Software Requirements Specification

Version 1.1

25th July , 2024

Vehicle Management System

Revision History

Date	Version	Author	Description	Reviewed By	Approved by
10th July, 2024	1.0	Aayushi Agarwal	Initial Version	Rahul Saxena	Rahul Saxena
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Contents

Introduction

Purpose

The purpose of this document is to present a detailed description of the Vehicle Management System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do and the constraints under which it must operate. This document is intended for both the stakeholders and the developers of the system. This document will be the base for confirmation of the delivery of the product as per the original requirements discussed and agreed by both the parties.

Scope of the project

The scope of the project includes followings

- Functional specification document to describe the total system in low level
- UI Design of the total system including interface for users
- Development of all functional requirements
- Setting up the system on live server in ready for use condition

Glossary

Client Name	Ecosystem & AnalytiX Internation Ltd
Vendor	Refer to the development company- Octal IT Solution LLP
Database	Collection of all the information monitored by this system.
Field	A cell within a form.

Software requirement specification	A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document.
*	Field is require
PM	Project Manager
TL	Team Lead
BA	Business Analyst

Functional Requirement specification

2.1 Brief Description

The "Vehicle Management System" project is an application designed for management of vehicles. It provides a comprehensive platform for tracking, maintaining, and scheduling vehicles. Additionally, it offers automated alerts for maintenance, renewals, and other critical events, ensuring seamless vehicle operations and improved fleet management.

Applications will have two types of users who will be interacting with the application with following functionality.

Adminis trator	The admin will able to manage users, vehicles and all the statistical data of the platform.The Admin shall also responsible for the creation and maintenance of access o f users (except vehicle owners) for Insurance and other third parties.
Users	These will be the users of the platform. The user will be able to add and manage single or multiple vehicles. The user can also compare the fuel consumption with all other vehicles registered on platform.

3.1 Splash Screen Task Id 1:

Business Rules

This screen will be the first screen of the application with the app logo and name will appear for few seconds, after that the introduction screen will appear.

Use Case: Once the name CruisE appears, there shall be word rolling upwards displaying Experience, Economical, Easy, Efficiency.
Use Case: The screen will be visible every time when user will comes into the application.

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Use Case: After that the user will redirect to the Introduction screen.

3.2 Introduction Screen Task Id 2:

Business Rule

These screens will have 3-5 scrollable screens which give a short description of the Application and how to use it. If the user skips these screens they will be taken to the "Login Page".

Use Case: These will come only at the first time launch of application.
Use Case: Users can also skip these screens by clicking on the "Skip" button.
Use Case: There will be option of move "Next" or to "Previous" screen from the current screen.

NOTE: The content will be provided by the client.

3.3 Registration Screen Task Id 3:

This screen is the register screen where new users of the application will able to register themselves.

Business Rule

There will be following fields user's need to submit to get the registration process done successfully:

- Full name*
- Email address*
  Validation:
  - Email should be in abc@domain.com form.
  - Spacing will not be allowed while entering Email.
  - Email Address should not be case sensitive.
- County Code: The country code will be displayed for Mauritius
- Mobile Number
- Password: A password will have certain constraints that would be as follows
  Validation:
  - 1 Uppercase (A, B, C, D)
  - 1 Lowercase (a, b, c, d)
  - 1 Special Character (@, #, $, %, ^)
  - 1 Numeric (1, 2, 3, 4)
  - Length should be 8 to 16 characters.
- Eye icon: For hiding/viewing the password.
- Confirm password
- Accept terms and conditions*
- Continue [Button]: On clicking this button, the entered details will get submitted and user will redirected to the email OTP verification screen.

Use Case: Both entered and reentered passwords should match to complete the registration process, in case if not matching system will display error message for same.

- Sign up with social media: Once a user signs up with a social medialink, he/she will be able to register on the application. Once the registration via social media sign up is done, the user will redirect to the home screen of the application.

~~3.4 OTP Verification Screen Task Id 4:~~

~~The login button will redirect the user to the OTP verification screen. There will be the following fields on the screen:~~

- ~~Back Arrow: The user can click on the back arrow to go back and change the mobile number if the user wants to.~~
- ~~Enter Verification Code:-The user has to enter the 6-digit verification code sentto the user's mobile number.~~
- ~~Resend OTP:-If the user didn't receive the verification code, the user has the option to "Resend Code" to get the code again (resend code option will be active after 30 sec. Once the code has been sent).~~
- ~~Verify [Button]:-The user will click on the "**Verify**" button to proceed on theHome Screen.~~

3.5 Login Screen Task Id 5:

The registered users will be able to login to the application by entering the correct combination of credentials. There will be following elements on this screen.

Business Rules

- Country Code
- Email address: User needs to enter email address used at the time of registration.
- Password: User needs to enter the password used at the time of registration.
- Forgot Password: In case if the user forgot the password then by clicking on this text, user will receive an OTP on the registered email address. For complete flow refer to Forgot Password.
- Login [Button]**:** The user will click on the "Login" button, by clicking on login the user will be log in into the system.
- Remember Me: Users need to click the check mark to save their password and avoid having to re-enter it.

~~**Use Case:** The country code and mobile number should be same as it was at the time of registration.~~

~~**Use Case:** If the entered mobile number is incorrect, system will show an alert please enter correct mobile number.~~

Use Case: If the entered password is incorrect, system will show an alert please enter correct password.
Use Case: If the user gets logged out from the application due to any reason and they already registered on the application, then the user will reach on the login screen directly.

3.6 Forgot Password Task Id 6:

If the User forgets the Password of their associated account, they can simply click on the “forget password” button to rest the password.

Business Rule

- Email Address: User needs to enter the email address.
- Send OTP [Button]: By clicking on this button the user will be redirected to the OTP verification screen.
- Resend OTP: There will be standard option of resend OTP.
- Continue [Button]: Once the OTP is verified the user will able to set their new password.
- To set the new password screen user needs to enter
  - New password
  - Confirm password
  - Confirm [Button]: By clicking on this button user will redirected back to the login screen to complete the login process.

