|  |  |
| --- | --- |
| **Date** | 11th October 17 |
| **Product Name** | TRUKload |
| **Client** | Scott Provvidenza (TRUKload) |
| **Document Owner** | Samrat Biswas (UIPL) |

**1. Project Background & Summary**

**Goals, General Idea & Concept:** The proposed service aims to connect the milling contractors with the drivers & material consumers. The app will be a common meeting place for the users in the same industry to facilitate their communication & enable them to find others with a complementary requirement.

**Background and strategic fit:** In the United States, there are many asphalt roads that get deteriorated and need to be repaired. One option is to use a process calling “Milling” where a contractor who owns an asphalt milling machine will grind up the top layer of the road so they can add a new asphalt layer. Once completed the new layer of asphalt will be at the same height as the old layer of asphalt meeting the height of the existing curbs and manhole covers. This asphalt milling process creates a lot of asphalt millings which are like rocks or gravel. Currently it is very expensive to haul the millings away from the job site, and the asphalt millings a not worth much money but there are many people who want them. During the milling process the goal is to not have the milling machine stop so this process requires many dump trucks sometimes as many as 10 trucks.

Typically, the contractor will have their own dump trucks but often the contractor will hire additional dump truck drivers because they need more trucks or the project is too far away from the contractor’s office. We don’t expect the app to include any features for the contractor to negotiate the fee to pay the truck driver for their service. However, it would be helpful for the contractor to know which truck drivers are available near the milling job site, what kind of dump truck the driver has, and how much the driver typically charges (by the mile, by the load, or by the day) for their service.

Meanwhile, the app will need to help the contractor and truck driver locate a place close to the milling job site to dump the millings so the truck driver can quickly return to the milling job site. The trucking costs are very expensive so the shorter the distance a truck driver needs to drive to unload the millings is better since it will reduce the costs associated with milling project. Cutting trucking costs for a milling project will allow the contractor to cut their project costs. Then the contractor can bid lower on a milling project over his competitors. Now the contractor can win more milling projects by providing a lower bid to the project owner. Everyone saves money!

The goal of this mobile app is to connect Contractors, Truck Drivers, and People who want millings or other materials. We want to charge contractors, truck drivers, and people who want the millings an annual or monthly subscription fee for this service. We don’t want the app to handle any financial activity for the driver fee or cost for millings. This can all be negotiated between the people on their own.

***Key Points:***

1. We need early adopters (milling contractors, truck drivers, and people who want millings) so we would like to offer the users a free three-month trial. We would like to consider a coupon code. That can only be used once.
2. The app user will need to put in their credit card first before being able to use the coupon code.
3. Once the user has registered, they will need to select if they are a milling contractor, truck driver, or milling customer.
4. A milling contractor must have the ability to enter as many milling jobs sites as needed. Each job site will require a start and end date.
5. A milling contractor must have the ability to enter dump trucks.
6. A milling contractor must have the ability to locate available dump trucks or drivers in the area that may not be available for new a milling job site.
7. A milling contractor must have the ability to associate (Hire) a truck driver to milling project so they can easily track the truck resources, and communicate with them during the project.
8. A milling contractor must have the ability to enter a dump site for the millings.
9. A milling contractor must have the ability to easily see/manage all their job sites and truck drivers.
10. A truck driver must have the ability to add additional trucks.
11. A truck driver must have the ability to designate daily what area they are operating (mile radius by city/town/zip) and if they are available. Like Uber.
12. A truck driver must have the ability to change the types of material they are willing to haul on a daily basis.
13. A truck driver must have the ability to click a button to get driving directions to a job site or dump site.
14. A truck driver must have the ability to see milling projects in the future.
15. A truck driver must have the ability to see all the milling projects they are associated with.
16. A milling customer must have the ability to add/manage multiple dump sites.
17. A milling customer must have the ability to designate how many millings or other materials they need. (yards/tons/loads)
18. All users must be able to click a GPS button to auto populate the location of a milling job site, or milling dump site.
19. All users must have the ability to use push notification for communication on new milling projects, drivers needed, new dump sites, and daily communication.
20. All users must have access to a profile page to manage their settings.
21. All users must have the ability to hit the “Call Button” to make an outbound call rather than to see the number and need to cut and paste to easily dial to other person.
22. All users must be able to add 5-star ratings and reviews for milling contractors, truck drivers, and dump sites. These rating and reviews must be visible to all users.
23. All users must have the ability to filter results based on location, rating, fee, availability, and alphabetically.
24. The owner of the application needs a backend to include controls for managing Contractors, drivers, and customer accounts.
25. The owner of the application needs a backend to include the ability to review or block ratings.
26. The owner of the application needs a backend to include reporting system for views of a profile, and user activity like associated jobs.
27. All completed milling job sites will not be shown in the system but all future job sites will need to be shown as future rather than active. Green push pin for active, yellow for future.
28. The app must include help text that helps explain the process for using the app.

**UI Guidelines:**

The UI needs to be modern & easy to work with

The UI should have information represented in graphics

The UI should incorporate the icons to make the information visual, dynamic & pointed

Vertical, left & right-Side Setting Panel

The focus should be clean & modern look & feel with a pleasing UX

The balance of the colors & layouts needs to be such that the users can use the app for longer time without any visual strain while being playful/ dynamic

**Technology Stack**

* Back-End: PHP
* Database: MySQL
* Web Front-End: HTML5, CSS3, JavaScript
* Web Services: RESTFULL
* Mobile Apps: Native in iOS and Android

**2. DAR – Decision Analysis & Review**

We will have a DAR log for all the critical decisions taken. DAR helps in the selection of best alternative from two or more alternatives.

**3. Assumptions, Constraints & Critical Dependencies**

| **SN** | **Assumptions/Constraints/Dependencies** | **Impact on Project Objectives** |
| --- | --- | --- |
| 1 | The product is only to be used in the United States |  |
| 2 | The client will provide hosting for the website and mobile app needs |  |
| 3 | We will host the service on AWS |  |
| 4 |  |  |

Need to populate the Assumptions. TBD

**4. Resource Plan**

Organizational planning involves identifying, documenting and assigning project roles, responsibilities and reporting relationships.  Roles, responsibilities and reporting relationships may be assigned to individuals or groups.  The individuals may be part of the organization performing the project or they may be external to it.

4.1 Team Details

| **#** | **Name** | **Role** | **Email ID** | **Skype ID** |
| --- | --- | --- | --- | --- |
| 1 | Anthony Pilato / Steve Carozza | Product Owner | anthony@centralroadways.com and steve@bedfordpaving.com | N/A |
| 2 | Scott Provvidenza | Project Manager | Scott.provvidenza@rochester.rr.com | Poiklk |
| 3 |  | Scrum Master |  |  |
| 4 | Samrat Biswas | Business Analyst |  |  |
| 5 |  | Project Coordinator |  |  |
| 6 |  | Developer |  |  |
| 7 |  | Designer |  |  |
| 8 | Samrat Biswas | Architect |  |  |
| 9 |  | Tester/ OA |  |  |

TBD

4.2 Stakeholder Involvement Plan

Stakeholder Involvement Plan includes the processes required to ensure timely and appropriate generation, collection, dissemination, storage and ultimate disposition of project information. It provides the critical links among people and information that are necessary for success. The following table describes the project communications plan.

| **Meeting Name** | **Frequency** | **Purpose** | **Stakeholders** |
| --- | --- | --- | --- |
| Project Kick-off Meeting | Beginning of Project |  To Obtain Commitment from Project Participants | PO, BA, PM, Scrum Team |
| Sprint Planning Meeting |  Beginning of Sprint | To Plan the Sprint tasks | PM, Scrum Team |
| Sprint Review Meeting | Before End of Sprint | To review the Sprint output | PO, PM, Scrum Team |
| Sprint Retrospective | After End of the Sprint | To review how well the sprint is executed | PO, PM, Scrum Team |

4.3 Customer Details

TBD

4.4 Vendor Details

N/A

4.5 Project Organizational Chart

 TBD

4.6 Roles and Responsibilities

The following details the role and responsibilities assigned on this project.
Ensure that the responsibilities are identified for all the defined roles in the project organization chart above >

| **Role** | **Responsibility** | **Person Accountable** |
| --- | --- | --- |
| Product Owner | * Owns the Product or Product Vision and overall goals
* Represent customer & stakeholder requirements to the team and responds to the questions from the team
* Maintains the Product backlog & Communicate regularly with the team
* Writes the user stories & acceptance criteria
* Participates in sprint planning meetings and provides all the details required for the team
* Available to the team for any clarifications and queries
* Verifies the user stories delivered and provides acceptance criteria & Definition of Done (DOD)
 |  |
| Project Manager/Scrum Master | * Develop & Maintain Project Management Plan
* Ensure Sprint goals are met
* Participate in Sprint Planning Meetings
* Plan & Schedule Project activities
* Monitor & Control the Project Progress on periodic basis
* Identify & Manage Issues
* Identify and Manage risks
* Manage Changes to the requirements
* Collect & Analyze Metrics
 |  |
| Business Analysts | * Collect, Analyze & Review Requirements
* Maintain Traceability of Requirements
* Coordinate with client to clarify issues in requirement
* Manage changes to the requirements
 |  |
| Application Designer/Architect | * Analyze requirements
* Responsible for Overall Application architecture
* Explore design alternatives
* Develop Designs
* Review Design specifications
 |  |
| Developer | * Analyze Designs
* Implement the Design through coding
* Conduct Code Reviews & Track the defects to closure
* Conduct Unit Testing & Track the defects to closure
 |  |
| Tester/ QA | * Prepare Test Plan
* Develop Test cases
* Review Test Cases & Track issues to closure
* Perform Testing & Track the defects to closure
 |  |

4.7 Project Training Plan

| **SN** | **Training Name** | **No of Participants** | **Training Date** |
| --- | --- | --- | --- |
| 1 | No training need identified yet |   |   |

**5. Project Scope**

The proposed mobile solution “**TrukLoads**” aims to be a platform which intends to connect 4 kinds of users, namely: Contractors, Drivers and Material Customers, as per their requirement/needs. The ROI of the proposed solution, would be from membership fees that would be charged from the users, for using this platform. The platform would allow the end users to get listed under all 4 types of categories. Unified Infotech proposes and complete end-to-end solution comprising of consultation, UI design, development, testing, maintenance and upgradation.

The System mainly consists of 5 Types of Users:

1. Product Admin
2. Contractor
3. Material Customer
4. Drivers
	1. Independent Drivers
	2. Associated Drivers – Associated with contractors

**The proposed components of the system are:**

1. **Web based admin back-end**
2. **Native iOS app**
3. **Native Android app**

**User stories** are short, simple descriptions of a feature told from the perspective of the person who desires the new capability, usually the product owner, a user or customer of the system. They typically follow a simple template:

As a < type of user >, I want < some goal > so that < some reason >.