Use Case: User can check the entered password is correct with eye icon near to new Password.
Use Case: User will receive the otp on the registered email address.

3.7 Home Page Task Id 7:

Once the user will get registered or logged into the application successfully, user will be redirected to this home screen. The Home screen will include Top navigation bar, Bottom navigation bar and other element.

Business Rules

There will be following elements in the home screen of the application:

- **Header**

- **Notification Icon:** By clicking on this user will be redirected to the notification screen,
  - In this screen user will able to view all app related notifications and activities reminders. Fore detailed Notification
- **Company Logo:** The company logo will be displayed at the top of the screen‘header’.

- **Body**

  - Add Vehicle [Button]: User can add his vehicle from the add vehicle button. By clicking on button user will be redirected to add vehicle form. The form is separated into 4 section as below:

    Owner Information
    - Owner Name*
    - Address*
    - Street*
    - Town*

    Vehicle Information
    - Registration Mark*: User needs to enter license plate number assigned to the vehicle.
    - Make of Vehicle*: User needs to select from the dropdown brand or manufacturer of the vehicle. The list of make manage from admin.
    - Vehicle Model*: User needs to select specific model or version of the vehicle. The model listing will come on the basis of make of vehicle.
    - Fuel Used*: User needs to select type of fuel from the dropdown. The list of fuel used manages from admin.
    - Engine Capacity*: User needs to select the capacity of engine measured in cubic centimeters (cc). The engine capacity listing manages from admin.
    - Transmission Type*: User needs to select type of transmission from the dropdown. The transmission type listing manages from admin.
    - Road Tax*
      - Period Renewed: User needs to enter duration for which the road tax has been renewed.
      - Road Tax Certificate: User needs to upload the road tax certificate.
      - Expiry Date: User needs to select date from the calendar when current road tax period expires.

        Use case: The certificate file will be in pdf format.

    Insurance Information
    - Insurance Company Name: User needs to enter name of the company taken insurance coverage of the vehicle.
    - Current Sum Insured: User needs to enter current insured value of the vehicle.
    - Expiry Date: User needs to select date from the calendar when current insurance policy expires.

    Certificate of Fitness*
    - Fitness Certificate: User needs to upload the fitness certificate.

- Date of expiry: User needs to select expiry date from the calendar of the fitness certificate.

Use case: The certificate file will be in pdf format.

Use case: When user comes to home screen for the first time, add vehicle button will display.
Use case: If user skips mandatory field system will show alert.
Use case: The fuel used & transmission type in dropdown will be hardcoded from the admin panel.
Use case: The entered details will be saved and cannot be edited.

Note: If the user comes on the platform first time on the home screen users can only see the 'Add Vehicle' to add the vehicle.

Body

The main screen of the home page shows the fuel comparison, insurance and expenses report in card view. User cards can be swipe left and right. There are following details will displayed:

- Fuel Comparison: This will shows the stats of fuel consumption with all other vehicles registered on the platform.
- Fuel Refill [Button]: By clicking on the button user redirect to add fuel refill screen. For more refer to Fuel refill.
- Service [Button]: By clicking on the button user redirect to add service screen.
  Filter> Model Comparison
  - All Model
  - Same Model

  Filter> Comparison for
  - Fuel Efficiency
  - Service Cost

  Date Filter
  - From
  - To

Note: Fuel efficiency data compared with others by filtering Engine Capacity, Mileage and Model.

- Insurance: It should show the current insurance details. The details are as below
  - Vehicle Insured with: This will show the name of the insurance company.
  - Sum Insured
  - Insurance Type
  - Premium: It will show the status of premium paid or payable.

- Expiry Date
- Insurance Renewal [Button]

Filter> Insurance details of

- Vehicle 1
- Vehicle 2
- Vehicle 3

- Road Tax/ Fitness: It should show the current road tax and fitness certificate status.

  Road Tax

  - Road Tax File (in pdf)
  - Expiry date

  Fitness

  - Fitness Certificate File (in pdf)
  - Expiry date

  Update Record [Button]: By clicking on this user can update the record.

  Filter> Road Tax details of

  - Vehicle 1
  - Vehicle 2

- Expenses Report: This will show the expenses of vehicle occurred in table view.

  - Report Date
  - Expenses
  - Liters
  - Mileage

    Use Case: The Liters & Mileage will be display in report only when expense type is selected fuel.

  Filter> Expenses of

  - Vehicle 1
  - Vehicle 2

  Filter> Expenses Type

  - Fuel
  - Service
  - Insurance

  Date Filter

  - From
  - To

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- **Bottom Navigation:**
  - Home: The Home tab serves as the main screen of the application. It provides users with a quick overview of key metrics and recent activities. Users can access shortcuts to different features and see notifications or alerts.
  - Vehicle: The Vehicle tab allows users to manage and view details about their vehicles. This includes information on the vehicles
  - Tools: This tool tab will show the details of Towing services and Garage maintenance list.
  - Expenses: The Expenses tab helps users keep track of all expenses related to their vehicles and trips. This includes fuel costs and maintenance expenses.
  - Account: The Account tab provides users with access to their personal and account settings.

3.8 My Vehicle Task Id 8:

Under this section user can add and manage the vehicles. If user added multiple vehicles he can manage all of them.

Business Rule

- Select Vehicle: All the vehicles added by user will show in the list view. User can select any of the vehicles to check the details related to the selected vehicle.
- Vehicle Listing: The listing of vehicle will show in card view have the following elements
  - ~~Vehicle Image: This is the image of the vehicle~~
  - Owner Name: This will show the name of the owner of vehicle.
  - Make & Model Name: This will show the make & model of the vehicle.
  - Vehicle Registration Mark: This will show the vehicle registration mark.
  - Fuel Type: This will show the fuel type of the vehicle.

  Use case: A maximum of 3 vehicle allowed, this parameter can be changed by the admin for specific users upon request

  Use case: The card is clickable, user will be redirected to detail screen of vehicle.
  Use case: If user has more than one vehicle, he can select one at a time.
  Use case: If no vehicle is added it will show “No Data”.
- Add Vehicle [Button]: User can add new vehicle in case he has more than one vehicle. By clicking on button user will be redirected to add vehicle form. For complete flow refer to Add Vehicle

  Use case: When the user is adding the same vehicle system will validate that the vehicle is already added in the system.

3.9 Vehicle Detail Task Id 9:

Business Rule

User will be able to view and track the complete details of the vehicle. The screen will be divided in 3 sections

- Vehicle Details: This will show the complete vehicle details.
    - ~~Vehicle Image~~
    - Owner Name
    - Owner Address
    - Make Name
    - Model Name
    - Fuel Used
    - Engine Capacity
    - Transmission Type

- Service Details: This will show the last service details of the vehicle.
    - Date of last service: This will show the date of last service. When last the vehicle makes service.
    - Total Fuel Consumption of Vehicle: This will show the consumption of fuel within a date range.
    - Total Expenses of Vehicle: This will show the total expenses of vehicle. Including fuel expenses and service expenses.

    Use case: The service details will always be the last service of vehicle.

- Fuel Management: This will show the fuel uses of the vehicle.
    - Average Fuel Efficiency: This will shows the vehicle's fuel efficiency. ~~rate over a specified distance.~~
    - ~~Distance between Fill ups: This will show the distance traveled between each fuel Refill.~~
    - Mileage between Fill ups: This will show the mileage between each fuel refill.
    - Quantity per Fill up: This will show the amount of fuel refill during each Refill.
    - Cost per Fill up: This will show the total expense incurred for each fuel Refill.

    Use case: The uses of fuel will be shown within a fix date range
    Use case: The total expenses of fuel will be shown within a fix date range
    Use case: The Average fuel efficiency will be calculated as per standard calculation.

- Insurance: It should show the current insurance details. The details are as below
    - Insurance Company Name

- Sum Insured
- Expiry Date

  Use case: If user has not added the insurance details. This section will not display under vehicle detail screen.

- Road Tax & Fitness Certificate: It should show the road tax & fitness certificate. The details are as below

Road Tax

- Road Tax File (in pdf)
- Expiry date

Fitness

- Fitness Certificate File (in pdf)
- Expiry date

3.10 Fuel Refill Task ID 10:

Business Rule

In tis section user will be able to add the fuel refill details. The following will displayed:

- Vehicle [dropdown]*: User needs to select the vehicle for which fuel Refilled.
- Date*: Users need to select the date from the calendar.
- Fuel Cost Refilled*: User needs to enter the fuel cost.
- Fuel (in Liters)*: User needs to enter the quantity of fuel Refilled at the time
- Mileage*: User needs to enter the Mileage of vehicle at the time of Refill.
- Upload Receipt: User need to upload the receipt via device's file manager.
- Save [Button]: On clicking this button user will able to save the updated fields of fuel Refill and will be redirected to the vehicle history screen.

Use case: If user has only one vehicle. The vehicle name should appear by default.
Use case: If user has more than one vehicle user can choose from listing.
Use case: Enter date from date picker. By default the current date will be set.
Use case: By default current date will be set as start date which can be further edit by the user.

3.11 Add Service Task ID 11:

Business Rule

In this section user will be able to add the service details. The following will displayed:

- Date: User needs to select the date from the calendar.
- Next Service Mileage: User needs to enter the next service mileage.
- Vehicle: User needs to select the vehicle from the listing.
- Service Provider Name: User need to select the service provider from the listing.
- Services [textbox]: ~~User needs select the services from the listing. The services will be displayed based on service provider.~~ User needs to enter the service taken during the service.
- Cost: User needs to enter the total cost of services.
- Upload Receipt: User needs to upload the receipt via device’s file manager.
- Save [Button]: On clicking this button user will able to save the updated fields of service and will be redirected to the maintenance history screen.

Use case: Service provider will be managed by admin panel.
Use case: When the next service mileage is achieved user will get the notification for next service.
Use case: If user has only one vehicle. The vehicle name should appear by default.
Use case: If user has more than one vehicle user can choose from listing.

3.12 Expenses Task Id 12:

Business Rule

In this section user will be able to add and view all details of vehicle expenses following will display.

- Date: This will show on which date the expenses occur.
- Vehicle Name: This will show the make & model name of the vehicle.
- Expense Type: This will show the type of expenses. It could be fuel service expense and insurance expenses.
- Cost: This will show the cost of expense.

  Use case: The receipt will be downloaded and saved in the mobile device's Downloads folder.
  Use case: If no expenses are added by user, it will show text “No Data”.

- Add Expenses [Button]: User will click on the add expense button and redirected to Add screen following will display:
  - Date*: Users need to select the date and he made the expense by default current date will be set as start date which can be further edit by the user.
  - Expense Type [dropdown]*: User needs to select the expense type.
  - Vehicle [dropdown]*: User needs to select the vehicle for which expenses added.
  - Cost*: User needs to enter the cost in (Rs.).

- Upload Receipt: User need to upload the receipt via device's file manager.
- Save [Button]: On clicking this button user will able to save the updated fields of adding expenses and will be redirected to the expense screen of the application.

Use case: Expense type will be managed from the admin.
Use case: Enter date from date picker. By default the current date will be set.
Use case: If user has only one vehicle. The vehicle name should appear by default.
Use case: If user has more than one vehicle user can choose from listing.

3.13 Tool Task ID 13:

In this section user will be shown the details of the tow company. The following details will be displayed:

- Name of the Tow Company
- Address
- Name of services
- Contact Details of service Provider
- Call for Enquiry: The user can call for an enquiry that will be done out of the system. (When the user clicks on the call button, then the contact details of the respective service provider will be copied into the clipboard to make calls from the Phone directory).

3.14 Insurance Renewal Task Id 14:

In this section user can request for quote for the renewal of vehicle insurance which is due to expire. User will have a button on home screen to request for insurance renewal. Clicking on the button; the user will be shown a insurance renewal form:

Business Rule

a) Insurance Company: Please select 3 insurance companies you wish to obtain a quote for the renewal of your Vehicle Insurance which is due to expire. This is multiselect check box.