**A. Web based admin back-end**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Title** | **I as a – Want to – So That (User Story)** | **Note** | **Test Cases** |
| 0.1 | Cross browser Compatibility | As the product owner, I want to be able to access the application/ service on all supported web browsers so that we can have access to it easily and browse the offered services independent of the browser it runs on. | The browser versions should be all the standard ones. | Website should be supported on all latest versions of browsers (list is non-exhaustive) - **(PASS)*** Firefox
* Safari
* **Chrome**
* Opera
* IE 10+
 |
| 0.2 | Responsive design & Cross device Compatibility | As the product owner, I want the website to be responsive in its design so that we can view the application on multiple screen sizes & device and have no problem with its legibility. |  | * The application should be responsive in design **(PASS)**
* It should render smoothly on different screen sizes (mobile, tabs, Desktop, Laptop, Larger monitors) **(PASS)**
* Header should be present on all pages, site-wide **(PASS)**
* The application should render the similar way in windows, Linux & Mac devices **(PASS)**
 |
| 1 | **Admin Profile and Settings Management** |  |  |  |
| 1.1 | Admin Login | As a admin, I want to be able to login to my account by providing correct credentials so that I can access the application backend perform my desired actions. | * The users must authenticate with their username & password
* The api calls must be validated with a valid access token
 | * The user can login using the correct credentials **(PASS)**
* The user can login without proper access token **(FAIL)**
 |
| 1.2 | Forget Password & username | As a admin, I want to be able to reset my password & get my username in case I have forgot my credentials. | * The admin will have to provide their registered email or mobile number to reset
* The admins will be able to reset only after they validate their email or mobile number via an OTP
 | * The admin is prompted to provide their registered email or mobile number to reset **(PASS)**
* The admins can reset only after they validate their email or mobile number **(PASS)**
* The admins can reset or get the username in case they forgot the credentials **(PASS)**
 |
| 1.3 | Admin Profile | As a admin want to be able to change my profile information as per my requirements. | * The admin should be able to edit their profile information
	+ First Name
	+ Last Name
	+ Status
	+ Gender
	+ Address
	+ Phone No
	+ Mobile No
	+ Image
 | * The admin can edit their profile information filling all the mandatory fields and with all valid data. **(PASS)**
* The admin can edit their profile information without filling all the mandatory fields and with all valid data. **(FAIL)**
 |
| 1.4 | Add Admin | As a admin, I want to be able to add admins into the admin panel so that the new users can be easily added to the system. | The new users can be added by other admins if they have sufficient privileges.Fields:* First Name
* Last Name
* Phone No
* Email
* Note
* User Name
* Password
* Confirm Password
* Set Admin privileges
 | * The admin can add new admin, filling up all the mandatory fields and with all valid data. **(PASS)**
* The admin can add new admin without filling up all the mandatory fields and with all valid data. **(FAIL)**
 |
| 1.5 | Admin Edit | As a admin, I want to be able to edit admins if I have sufficient access & privileges so that the admins can be edited as per business requirements. |  |  |
| 2 | **Account Management and Administration** |  |  |  |
|  | Accounts List | As a admin, I want to be able to view the list of all the registered accounts of the service so that I have access to all the accounts in a single page. |  | * On successful log in the admin can view the list of registered users. **(PASS)**
* Without successfully logged in the admin can view the list of registered users. **(FAIL)**
 |
|  | Account Details | As a admin, I want to be able to view the details of any account so that I can have complete information regarding accounts. | * The detailed page will have all the information related to accounts
* The page will have tabs to segregate information
* Tabs:
	+ General Information – All the information as provided in step 1 & 2 of registration
	+ Driver Preferences – The driver preferences
	+ Job Sites – List of Job sites created
	+ Dump Sites – List of dump sites created
	+ Payment Details – List of payments made
* Actions
	+ Suspend Account
 | * On successful log in the admin can view the details of any account. **(PASS)**
* Without successfully logged in the admin can view the user details of any account. **(FAIL)**
 |
| 3 | **Account Statistics, Performance and Metrics Data (Reports)** |  |  |  |
|  | Payment Report | As a admin, I want to be able to a payment report so that I can have a list of all the payments made. |  | * On successful log in the admin can view the payment report. **(PASS)**
* Without successful log in the admin can view the payment report. **(FAIL)**
 |
|  | Registration Report | As a admin, I want to be able to have a registration report so that I can have a list of the registrations into the system. |  | * On successful log in the admin can view the registration report. **(PASS)**
* Without successful log in the admin can view the payment report. **(FAIL)**
 |
|  | Expiring Accounts | As a admin, I want to be able to have an Expiring Accounts report so that I can quickly find the expiring accounts when I want. |  | * On successful log in the admin can view the expiring account report. **(PASS)**
* Without successful log in the admin can view the expiring account report. **(FAIL)**
 |
|  | Expired Accounts | As a admin, I want to be able to have an Expired Accounts report so that I can quickly find the expired accounts when I want. |  | * On successful log in the admin can view the expired account report. **(PASS)**
* Without successful log in the admin can view the expired account report. **(FAIL)**
 |
|  | Coupon Code Report | As a admin, I want to have a coupon code report so that I can view the summary level info regarding coupon codes.  |  | * On successful log in the admin can view the coupon code report. **(PASS)**
* Without successful log in the admin can view the expired coupon code report. **(FAIL)**
 |
|  | User Search Report | As a admin, I want to have a report that shows all the searches made by the users. |  | * On successful log in the admin can view the coupon code report. **(PASS)**
* Without successful log in the admin can view the expired user search report. **(FAIL)**
 |
|  | Associated Users Report | As a admin, I want to have a report that shows all the associated users. |  | * On successful log in the admin can view the coupon code report. **(PASS)**
* Without successful log in the admin can view the assoicated user search report. **(FAIL)**
 |
| 4 | **Coupon Code Management** |  |  |  |
|  | Add Coupon Code | As a admin, I want to be able to add coupon codes into the system so that the new coupon codes can be created. | * The admin will get a form to fill by which the coupon codes can be created
* Form Fields
	+ Coupon Name
	+ Description
	+ Coupon Code – Must be unique
	+ Expiry date
	+ Max Count
	+ Coupon Offer - Dropdown
		- Free for 1 month
		- Free for 2 months
		- Free for 3 months
		- Free for 4 months
		- Free for 5 months
		- Free for 6 months
 | * On successful log in the admin can add coupons, filling up all the mandatory fields with valid data. **(PASS)**
* On successful log in the admin can add coupons, without filling up all the mandatory fields with valid data. **(FAIL)**
* Without successful log in the admin can add coupons, filling up all the mandatory fields with valid data. **(FAIL)**
 |
|  | Edit Coupon Code | As a admin, I want to be able to edit the previously created coupon codes so that the coupon codes can be edited as per my requirements. |  | * On successful log in the admin can edit coupons, filling up all the mandatory fields with valid data. **(PASS)**
* On successful log in the admin can edit coupons, with out filling up all the mandatory fields with valid data. **(FAIL)**
* With out successful log in the admin can edit coupons, filling up all the mandatory fields with valid data. **(FAIL)**
 |
|  | Delete Coupon Code | As a admin, I want to be able to delete the coupon codes in case I need to so that the codes can be easily deleted. |  | * On successful log in the admin can delete coupons. **(PASS)**
* With out successful log in the admin can delete coupons. **(FAIL)**
 |
| 5 | **Review, Rating Management and Administration** |  |  |  |
|  | Review List | As a admin, I want to be able to have a list of all the reviews so that I can view & filter out all the unwanted reviews. | * The admin will be able to view the list of review provide by the users
* Review actions
	+ Disallow Review – This will hide the reviews from the service users
	+ Approve review - this will approve the review so that the service users can view them
 | * On successful log in the admin can have a list of all the reviews, to view & filter out all the unwanted reviews. The user has the option to approve or disallow review **(PASS)**
* Without successful log in the admin can have a list of all the reviews, to view & filter out all the unwanted reviews. **(FAIL)**
 |
| 6 | **Settings** |  |  |  |
|  | Review Settings | As a admin, I want to be able to have a setting related to the reviews so that we can change the review related settings. | * There must be a setting if the reviews must be approved from the admin before they are posted. If the setting is on then for each review the admin must be approving the review before they appear on the app
* There must be a setting, if a user can rate multiple times a job site/ dump site/ driver/ material customer
 | * On successful log in the admin can have a setting related to the reviews, to change the review related settings. **(PASS)**
* Without successful log in the admin can have a setting related to the reviews, to change the review related settings. **(FAIL)**
 |
|  | Membership Fees Management | As a admin, I want to be able to setup the fees as I want so that I can better manage the fees. | * The admin will be able to manage the fees for the service
* Fields
	+ Monthly Fees
	+ Yearly Fees
 | * On successful log in the admin can set up the fees in order to better manage it.**(PASS)**
 |
|  | Posting Settings | As a admin, I want to be able to manage the posting settings so that the posting limitations can be managed. | * There will be multiple settings which will be represented as toggles
	+ Max no of Job Sites
	+ Radius Limit for Job Sites creation (Form the base Zip Code)
	+ Max no of dump Sites
	+ Radius Limit for dump Sites creation (Form the base Zip Code)
 | * On successful log in the admin can manage the posting settings so that the posting limitations can be managed.**(PASS)**
 |
|  | Associated Driver settings | As a admin, I want to be able to manage the Associated driver settings. | * There will be the following settings –
	+ Max no of associated drivers
 | * On successful log in the admin can manage the Associated driver settings.**(PASS)**
 |
|  | Search Settings | As a admin, I want to be able to manage the search settings so that the search logics can be managed. | * What are the settings required if any?
 | * On successful log in the admin can manage the search settings so that the search logics can be managed.**(PASS)**
 |
| 7 | **Leads** | As a admin, I want to be able to have a list of all the leads as submitted from the apps so that I can access the leads gathered. | * Leads are the leads that are provided by the app users
* The leads provided will be listed in this screen
* The users will be able to set lead status
	+ Statuses
		- Open
		- In Progress
		- Closed
* The user will be able to delete leads
 | * On successful log in the admin have a list of all the leads as submitted from the apps to access the leads gathered. The users able to change the status of the leads.**(PASS)**
 |