Company A

Company B

Company C

Company D

Use Case: Admin can add name of insurance company who signed the contract with the admin.

b) Name: The full name will be auto-fetched from the profile.
c) NIC

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d) Car Model: This will also be auto-fetched from the my vehicle.
e) Year of Manufacturer: This will also be auto-fetched from my vehicle.
f) Vehicle Registration Mark: This will also be auto-fetched from my vehicle.
g) Value in (Rs.): User has to insert the value of vehicle to be insured.
h) Sum to be insured: User has to insert the amount to be insured.
i) Cover: User has to select the cover type. This is single select option.
    i. Comprehensive
    ii. Third Party
j) Period of Insurance Cover: User has to select the period of insurance. This is single select option.
    i. 3 month
    ii. 6 month
    iii. 12 month
k) Is the vehicle registered in your name?
   Yes
   No
l) Is there a lien on the vehicle?
   Yes
   No
m) Have you or any other driver ever been disqualified from driving or had your/his/her license been endorsed?
   Yes
   No
n) Applicant driving experience?(textbox)
   The answer is a number, not yes or no

o) Years Number of accidents at fault in past 3 years?(textbox)
   The answer is a number, not yes or no

p) Where is the vehicle kept when not in use?(textbox)
   This is free text area, not yes or no

q) Do you or any other driver, to your knowledge suffer from the following illness?
   Yes
   No
r) Previous insurer's Name: User has to insert the previous insure name.
s) Confirmation [checkbox]: User needs to give confirmation that “I agree to share the above information with mentioned partner(s).”
t) Submit [Button]: After the submit button, a confirmation popup will be appear to update the user that “Thank you for submitting to Insurance Company A, C and E a request for quote. Please stay tuned on your notifications to be kept informed of their proposals.
   Please note that no information is submitted to the Insurance Company, other than what you

have selected below".

Insurance Renewal Request for Quote	
Please select 3 insurance companies you wish to obtain a quote for the renewal of your Vehicle Insurance which is due to expire	
Company A	☐
Company B	☐
Company C	☐
Company D	☐
Company E	☐
Company F	☐

Information to share with the Insurance Companies you have selected:	
Name	[default]
NIC	[default]
Car Model, Capacity etc	[default]
Year of Manufacture	[default]
Value/ Rs.	[default]
Sum to be insured	[user to insert the amount to be insured]
Comprehensive Cover ☐	Third Party Cover ☐
Period for Insurance Cover	3 Months ☐ 6 Months ☐ 12 Months ☐

(default of car information to be brought here)

Use case: The service providers will be added from the admin side.

Use case: If user not tick the confirmation and click on save, the system will through an alert popup to tick the confirmation box.

Use case: If user left the question without selecting response, the system will through an alert to fill the details.

Use case: After successful submission of a request, the request will to send to insurance companies and all the data will be saved in admin panel.

Insurance Quote Status: User will get the proposal from insurance company in below format:

- Insurance Company: List of insurance company will display how has shared the insurance renewal cost.
- Premium Payable: User can see the premium to be payable in against of the quote received from the companies.

Insurance Quotes Status	
[User], here is what we got from the INsurance Company(ies)	
Insurance Company	Premium Payable
Company A	Rs. [Amount quoted by Company A]
Company C	Awaiting reply
Company E	Declined to quote

User Confirmation: User has to give his confirmation of selection of quote from the particular insurance company. To give confirmation below will be display.

- Do you wish to confirm your selection of the insurance company [Company Name] for the renewal of insurance cover?
  Yes
  No
- After successfully submit, an confirmation pop up will be appear that "Thank you for your confirmation. Your message has been relayed to the Insurance Company who shall send you the confirmation details. Please effect your payment through JUICE/… quoting reference [###]. Stay tuned to your notification to receive your Insurance Certificate."

Do you wish to confirm your selection of the Insurance [Company A] for the renewal of your insurance cover?	
Yes	No

3.15 Notifications Task Id 15:

Users will receive all the in-app notifications related to their different app activities via push notification.

Business Rule

- Users will be notified for renewal of insurance.
- Users will be notified for renewal of road tax.
- User will be notified for service based on Mileage or time interval.
- User will be notified when servicing is due (as per records of the service at next Mileage being reached - see maintenance/service records).
- User will be notified for the insurance quotes received.

  Use case: 45 days before next renewal date, notification should be sent to user for action.

3.16 Account Task Id 16:

Business Rule

In this section user can view and edit the profile and can view the account setting. By clicking on account tab from bottom navigation from home page user will be redirected to account page. There are following elements:

- Profile
  - Edit profile
- Settings
  - Notification [toggle]: User can enable and disable the notifications.
  - Change Password
- Vehicle History: In this user can view the history of the vehicle. By clicking on this user will be redirected to Vehicle History Screen.
- Maintenance History: In this user can view the maintenance history of vehicle. By clicking on this user will be redirected to Maintenance History Screen.
- My Vehicle: In this user can manage and view the details of vehicle. By clicking on this user will be redirected to My Vehicle Screen.
- About
  - Help Desk: User can raise query from the help desk.
  - Contact Us
  - About Us
- Preference
  - Terms & Condition
  - Privacy Policy
  - FAQ
- Delete Account
- Logout

3.16.1 Profile

User can view and edit the profile personal details:

- Full name
- Email id
- Mobile number

Edit: In edit, the user can edit details if he wants to edit:

- Full name *non-editable
- Email id *editable
- Phone number *editable

Use case: User will be able to do one edit at one time either email address or phone number.

Use case: If user chose to edit the email id, system will send a OTP to change the email id.

3.16.2 Change Password

The user can change the password from change password. If the user clicks on this,the below fields will be displayed.

- Enter Old Password
- Enter New Password
- Confirm New Password
- ➢ Minimum character should be 8.
- ➢ At least one upper case letter (A-Z)
- ➢ At least one lower case letter (a-z).
- ➢ There should be one digit (0-9).
- ➢ At least one special character (e.g, @, #, $, %, &, *).
- Save Button: The admin will be able to change the password by clicking on thisbutton.

  Use case: Confirm new password should be the same, as the new password, if both fields are not the same then system will show alert message.

  Use case: Password should be as per the rules and validation.

3.16.3 Notifications Settings

This section allows users to enable or disable notifications. As per notification status users will receive notification and alert via email and push notification.

3.16.4 Vehicle History

In this section user will be able to view the history of all the vehicles registered on the platform following will display:

- Select Vehicle: All the vehicles added by user will show in the list view. User can select any of the vehicles from a list view to check the details history related to that vehicle.

- Vehicle Listing: The listing of vehicle's details are displayed in a card view format have the following elements
    - Date: This will show the date of fuel Refill.
    - Vehicle Name: This will show the name of the vehicle.
    - Mileage: This will show the current Mileage of the vehicle.
    - Fuel Cost Refill: This will show the cost of fuel Refill
    - Fuel Quantity: This will show the fuel quantity Refill.

    ~~**Use case:** The Mileage is calculated based on fuel Refilled.~~
    Use case: If user has more than one vehicle, they can select one at a time.
    Use case: If no vehicle is added it will show text "No Data".

- Filter: Users can filter vehicle history records within a specific date range. This is useful for viewing expenses, and Mileage.

3.16.5 Maintenance History

In this section user will be able to view, add and remove the data related to maintenance history. The following will display:

- Select Vehicle: All the vehicles added by user will show in the list view. User can select any of the vehicles from a list view to check the details history related to that vehicle.
- Vehicle Name: This will show the make and model name of the vehicle.
- Last Service Date: This will show the last service date of that vehicle.
- Next Service Mileage: This will show the next service mileage filled by user.
- Service Provider Name: This will show the list of service provider from which user has taken the service.
- Services. This will show the services taken. ~~The services will be displayed based on services provider~~
- Total Cost: This will show the total cost incurred for the service of vehicle.

Use case: If user has more than one vehicle, he can select one at a time.
Use case: The new added service data will show as the last service data.
Use case: The cost is the total cost of expense incurred during the service of vehicle.

3.16.6 About

Help Desk:

- The contact number and support email address will be visible to the user. The user can write their problem description or can call the support to seek the desired in-app support.
- Enter Email ID: The user will write their email address.
- Mobile: Here, users can view the admin's contact number.

- ~~Here, the user will have a “Call Button” Option to contact Admin. The calling process will happen outside the system.~~
- Problem Description: The user will be able to write their problem in the Description box.
- Submit: The user will submit the information by clicking on the “Submit” button.
- Note:
  - This is handled by the admin on the backend to resolve the query of the users.
  - The user will get a reply to their queries on their email address.

About Us:
The user will be able to view the about us section which will have static content; about the company and its details.

Contact Us:
The user will be able to view the Contact us section which will have static content; about the contact details of the company.

3.16.7 Preference

FAQ:
Under this section, the user would be able to view the FAQ’s section that will have the static content. This section will have a set of Questions and Answers that will be related to different sets of events.

Privacy Policy:
The user will be able to view the privacy policy that will have static content.

Terms & Conditions:
The user will be able to view the terms and conditions that will have static content.

3.16.8 Delete Account

By clicking on this button, user will be able to delete his account from the application.If user select this all the details will be deleted from the app of the user and need to start from scratch before deleting we will ask confirmation in form of a pop up.

Use case: After click on delete account a pop up will appear where user can enter the reason of deleting.

3.16.9 Logout

By clicking on this button, a popup will appear asking for logging out with two buttonswhich are yes and No. By clicking on the Yes button, the system will be logged out and by clicking on the No button, the user will stay at the same page.

Use case: Once the user is logged out from the system, they will beredirected to the Login Screen.

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4. Admin Panel (Web Panel)

4.1 Login

Business Rule

In this module, the admin will be able to login into the system by entering the correct combination of credentials.

- Email ID
  In this field the admin needs to enter the registered email.

- Password

In this the admin needs to enter the registered password. There will be an eyeicon; the admin can view the entered password by clicking on that icon.

- Remember me *checkbox

If the admin clicks on this button, the admin details will be saved in the cache and if the admin next time tries to login to the system, these fields will be autofilled.

- Forgot password [button]

Admin would be able to reset their password in case they forgot. If the adminclick on this button, the admin needs to follow process to reset the password.

- Admin will enter their registered email id in the textbox.
- If the admin clicks on the submit button, a reset password link will be sent to the registered entered email id.
- The admin can reset the password by clicking on the reset password link.The admin can then login in the system with the new password. Reset password screen will display below fields:
  - New Password
  - Confirm Password
- Accept terms and conditions*
- Login button

If the admin clicks on this button, the admin will be able to login to the system.

Note: Validations will be similar as mentioned in the registration module in the user panel.

Use case: If the password is changed, the admin will be logged out from all the devices on which the admin is logged in.

Use case: Until the admin manually logged out, the admin will keep logged in to the system.

4.2 Dashboard

Business Rule

In the dashboard, the admin will be able to view a snapshot of the system. In the dashboard, the admin will be able to access all the modules from the side menu of the dashboard.

Header

In the dashboard and other modules, the header will be the same and the adminwill be able to use the functionality of the header from any module. In the header, my profile icon will be visible, if the admin clicks on my profile icon the below will be displayed in the dropdown list.

- My Profile: If the admin clicks on this, the below fields will be displayed.
  - Full Name
  - Email ID: The admin can enter the updated email in this field.
  - Profile Image *upload: The admin can upload the profile imagefrom this field.
  - Update Button: By clicking on the update button, the admin willbe able to and save the above details in the system.

    Use cases
    - The email should be in the format abc@xyz.com
    - The email will not accept any space in betweencharacters.
    - Name should be in the alphabets only.
    - Only single image will be uploaded
    - The format of the image should be png or jpeg.