**B. Native Mobile App - Android**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Title** | **I as a – Want to – So That (User Story)** | **Note** | **Test Cases** |
| 0.1 | Cross Device Compatibility | As the product owner, I want to be able to access the application/ service on all supported Android and IOS Devices so that we can have access to it easily. |  | The application is supported on following android versions:* Jellybean **(PASS)**
* KitKat **(PASS)**
* Lollipop **(PASS)**
* Marshmallow **(PASS)**
* Nougat **(PASS)**
 |
| 1 | **Splash Screen** | As the product owner, I want the app to have a splash screen showing while the app is launching so that the splash is visible while the app is loading. | The splash screen should be attractive & nicely designed. | The application has a splash screen showing while the app is launching so that the splash is visible while the app is loading. **(PASS)** |
| 2 | **User Registration** |  |  |  |
| 2.1 | New Account Setup | As the product owner, I want the new users to be able to register on their own with the service so that they can start using the service. | * After installing the app, the user should be prompted to setup a new account or use an existing one
* If the user chooses to setup a new account then the user will be taken to the new account setup screen
* The new account setup will have a multistep form that the users will use to create their account. The users can fill each of the steps & continue to the next step after the form validation is successful
	+ **Step1 – General Details**
		- First Name\*
		- Last Name\*
		- Address\*
		- City\*
		- State\*
		- Zip Code\*
		- Phone No
		- Mobile No Primary\*
		- Mobile No Secondary
		- Email Address\*
		- DOB
		- Profile Image
		- Company? – Toggle, default value is no
			* Org Name\*
			* Strength
		- User Type – Radio button
			* Driver
			* Contractor
			* Material Customer
	+ **Step2 – Payment Details**
		- The Drivers only will be asked if they have a Master Reference code if their zipcode is within 50 mile of the contractor’s zipcode
			* The user can enter a Master Reference code to register
			* This code will let the user bypass the payment step & the account created will be under an existing paid app account or the code will provide a discount in price
		- Discount Code

-Or-* + - Select Membership Plans\*
			* Monthly
			* Yearly
		- Coupon code (rf. 4.1)
		- Card Details Fields\*
			* Name
			* Card No
			* Zip Code
			* Expiration Date
			* CVV/ Security Code
		- billing account address information
			* street number
			* street name, city
			* state
			* zip
		- A user must validate their credit card to continue
	+ **Step 3 – Driver Info & Preferences** – This is for the drivers only
		- The drivers must fill this step so that their preferences can be set
		- Form Fields
			* Serve Area Zip Code
			* preferred range (in miles)
			* Load Rate $ (Fee per load)
			* Hourly Rate $\* (Fee per hour)
			* Fee per ton $
			* Minimum load fee $
			* Cancelation fee $
			* Truck Make\*
			* Truck Model\*
			* Truck Year
			* Truck Capacity\*
			* Truck Image - truck driver will be able to take a picture of his truck to be added to his profile
			* Accepted Materials – The users will have to specify the type of materials the dump site is interested in by using horizontal slider buttons
				+ Asphalt
				+ Concrete
				+ Clean Fill
				+ Millings
				+ Stone
				+ Top Soil
			* Driver Preference Note
			* Keep me always available?
	+ After all the details are filled the user must check the accept terms & conditions to finalize
 | * After launching the application is prompting to:

 1. Create a new user. 2. Use an existing account.* On choosing the new user option the user is redirected to the registration form with the fields mentioned in the note section.
* On successful filling, up the for the form the user is redirected to the payment details form.
*
 |
| 2.2 | New account confirmation | As the product owner, I want the user to validate themselves before they start to use the service so that we can have a security measure. | * The new user will get an email & SMS on new signup
* The email will have an HTML template properly designed
* The user must validate the email or mobile OTP before they can start to use the service through mobile apps
* In the app if the confirmation is not done for the account then after the splash Screen the user will be prompted to validate their account using the validate screen
 | * New user is receiving an email and SMS.**(PASS)**
* The user can validate using the email and mobile OTP.**(PASS)**
* In case the confirmation is not done, then user is redirected to the validate screen.**(PASS)**
 |
| 2.3 |  |  |  |  |
| 3 | **Online Payment Facility** |  |  |  |
| 4 | **Coupon Code functional integration** |  | We have a backend option to create the coupon codes. You can distribute the codes & the codes will be used as per the logics set. |  |
| 4.1 | Coupon Code Apply | As the product owner, I want my users to be able to apply coupon code during payment to get free trial or discounts so that the users can get attracted to try the service for free. | * The users will have to enter their credit card details & get it validated before they can use the coupon codes
* The Users will get a text box to enter the coupon code
* On entering the coupon code, the entered code will be checked. The user will be notified on the status of the coupon
	+ The code length & char set defined
	+ Valid Coupon?
	+ Expired Coupon?
	+ Used coupon?
	+ Valid coupon?
* The coupon field will become green & show the coupon offer. However, if the coupon is invalid then the field will become red & the issues will be shown to the user
 | * User is prompted to enter credit card detail **(PASS)**
* In case of a valid credit card, user is getting a text box to enter the coupon code and get the status of the coupon listed under note **(PASS)**
* A valid coupon code turns green and an invalid one turns red **(PASS)**
 |
| 5 | **Login/ Logout** |  |  |  |
| 5.1 | User Login | As a user, I want to be login to the application on my mobile device so that I can use the service. | * After installing the app or opening the app (when there is no existing login), the user should be prompted to setup a new account or use an existing one using the login screen
* If the user provides the correct set of credentials then the user will be able to login to the app
* On login, the app will prompt the user to enable the GPS of the device so that the app can use the GPS for its functionality
 | * After launching the application is prompting to:

 1. Create a new user. 2. Use an existing account **(PASS)*** On choosing the existing account option the user is redirected to the log in form **(PASS)**
* On filling up the valid data, the user will be logged in.
* On login, the user is prompted to enable the GPS of the device **(PASS)**
 |
| 5.2 | Forgot Password/ Reset Password | As a user, I want to be able to change my password if I want or if I have lost my password so that the passwords can be changed if any such requirement is there. | The user, if in case needs to reset the password can use the reset password screen to reset the password to their account.* This screen will ask the user for their registered mobile number in case they have forgotten their password
* Once the user provides their valid mobile no the app will accept the email & ask the user to check their email & SMS to reset the password
* The email & SMS provided will get an email to reset the password. This email will have a code
* In the app, the user must use this code to reset the password
* In case the user remembers the existing password, they can use the existing password to reset the password
 | * The screen is asking the user for registered phone number and accepting email id **(PASS)**
* The email and the SMS is having a code to reset the password. **(PASS)**
* The code is used to reset the password. **(PASS)**
 |
| 5.3 | User Logout | As a user, I want to be able to logout of my account as per my requirement. |  | User has the provision to reset the password of his account. **(PASS)** |
| 6 | **Profile Management** |  |  |  |
|  |  |  |  |  |
| 7 | **Menu** | As the product owner, I want the app to have a menu so that all the relevant options are available there for accessibility of the users. | The menu structure/ Breakdown:1. Job Sites
2. Dump Sites
3. Drivers
4. Associated users
5. My Chats
6. Settings
7. Performance Stats
 | The application is having all the relevant options for accessibility of the users. **(PASS)**  |
| 8 | **Job Sites** |  |  |  |
| 8.1 | Job Site Listing Screen | As a user whenever I click on the job site link on the menu I should land on the Job Site listing page so the job sites are visible to me for my reference. | The relevant Job sites will be listed on this screen. The users will get the option to filter & sort the sites as per their requirements. * The client also wants to show all milling project sites for all contractors even the project sites that are not his on the project site page. It would be great to show the project push pins in green if they are the contractor's active projects, Red if they are another contractors project, and grey if they are future projects.
* All milling projects sites should show on the drivers’ project page and they should be green if they are assigned (hired) to the project and red if they are not and grey if they are future projects.
* A milling project should show on the material customer project page and they should be either green for active and grey for future (no red push pins are needed)
* The listing screen will have 2 sections
	+ Map Section –
		- The map section will have the map of the area based on the radius of 25 miles of the registered account city/ zip code
		- The map will have push pins to highlight the individual job sites
		- The push pins will have different colors based on the status of the job site
		- The job sites belonging to the user will be highlighted in the push pins on the map
		- The push pins when tapped will redirect the user to the details page
		- If the user is a driver & assigned to the project, then those projects will be highlighted
	+ Listing section - The listings will show the following info for each job site. The listing can be either tabular or card based depending on the design
		- Job Site Name
		- Average Rating
		- Distance from user
		- Area/ Location
		- Status
			* Active – My Job site
			* Active – Others Job siet
			* Completed - We don’t need to show completed jobs
			* Upcoming
		- Start & End Dates
		- Job Site Owner Name – User name or the org name if any
		- Requires drivers?
* Filters - The filter and sort should be initially based on the radius of 25 miles of the registered account city. The user then should have an option to change the city and radius. To locate jobs in different areas. The filter & sort will work on both the map & listing section simultaneously
	+ Status
	+ Zip Code
	+ Radius in mile from the user
	+ Search by job site name
	+ My Job sites – Only if the user has a job site
* Sort - The filter & sort will work on both the map & listing section simultaneously
	+ Sort Alphabetically based on Site Name
	+ Sort by Start Date
	+ Sort by rating
	+ Sort by nearest
* Actions - Actions are the buttons which when tapped will perform certain action
	+ Info - For each of the Job sites the users can go into the details page - Job site details screen
	+ Call – Will call using the default call app
	+ Message – Will send an in-app message to the job site owner. specific user chat window screen will be launched
* For the Contractors type of the users there will be a floating circular button on the lower right corner of the screen. This button is for creating new sites, on hovering on the button 2 more button will slide up one for creating job site & another for dump site. The user will use the Create Job Site Screen to create new job sites
 | * The relevant job sites are listed on the job site page**(PASS)**
* The contractor’s active projects are displayed in green push pin other contractors projects are listed in red and the failed projects are displayed in gray.
* All milling projects sites are showing on the drivers project page and they are green if they are assigned (hired) to the project and red if they are not and gray if they are future projects.
* Milling projects are showing on the material customer project page and they are either green for active and gray for future.
* Map section:

 1. The map section is based on an area of 25 miles of registered account city/pin code. 2. The map is having pushpins. 3. Pushpins are of different colors based on the status of the status of the job site. 4. The job sites belonging to the user are highlighted in the push pins on the map. 5. The push pins when tapped are redirecting the user to the details page. 6. If the user is a driver & assigned to the project, then those projects are highlighted.* Listing section: The listing section is showing the information listed in the note section.
* Filters: The filter and sort are initially based on the radius of 25 miles of the registered account city. The user is having an option to change the city and radius.
* Sort - The filter & sort are working on both the map & listing section simultaneously based on the parameters mentioned in the note section.
* Actions - Actions are the buttons which when tapped are performing certain action
	+ Info - For each of the Job sites the users are going into the details page - Job site details screen
	+ Call –Is using the default call app
	+ Message – Is sending an in-app message to the job site owner. specific user chat window screen will be launched. **(PASS)**

   |
| 8.2 | Job site details screen | As a user, I want to be able to view the details of any particular job site so that I can have a better understanding of the site & can get more info on the particular site. | The details screen for the Job sites will have all the information relating to the Job Site.* The Screen will have 2 sections, the top map section & the tab section
* The screen will have Tabs along with other info. The tabs are as followings
	+ Information – This tab will have all the information relating to the Job Sites
	+ Reviews – This section will list all the rating & reviews posted by the user
		- Rate Job Site – The users will get the option to rate the job site. If a user chooses to do so then the user will get a star rating to mark & a review note field
		- On successfully rating the jobsite the user will be thanked by the app
		- The rating will be governed by the rating & review setting as set by the admin
	+ Directions – This tab will have the map & the directions
		- The map will also show the location of the user along with the location of the site
		- The user can choose to open the location in google map or get the google navigation for the location
		- The users will also get the address & the direction note
	+ Drivers – This tab will have all related to the assigned/ hired drivers listed
		- If 10 drivers are needed & there are 2 drivers the remaining 8 will have a placeholder with the ‘driver needed’ text highlighted
		- There will be an option to send a broadcast message to all the drivers associated with the site. This will come as a notification & push
		- Following details of the driver will be visible
			* Name
			* Average Rating
			* Distance
			* Fee
			* Actions - Actions are the buttons which when tapped will perform certain action
				+ Remove – This will remove the driver from the job site
				+ Info – Will take to the driver details page
				+ Call – Will call the driver from the default phone app
				+ Text – Will be taken to the default messaging app with the no of the driver
	+ Contact – This section will have all the contact details of the Job site. The users can click on the contacts & the default apps will be launched to contact the job site owner
		- Phone No
		- Mobile 1
		- Mobile 2
		- Email
		- Website
* If the user is the one who have created the Job Site then the user will get option to edit the Job Site
	+ The user can change the details provided during the creation of the Job Site
	+ Close/ Open – The user will get option to toggle between open & closed
		- For a site to remain open the start date must be older than sys date
		- For the site to remain open the end date must be greater than the sys date
		- If the end date is passed the status will automatically become closed. The status will change the end date is changed
		- For all sites, yet to start the status will be upcoming
 | * The details tab section are as follows:

 1. Information – This tab is having all the information relating to the Job Sites. **(PASS)** 2. This section is listing all the rating & reviews posted by the user* + - Rate Job Site – The users are getting the option to rate the job site. If a user chooses to do so then the user is getting a star rating to mark & a review note field
		- On successfully rating the jobsite the user is thanked by the app
		- The rating is governed by the rating & review setting as set by the admin.**(PASS)**
	+ Directions – This tab will is having the map & the direction
		- The map is showing the location of the user along with the location of the site
		- The user can choose to open the location in google map or get the google navigation for the location
		- The users are getting the address & the direction note. **(PASS)**
	+ Drivers- This tab is having all related to the assigned/hired drivers listed
		- There is an option to send a broadcast message to all the drivers associated with the site. This will come as a notification & push
		- Details of the driver are displayed here, which is mentioned in the note section. **(PASS)**
	+ Contact – This section is having all the contact details of the Job site as mentioned in the note section. **(PASS)**
* If the user is the one who have created the Job Site then the user is getting option to edit the Job Site
	+ The user can change the details provided during the creation of the Job Site
	+ Close/ Open – The user is getting an option to toggle between open & closed**(PASS)**
 |
| 8.2 | Create Job Site Screen | As a Contractor site owner type user I want to be able to add new job sites as per my requirements so that I can list my Job sites to the service for other users to find. | The contractors can use this screen to create new Job Sites. * On launching this screen, the app will check if the user has the posting credit left
	+ If the credit is not there the info will be shown & the redirected back to the Contact Us page
	+ If the user has credit then the create job site form will appear
* Form Fields:
	+ Site Name\*
	+ Description
	+ Street\* - The users will be able to get the address automatically by taping a get address icon using the GPS
	+ City\*
	+ State\*
	+ Zip Code\* – Need to be within the circle radius of their base zip code as per the admin settings. The zip code must be within the radius r from the base zip code. r is defined by the admin
	+ Direction Note
	+ Phone No\*
	+ Mobile No 1
	+ Mobile No 2
	+ Email
	+ Website
	+ Project Start Date\* – Date picker
	+ Project End Date\* – Date picker
	+ Drivers Needed? – default value is yes
	+ No of drivers needed
	+ Driver instructions
	+ Google Map – The address specified must be shown in a map for the user to verify
	+ Site Image – The job site owner will have the ability to snap a picture with cell phone and upload
	+ Agree to terms & conditions
 | * On launching this screen, the app is checking if the user has the posting credit left
	+ If the credit is not there the info will be shown & the redirected back to the Contact Us page
	+ If the user has credit then the create job site form will appear**(PASS)**
* Form Fields:

 Same as the fields mentioned in the notes page.**(PASS)** |
|  | New Job site creation notification. | As a user I want to get a notification whenever there is a new Jobsite in a radius of 25 miles from my zip code that is created by any user so that I can get the details of the latest job sites. | * The message will be sent via SMS & app Push
 | The message is sent via SMS & app Push**(PASS)** |
| 9 | **Dump Sites** |  |  |  |
| 9.1 | Dump Site Listing Screen | As a user whenever I click on the dump site link on the menu I should land on the dump Site listing page so the dump sites are visible to me for my reference. | The relevant dump sites will be listed on this screen. The users will get the option to filter & sort the sites as per their requirements.* The listing screen will have 2 sections
	+ Map Section –
		- The map section will have the map of the area based on the radius of 25 miles of the registered account city/ zip code
		- The map will have push pins to highlight the individual dump sites
		- The push pins will have different colors based on the status of the dump site
		- The push pins when tapped will redirect the user to the details page of the dump site
	+ Listing Section - The listings will show the following info. The listing can be either tabular or card based depending on the design
		- Dump Site Name
		- Average Rating
		- Distance from user
		- Area/ Location
		- Status
			* Available
			* Unavailable
		- Material Accepted
		- Open Now?
		- Dump Site Owner Name – User name or the org name if any
* Filters - The filter and sort should be initially based on the radius of 25 miles of the registered account city. The user then should have an option to change the city and radius. To locate jobs in different areas. The filter & sort will work on both the map & listing section simultaneously
	+ Status
	+ Zip Code
	+ Radius in mile from the user
	+ Search by dump site name
	+ My Dump sites – Only if the user has Dump sites
	+ Open now? - Checkbox
	+ Materials Accepted - Dropdown
* Sort - The filter & sort will work on both the map & listing section simultaneously
	+ Sort Alphabetically based on Site Name
	+ Sort by freshness
	+ Sort by rating
	+ Sort by nearest
* Actions - Actions are the buttons which when tapped will perform certain action
	+ Info - For each of the dump sites the users can go into the details page - Job site details screen
	+ Call – Will call the dump site owner using the default call app
	+ Message – Will send an in-app message to the dump site owner. specific user chat window screen will be launched
* For the Job/ Dump site owner type of the users there will be a floating circular button on the lower right corner of the screen. This button is for creating new sites, on hovering on the button 2 more button will slide up one for creating job site & another for dump site. The user will use the Create Dump Site Screen to create new dump sites
 | * The listing screen is having 2 sections
	+ Map Section –
		- The map section is having the map of the area based on the radius of 25 miles of the registered account city/ zip code
		- The maps are having push pins to highlight the individual dump sites
		- The push pins are having different colors based on the status of the dump site
		- The push pins when tapped redirects to the user to the details page of the dump site
		- Listing Section - The listings is showing the information mentioned in the notes section. **(PASS)**
* Filters - The filter and sort are initially based on the radius of 25 miles of the registered account city. The user have an option to change the city and radius. To locate jobs in different areas. The filter & sort are working on both the map & listing section simultaneously**(PASS)**
* Sort - The filter & sort is working on both the map & listing section simultaneously**(PASS)**
* Actions - Actions are the buttons which are performing certain action
	+ Info - For each of the dump sites the users can go into the details page - Job site details screen
	+ Call – Is calling the dump site owner using the default call app
	+ Message – Is sending an in-app message to the dump site owner. specific user chat window screen will be launched **(PASS)**
* For the Job/ Dump site owner type of the users there is a floating circular button on the lower right corner of the screen. This button is for creating new sites, on hovering on the button 2 more button will slide up one for creating job site & another for dump site. The is using the Create Dump Site Screen to create new dump sites **(PASS)**
 |
| 9.2 | Dump site details screen | As a user, I want to be able to view the details of any particular dump site so that I can have a better understanding of the site & can get more info on the particular site. | The details screen for the dump sites will have all the information relating to the dump Site.* The Screen will have 2 sections, the top map section & the tab section
* The screen will have Tabs along with other info. The tabs are as followings
	+ Information – This tab will have all the information relating to the dump Sites
	+ Reviews – This section will list all the rating & reviews posted by the user
		- Rate dump Site – The users will get the option to rate the dump site. If a user chooses to do so then the user will get a star rating to mark & a review note field
		- On successfully rating the dump site the user will be thanked by the app
		- The rating will be governed by the rating & review setting as set by the admin
	+ Directions – This tab will have the map & the directions
		- The map will also show the location of the user along with the location of the site
		- The user can choose to open the location in google map or get the google navigation for the location
		- The users will also get the address & the direction note
	+ Contact – This section will have all the contact details of the dump site. The users can click on the contacts & the default apps will be launched to contact the dump site owner
		- Phone No
		- Mobile 1
		- Mobile 2
		- Email
		- Website
* If the user is the one who have created the dump Site then the user will get option to edit the dump Site
	+ The user can change the details provided during the creation of the dump Site
	+ Available/ Unavailable – The user will get option to toggle between available & unavailable. Marking a dump site unavailable will mean that the dump site no longer requires any material
	+ Close the site permanently
 | The details screen for the dump sites have all the information relating to the dump Site.* It is having 2 sections, the top map section & the tab section
* The screen have Tabs along with other info. The tabs are as followings
	+ Information – This tab will have all the information relating to the dump Sites
	+ Reviews – This section will list all the rating & reviews posted by the user
		- Rate dump Site – The users have the option to rate the dump site. If a user chooses to do so then the user will get a star rating to mark & a review note field
		- On successfully rating the dump site the user will be thanked by the app
		- The rating is governed by the rating & review setting as set by the admin
	+ Directions – This tab is having the map & the directions
		- The map is showing the location of the user along with the location of the site
		- The user can choose to open the location in google map or get the google navigation for the location
	+ Contact – This section have all the contact details of the dump site. The users can click on the contacts & the default apps will be launched to contact the dump site owner
		- Phone No
		- Mobile 1
		- Mobile 2
		- Email
		- Website**(PASS)**
* If the user is the one who have created the dump Site then the user is getting an option to edit the dump Site
	+ The user can change the details provided during the creation of the dump Site
	+ Available/ Unavailable – The user is getting an option to toggle between available & unavailable. Marking a dump site unavailable will mean that the dump site no longer requires any material