- Change Password: The admin can change the password by clicking on this option from the dropdown. If the admin clicks on this, the below fields will be displayed.
  - Enter Old Password *text field
  - Enter New Password *text field
  - Confirm New Password *text field
    - Minimum character should be 8.
    - At least one upper case letter (A-Z).
    - At least one lower case letter (a-z).
    - There should be one digit (0-9).
    - At least one special character (eg., @, #, $, %, &,*).

- Save Button: The admin will be able to change the password by clicking onthis button.
  - At least one special character (eg., @, #, $, %, &,*).

- Save Button: The admin will be able to change thepassword by clicking on this button.

Use cases

- The confirmed new password should be the same, as the new password, if both fields are not the same the admin will not be able to change the password and the system will show an alert.
- Password should be in given format, if password will not be in the same format then system shows an alert "weak password".

- Sign-out: If the admin clicks on this button, the admin will be able to sign- out from the system.

Middle Section: In the middle section the count of below will be displayed

Filter

- Date range: DD/MM/YYYY (From date- To date) calendarThe date range filter will work for all the below counts.

Use case: Users will have to select from date and To date both.

- Number of total users registered
  In this count of users registered to the system will be displayed, if the admin clicks on this the admin will be redirected to the users manager section.
- Number of registered vehicle
  In this section, the admin can view the number of vehicles thathave been registered. If the admin clicks on this the admin will be redirected to the vehicle manager section.
- Analytics of Fuel Cost
  In this section, the admin can view the analytics of fuel cost as per vehicle model and vehicle manufacture year.
- Analytics of fuel Efficiency
  In this section, the admin can view the analytics of fuel efficiency as per vehicle fuel consumption ~~and number of distance covered~~.

Use case: The overall analytics will show on the dashboard.

Side Menu: In the side section the below details will be displayed

- Logo: Company logo will be displayed.
- Other modules: The admin will be able to access all modules of the adminpanel from the side menu. In the side menu the below module will be available.

  - Dashboard: In the dashboard, the admin will be able to view a snapshot of the system.

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- Sub Admin Manager: In this section, the admin will be able to create sub admins, and the subadmin will have the limited access of the panel as per the given permission.
- User Manager: In this manager, the admin will be able to view and manage the registered user of the system. Admin can update the user wallet fromthe backend system.
- Make & Model Manager: In this manager, the admin will be able view and manage the
- Transmission Type Manager: In this manager, the admin will be able view and manage the
- Fuel Used Manager: In this manager, the admin will be able view and manage the
- Service Provider Manager: In this manager, the admin will be able view and manage the
- Tool Manager: In this manager, the admin will be able view and manage the
- Vehicle Manager: In this manager, the admin will be able to manage all the vehicle added in the system by the user.
- Insurance Manager: In this manager, the admin will be able to add and manage the insurance provider.
- Reports Manager: In this manager, the admin will be able to access and manage the reports.
- Notification Manager: In this module, the admin will be able to send notifications to the Users.
- Help & Support:
- Email Template: In this manager, the admin will be able to view and manage email templates.
- Static Pages: In this module, the admin will be able to manage the static content.This content will be displayed to the users to the frontend.

4.3 Sub Admin Manager

Business Rule

In this module, the admin will be able to create sub admins, and the sub admin will have the limited access of the panel as per the given permission.

- Add new [button]
  By clicking on this button, the admin will be able to add a new sub-admin to the System. The admin can add a new sub admin by the below process.
  - Full name*text field
  - Email address*text field: In this the admin will enter the email addressof the sub admin.

  Use cases
  - The email should be in the format abc@xyz.com
  - The email will not accept any space in between characters
  - Trim functionality should be used in email field
  - This email should be valid and working.

- Role Permission: While creating the sub admin, the admin will be able to provide access permission to the specific sub admin. If the sub admin is created, the sub admin will be able to only access the module of which access is provided by the main admin. The admin can give access of view, edit, add of the below modules:
  - Dashboard
  - User Manager
  - Make & Model Manager
  - Transmission Type Manager
  - Fuel Used Manager
  - Service Provider Manager
  - Tool Manager
  - Vehicle Manager
  - Insurance manager
  - Report manager
  - Notification manager
  - Help & Support
  - Email templates
  - Static Content manager
- Save *button: By clicking on this button, the sub admin will be created.

  Use cases
  - An auto generated password will be created by the system.
  - The password will be of 8 characters and alphanumeric.
  - The password will be sent on the entered email id, the sub admin will be able to login with the entered email id and the sent password.
  - Later on the sub admin can also change the password.

- Filters

In this, the admin will be able to filter the data from the listing by below filters.

- Search *by entering the keyword: The admin will be able to search inthe listing by sub admin name, sub admin id, Email id.
- Status *Dropdown
  - All
  - Active
  - Inactive
  - Use case: The field will be single select.
- Date range *on created date
  - From date *calendar
  - To date *calendar
- Filter *button: By clicking on this button, the admin will be able to filter

the data as per the selected filters.

- Reset *button: By clicking on the reset button, the admin will be able to reset theselected filters.

- Listing

In the listing, the below fields will be displayed

- Sub admin ID: This will be auto generated ID from the system and will be unique.
- Sub admin full name
- Email ID
- Created date

- Action Items
  - Status *Toggle button
    By clicking on this toggle button, the admin will be able to activate and deactivate the specific sub admin.
  - Edit button
    - First name* text field
    - Last name*text field
    - Email address*text field
    - In this the admin will enter the already created email address ofthe Sub admin.
    - Role Permission: This will be same as mentioned in the add new module.
    - Save *[button]: By clicking on this button, the admin will be able to save the edited details.

Use cases

- The email should be in the format abc@xyz.com
- The email will not accept any space in between characters
- Trim functionality should be used in email field
- This email should be valid and working

4.4 User Manager

Business Rule

In this manager, the admin will be able to view and manage all the registered users of the system.