Close the site permanently**(PASS)** |
| 9.3 | Create Dump Site Screen | As a Contractor or Material Customer user I want to be able to add new Dump sites as per my requirements so that I can list my Job sites to the service for other users to find. | The users can use this screen to create new Dump Sites. * On launching this screen, the app will check if the user has the posting credit left
	+ If the credit is not there the info will be shown & the redirected back to the Contact Us page for the user to contact the admin for more credits
	+ If the user has credit then the create job site form will appear
* Form Fields:
	+ Site Name\*
	+ Description
	+ Street\*
	+ City\*
	+ State\*
	+ Zip Code\* – Need to be within the circle radius of their base zip code as per the admin settings. The zip code must be within the radius r from the base zip code. r is defined by the admin. They should receive a message screen that indicates that they are trying to add a project outside of the allowed area based on the backed settings
	+ Direction Note
	+ Phone No\*
	+ Mobile No 1
	+ Mobile No 2
	+ Email
	+ Website
	+ Accepted Materials – The users will have to specify the type of materials the dump site is interested in by using horizontal slider buttons
		- Asphalt
		- Concrete
		- Clean Fill
		- Millings
		- Stone
		- Top Soil
	+ Hours of Operation – The user will need to specify the hours of operation of the dump site
		- The user can check 24\*7 or can specify the open & close time for each day of the week
	+ Driver instructions
	+ Quantity Needed
	+ Call in advance? – Checkbox
	+ Dump Location
	+ Dump location Image - The material customer (Dump Site) should have the ability to take a picture and add it to their profile showing where they want the material dumped
	+ Google Map – The address specified must be shown in a map for the user to verify
	+ Site Image
	+ Agree to terms & conditions
 | * On launching this screen, the app is checking if the user has the posting credit left
	+ If the credit is not there the info will be shown & the redirected back to the Contact Us page for the user to contact the admin for more credits
	+ If the user has credit then the create job site form will appear.
	+ Forms fields are same as the fields in the note section.**(PASS)**
 |
|  | New Dump site creation notification. | As a user I want to get a notification whenever there is a new dump site in a radius of 25 miles from my zip code that is created by any user so that I can get the details of the latest dump sites. | The message will be sent via SMS & app Push |  |
| 10 | **Drivers** |  |  |  |
| 9.1 | Drivers Listing Screen | As a user whenever I click on the Drivers link on the menu I should land on the Drivers listing page so the Drivers are visible to me for my reference. | The relevant Drivers will be listed on this screen. The users will get the option to filter & sort the sites as per their requirements.* The listings will show the following info. The listing can be either tabular or card based depending on the design
	+ Drivers Name
	+ Average Rating
	+ Distance from user
	+ Area/ Location
	+ Rate – This will only be available to the Contractors & the Material Customers
	+ Status
		- Available
		- Not Available
	+ Material Accepted
	+ Open Now?
* Filters
	+ Active Drivers?
	+ Zip Code
	+ Radius in mile from the user
	+ Search by Drivers name
	+ My Associated Drivers – Only if the user has Dump sites
	+ Materials Accepted - Dropdown (Multiselect)
* Sort
	+ Sort Alphabetically based on Site Name
	+ Sort by rating (High to low)
	+ Sort by nearest
	+ Sort by Fee (Low to high)
* Actions – For each of the Drivers, Actions are the buttons which when tapped will perform certain action
	+ Info - the users can go into the details page - Drivers details screen
	+ Call – Will call the driver from the default phone app
	+ Text – Will be taken to the default messaging app with the no of the driver
	+ Message – Will leave an in-app chat message within the app
 | * The relevant drivers are listed on this screen with the all the information listed in the note section.**(PASS)**
* There is an option to to sort and filter with all the options listed in the note section.**(PASS)**
* Actions – For each of the Drivers, Actions are the buttons which when tapped, perform certain action
	+ Info - the users can go into the details page - Drivers details screen
	+ Call – Will call the driver from the default phone app
	+ Text – Will be taken to the default messaging app with the no of the driver
* Message – Will leave an in-app chat message within the app**(PASS)**
 |
| 9.2 | Drivers details screen | As a user, I want to be able to view the details of any particular Drivers so that I can have a better understanding of the site & can get more info on the particular site. | The details screen for the Drivers will have all the information relating to the Drivers.* The Screen will have 2 sections, the top section & the tab section
* Map section - Map with driver pushpins based on their registered zip code
* The screen will have Tabs along with other info. The tabs are as followings
	+ Information – This tab will have all the information relating to the Drivers
	+ Reviews – This section will list all the rating & reviews posted by the user
		- Rate Drivers – The users will get the option to rate the Drivers. If a user chooses to do so then the user will get a star rating to mark & a review note field
		- On successfully rating the Drivers the user will be thanked by the app
		- The rating will be governed by the rating & review setting as set by the admin
	+ Contact – This section will have all the contact details of the dump site. The users can click on the contacts & the default apps will be launched to contact the dump site owner
		- Phone No
		- Mobile 1
		- Mobile 2
		- Email
		- Website
 | * The detail screen of the driver section have all information relating to the drivers.**(PASS)**
* There are 2 sections, the top section& the tab section.**(PASS)**
* Map section - Map with driver pushpins based on their registered zip code.**(PASS)**
* The screen have Tabs along with other info. The tabs are as followings
	+ Information – This tab is having all the information relating to the Drivers
	+ Reviews – This section list all the rating & reviews posted by the user
		- Rate Drivers – The users are getting the option to rate the Drivers. If a user chooses to do so then the user will get a star rating to mark & a review note field
		- On successfully rating the Drivers the user will be thanked by the app
		- The rating will be governed by the rating & review setting as set by the admin
	+ Contact – This section have all the contact details of the dump site. The users can click on the contacts & the default apps will be launched to contact the dump site owner
		- Phone No
		- Mobile 1
		- Mobile 2
		- Email

Website**(PASS)** |
| 11 | **Dashboard** |  |  |  |
|  | Job/ Dump Site Owner Dashboard | As a Job/ Dump Site Owner type of user I want a specific dashboard for me so that I can get into this page once I launch the app. | * Key Metrics
	+ No of Active Job sites
	+ My Job Sites
	+ No of Active Dump Sites
	+ My Dump Sites
 | * There is a dashboard to navigate into different pages.**(PASS)**
 |
|  | Driver Dashboard | As a Driver type of user, I want a specific dashboard for me so that I can get into this page once I launch the app. | * Key Metrics
	+ No of Active Job sites
	+ No of Active Dump Sites
* My Job sites
* Driver Availability: the driver will be able to set their availability on or off using a toggle
	+ This availability based on the diver setting will become unavailable every day
	+ The driver will have to toggle back to make themselves available. They also need to be able to set the area and radius they are willing to accept loads as well as the material that day they are willing to haul
	+ If the driver become unavailable for more than 24 hours then they will get a push notification, reminding them to make themselves available to become visible to others
 | * My Job sites
* Driver Availability: the drivers a can set their availability on or off using a toggle
	+ This availability based on the diver setting become unavailable every day
	+ The drivers have to toggle back to make themselves available. They also need to be able to set the area and radius they are willing to accept loads as well as the material that day they are willing to haul

If the driver become unavailable for more than 24 hours then they are getting a push notification, reminding them to make themselves available to become visible to others **(PASS)** |
| 12 | **Associated Users** |  |  |  |
| 12.1 | Associated Users | As a user, I want to view all my associated users so that I can find all the users that have used the same master reference code. | * The Associated Users Screen will list all the associated users
* The list will have all the users that have used the same master reference code & also the base user (Will be highlighted)
* For each entity on the list if the user taps then they will be redirected to the details page of the entity
 | * The Associated Users Screen is listing all the associated users **(PASS)**
* The list has all the users that have used the same master reference code & also the base user (Will be highlighted) **(PASS)**

For each entity on the list if the user taps then they are redirected to the details page of the entity**(PASS)** |
|  | **User Action Analytics** |  | * Calls made
* Appeared in search results
* Details viewed
* No of Hires
* No of Jobs Posted
* No of Dump Site posted
 |  |
| 8 | **Google Map Integration** | As the product owner, I want to have a google map integration for the services so that we can use google maps for showing the locations & ranges. | * We need to have the google map APIs set to achieve the map related functionalities
 | * There is a google map API for map related functionalities. **(PASS)**
 |
| 12 | **Chat & Messaging** | As the product owner, I want to have a chat & messaging functionality within the service so that the users can communicates among themselves. | * We need to use Node & Mongo for this feature
* The chat or messaging can be done among the users for communications
* The users will be able to chat in Realtime with other users
* If any user receives a message then they are in the foreground or the device is unavailable then they will get a push notification of the same
	+ On clicking on the push, the user will go to the chat screen with that specific user
* On clicking on the ‘My Chats’ option on the menu the user will go to all chat list screen
	+ This list will have all the chats with other users listed
	+ The user can tap on any one & got to that specific user chat window screen & continue to chat
 | There is chat and messaging functionality within the service so that the users can communicate among themselves. Q q q **(PASS)** |
| 13 | **Financial and Performance Stats and History** |  | * When signed
* Total amount paid
* List of payments
* Summary Data
	+ Total profile Views
	+ Totals hires
	+ Total Search made
	+ Total Job site posted
	+ Total Dump site posted
	+ Total calls made
* Drill down of the above summary data
 | Financial and stats history displays the following points:* When signed
* Total amount paid
* List of payments
* Summary Data
	+ Total profile Views
	+ Totals hires
	+ Total Search made
	+ Total Job site posted
	+ Total Dump site posted

Total calls made**(PASS)** |
|  | **Suggest Leads** | As the product owner, I want my users to be actively giving us leads on new job sites/ dump sites or drivers so that we can followup on the leads & convert them into active users. | * The users will be able to send leads to the admins by filling a form
* Form Fields
	+ Lead Name
	+ Lead Type – DD
		- Job Site
		- Dump Site
		- Driver
	+ Note
	+ Street
	+ City/ Village
	+ State
	+ Zip Code
	+ Contact Person Name
	+ Contact Person Number
 | * The users will be able to send leads to the admins by filling a form. The form fields are same as those mentioned in the notes section. **(PASS)**
 |
|  | **Setting** | As a user, I want a setting menu so that I can change my setting & preferences as per my requirements. |  |  |
|  | Profile | As a user, I want to be able to manage my profile data so that I can change & edit my profile information as per my requirements. | * The users will be able to use the manage profile screen to achieve this
* The user will be able to modify the information entered in the 1st step of the registration process
 | * The users are able to use the manage profile screen to edit their profile.**(PASS)**

The users are able to modify the information entered in the 1st step of the registration process.**(PASS)** |
|  | Membership & Billing | As a user, I want to be able to manage my Membership & Billing. | * This will be shown in the Membership & Billing screen
* For users using the master reference code this screen will only have the code & the name of the code owner
* For users who have paid or used the coupon code they will see the current plan & expiry date
	+ The user will be auto debited the amount once the plan expires. The credit card saved for the account will be used
	+ The users will be able to renew the plan manually if the auto debit fails
	+ There will be a payment gateway to collect the payment from the user
	+ If the plan has expired then most of the services will be unavailable until the plan is renewed so we need to make sure that all the relevant APIs checks if the plan is active, this needs to be a global check
* Users will be able to cancel
 | * For users using the master reference code this screen have the code & the name of the code owner.**(PASS)**
* For users who have paid or used the coupon code they can see the current plan & expiry date
	+ The user are auto debited the amount once the plan expires. The credit card saved for the account will be used
	+ The users can renew the plan manually if the auto debit fails
	+ There is a payment gateway to collect the payment from the user

If the plan has expired then most of the services will be unavailable until the plan is renewed so we need to make sure that all the relevant APIs checks if the plan is active, this needs to be a global check**(PASS)** |
|  | Driver Settings | As a user, I want to be able to manage my Driver Settings so that I can reset my settings as per my requirements & availability. | * This option will only be available for the driver type of users
* The drivers will be able to edit all the information provided in the step 3 of registration from the Driver Settings Screen
 | * This option will only be available for the driver type of user.**(PASS)**

The drivers are able to edit all the information provided in the registration from the Driver Settings Screen**(PASS)** |
|  | Master Reference Code | As a user, I want to be able to view the Master Reference Code of my account so that I can share my code to other users. | * The info will be shown in the Master Reference Code screen
 | * The master reference can be viewed from my account to share with others **(PASS)**.
 |
|  | Help |  |  |  |
|  | FAQ | As a user, I want to be able view the common questions as FAQ so that I can get the answers of the common questions easily. | * The info will be shown in the FAQ screen
* This will be a static content
 | * Users are able to view the common questions as FAQ so that they can get the answers of the common questions easily.**(PASS)**
 |
|  | Contact Us | As a user, I want to be able to contact the admins in case I need any support so that I can get help from the admin if I need. | * The info will be shown in the Contact Us screen
* The users will get the contact details of the admins
 | * There is a contact us page in this application.**(PASS)**
 |
|  | Terms & Privacy Policy | As a user, I want to be able to view the terms & privacy policy of the service so that it is accessible in case I need that info. | * The info will be shown in the Terms & Privacy Policy screen
* This will be a static content
 | There is a terms & policy page in this application.**(PASS)** |
|  | App Info | As a user, I want to be able to view the app info so that I can get the app info in case I need it. | * The info will be shown in the App Info screen
* This will be a static screen
 | * There is a application information page in this application.**(PASS)**
 |
|  | **Analytical Collections** |  | * The app should log all the searches
* The app will log all the results against searches
 |  |
|  |  |  |  |  |

**C. Native Mobile App - iOS**

*Same as Android Scope as detailed above.*

**6. Milestone Breakdown**

*Refer to the milestoneEstimates\_trukLoads.xlsx file for details.*