- Listing of registered user:
  In this, the admin can view all the registered users, the admin can activate or deactivate them and the admin can also view all the details of registered users.
  - Full Name
  - Email ID
  - Mobile number

- Created on
- Toggle status (Activate/Deactivate)
- Action
  View

- Search *by entering the keyword: The admin will be able to search in the listing by name and Mobile number.
- Filters: In this, the admin will be able to filter the data by Join on date and date range, status *dropdown.
  - Active
  - Inactive

  Use case: This admin can select one option at one time, this field will single Select.

- Date range
  - From date *calendar
  - To date *calendar
- Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters.
- View: By clicking on view button, the admin can view complete personal details of registered users- User Details
  - Full name
  - Phone number
  - Email ID
  - Created on

4.5 Make & Model Manager

In this section the admin will be able to manage the vehicle brand. They will be able to add remove and view the listing of Brand.

- Listing of Brand:
  In this, the admin can view brand list, the admin can activate or deactivate them.

  - Vehicle Make Name
  - Created Date & Time
  - Last Updated On
  - Status [toggle]
  - Action
    Edit [button]
    View Model
  - Make Name
  - Model Name
  - Engine Capacity
  - Created Date & Time

- Last Updated On
- Status [toggle]
- Action

  Edit [button]

- Add New Model
    - Make Name [dropdown]
    - Model Name [textbox]
    - Engine Capacity Type [textbox]
    - Add [button]
    - Close [button]
- Add New Make [button]
    - Vehicle Make name [textbox]
    - Add [button]
    - Close [button]

- Search *by entering the keyword: The admin will be able to search in the listing by name.
- Filters: In this, the admin will be able to filter the data date range , status *dropdown
  - Active
  - Inactive

Use case: This admin can select one option at one time, this field will single Select.

- Date range
  - From date *calendar
  - To date *calendar
- Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters.

4.6 Transmission Type Manager

In this section the admin will be able to manage the vehicle transmission type. The transmission type will be hardcoded from the admin side.

- Listing of Transmission Type:
  In this, the admin can view transmission type list, the admin can activate or deactivate them.

  - Transmission Type Name
    - Automatic
    - Manual
  - Created Date & Time
  - Status [toggle]
  - Action

    View

- ~~Add New Engine Type [button]~~
    - ~~Transmission Type~~
    - ~~Save [button]~~
    - ~~Close [button]~~
- Search *by entering the keyword: The admin will be able to search in the listing by name.
- Filters: In this, the admin will be able to filter the data date range , status *dropdown
  - Active
  - Inactive

  Use case: This admin can select one option at one time, this field will single Select.

- Date range
  - From date *calendar
  - To date *calendar
- Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters.

4.7 Fuel Used Manager

In this section the admin will be able to manage the vehicle fuel used. This is hardcoded by the admin.

- Listing of Fuel Used:
  In this, the admin can view fuel used list, the admin can activate or deactivate them.

  - Fuel Used Name
    - Petrol
    - Diesel
    - Electric
    - CNG
  - Created Date & Time
  - Status [toggle]
  - Action
    View
- ~~Add New Fuel type [button]~~
    - ~~Fuel Type Name~~
    - ~~Save [button]~~
    - ~~Close [button]~~
- Search *by entering the keyword: The admin will be able to search in the listing by name.
- Filters: In this, the admin will be able to filter the data date range , status *dropdown
  - Active
  - Inactive

  Use case: This admin can select one option at one time, this field will single Select.

- Date range
  - From date *calendar
  - To date *calendar
- Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters

4.8 Service Provider Manager

In this section the admin will be able to manage the service provider. They will be able to add remove and view the listing of service provider.

- Listing of Service Provider:
  In this, the admin can view service provider list, the admin can activate or deactivate them.

  - Service Provider Name
  - Address
  - Mobile Number
  - Created Date & Time
  - Status [toggle]
  - Action
    Edit
    View
- Add New Service Provider [button]
  - Service Provider name [textbox]
  - Address
    - Street
    - Town
  - Mobile Number
  - Name of Services
  - Save [button]
  - Close [button]
- Search *by entering the keyword: The admin will be able to search in the listing by name.
- Filters: In this, the admin will be able to filter the data date range , status *dropdown
  - Active
  - Inactive

  Use case: This admin can select one option at one time, this field will single Select.

- Date range
  - From date *calendar
  - To date *calendar
- Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters

~~4.9 Services Manager~~

~~In this section the admin will be able to manage the vehicle brand. They will be able to add remove and view the listing of Brand.~~

- ~~Listing of service:~~
  ~~In this, the admin can view fuel type list, the admin can activate or deactivate them.~~
  - ~~Service Provider Name~~
  - ~~Service Name~~
  - ~~Created Date & Time~~
  - ~~Status [toggle]~~
  - ~~Action~~
    ~~Edit~~
- ~~Add New Service Provider [button]~~
- ~~Search *by entering the keyword: The admin will be able to search in the listing by transmission name.~~
- ~~Filters: In this, the admin will be able to filter the data date range , status *dropdown~~
  - ~~Active~~
  - ~~Inactive~~

  ~~**Use case:** This admin can select one option at one time, this field will single Select.~~

- ~~Date range~~
  - ~~From date *calendar~~
  - ~~To date *calendar~~
- ~~Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters~~

~~4.10 Tool Manager~~

~~In this admin will be able to manage the Tow company details. They will be able to add remove and view the listing of Tow Company.~~

- ~~Listing of Fuel Type:~~
  ~~In this, the admin can view fuel type list, the admin can activate or deactivate them.~~
  - ~~Tow Company Name~~
  - ~~Mobile Number~~
  - ~~Created Date & Time~~
  - ~~Status [toggle]~~
  - ~~Action~~
    ~~Edit~~
    ~~View~~
- ~~Add New [button]~~

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- ~~Tow Company Name [textbox]~~
- ~~Name of service [textbox]~~
- ~~Mobile Number~~
- ~~Address [textbox]~~
  - ~~Street~~
  - ~~Town~~
- ~~Save [button]~~
- ~~Close [button]~~

- ~~Search *by entering the keyword: The admin will be able to search in the listing by name.~~
- ~~Filters: In this, the admin will be able to filter the data date range , status *dropdown~~
  - ~~Active~~
  - ~~Inactive~~

~~**Use case:** This admin can select one option at one time, this field will single Select.~~

- ~~Date range~~
  - ~~From date *calendar~~
  - ~~To date *calendar~~
- ~~Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters~~

4.11 Vehicle Manager

In this section admin will be able to manage all the vehicles.

- Listing of Vehicle:
  In this, the admin can view the list of vehicle; the admin can also view the details of vehicle user wise.

- Owner Name
- Registration Mark
- Make of Vehicle
- Vehicle Model
- Fuel Used
- Engine Capacity
- Transmission Type
- Action
  Edit
  Delete
  View: By clicking on view button, the admin can view complete vehicle details:
  Vehicle Information
  - Owner Name
  - Owner Address

- Registration Mark
- Make of Vehicle
- Vehicle Model
- Fuel Used
- Engine Capacity
- Transmission Type
- Road Tax

Insurance Information

- Insurance Company Name
- Current Sum Insured
- Expiry Date

Road Tax

- Road Tax Certificate
- Expiry Date

Certificate of Fitness

- Fitness Certificate
- Date of Expiry

- Search *by entering the keyword: The admin will be able to search in the listing by name and Mobile number.
- Filters: In this, the admin will be able to filter the data by Join on date and date range , status *dropdown
    - Active
    - Inactive

    Use case: This admin can select one option at one time, this field will single Select.
- Date range
    - From date *calendar
    - To date *calendar
- Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters.

~~**Add New Vehicle**~~

~~Owner Information~~

- ~~Owner Name~~
- ~~Address~~
- ~~Street~~
- ~~Town~~

~~Vehicle Information~~

- ~~Registration Mark~~
- ~~Make of Vehicle~~
- ~~Vehicle Model~~

- ~~Fuel Used~~
- ~~Engine Capacity.~~
- ~~Transmission Type~~

~~Insurance Information~~

- ~~Insurance Company Name (If any)~~
- ~~Current Sum Insured~~
- ~~Expiry Date~~

4.12 Insurance Manager

In this section the admin will be able to add the insurance form that will be visible to frontend users. To add following fields will be display

4.12.1 Listing Insurance Company

- Name of the Company
- Email ID
- Created Date
- Last Updated on
- Status
- Action
  Edit

4.11.2 Add New Insurance Company

- Name of Company
- Email ID
- Save [button]
- Close [button]

Note:Insurance company have a web page access (as managed by the admin) to receive insurance quote requests from users and for insurance company to reply and submit its quote. Once submitted, the status changes from 'Awaiting Reply' to Rs. [Amount quoted by Company] or Declined.

4.11.3 Add Staff

- Staff Full Name
- Staff Email ID
- Role Permission
  - Insurance Request
  - Insurance Renewal
  - Insurance Certificate

- Save [button]

Use cases

- An auto generated password will be created by the system.
- The password will be of 8 characters and alphanumeric.
- The password will be sent on the entered email id, the insurance company will be able to login with the entered email id and the sent password.

4.11.2 Insurance Renewal Form

<u>**Business Rule**</u>

a) Insurance Company: Please select 3 insurance companies you wish to obtain a quote for the renewal of your Vehicle Insurance which is due to expire. This is multiselect check box.

Company A

Company B

Company C

Company D

Use Case: Admin can add name of insurance company who signed the contract with the admin.

b) Is the vehicle registered in your name?
Yes
No
c) Is there a lien on the vehicle?
Yes
No
d) Have you or any other driver ever been disqualified from driving or had your/his/her license been endorsed?
Yes
No
e) Applicant driving experience(textbox)
f) Years Number of accidents at fault in past 3 years? (textbox)
g) Where is the vehicle kept when not in use? (textbox)
h) Do you or any other driver, to your knowledge suffer from the following illness?
Yes
No
i) Previous insurer's Name(textbox)
j) Information to share with the insurance companies you have selected

- Name: The full name will be auto-fetched from the profile.
- NIC:
- Car Model: This will also be auto-fetched from my vehicle.
- Year of Manufacturer: This will also be auto-fetched from my vehicle.
- Vehicle Registration Mark: This will also be auto-fetched from my vehicle.
- Value in (Rs.): User has to insert the value of vehicle to be insured.
- Sum to be insured: User has to insert the amount to be insured.
- Cover: User has to select the cover type. This is single select option.
  - Comprehensive
  - Third Party
- Period of Insurance Cover: User has to select the period of insurance. This is single select option.
  - 3 month
  - 6 month
  - 12 month

- Insurance Quote Request: After user has submitted the form. The request will received at admin side. The below will be displayed.

List of Request

Admin will received the request in the below format.

- Request Reference Number
- Name of user
- Vehicle value to be insured

List of Request for Quote for Vehicle Insurance Requests		
Request Reference	Name of User	Vehicle Value to be Insured
##	[Name and Surname]	[Value to be insured]

Reply to Quote

Admin will reply to quote request in the below format.

- Request Reference
- Name of user
- Vehicle value to be insured
- Insurance Cover Type

Comprehensive
Third Party

- Insurance Period Requested

3 months
6 months
12 months

- Proposed Premium
- Comments (If any)

Reply to the Request for Quote for Vehicle Insurance Requests		
Request Reference	*Name of User*	*Vehicle Value to be Insured*
##	[Name and Surname]	[Value to be insured]
Insurance Cover Type	Comprehensive ☐	Third Party ☐
Insurance Period Requested	3 Months☐ 6 Months☐ 12 Months☐	
Proposed Premium/ Rs.	[Insurance Company to insert the premium proposed]	
Comments (if any)	{Insurance Company to insert comments if any]	

<u>Received Confirmation to purchase insurance renewal</u>

Admin will receive the renewal confirmation in below format.

Hereunder are the list of confirmation received for which payment of premiums need to be ascertained at your end		
##	*Name*	*Premium payable*

Note: All the above quote request, renewal confirmation should show in insurance company account which is managed by insurance company and all data will be visible in admin to track.

4.12 Report Manager

In this section user will generate different kind of reports like. The attributes for each report are as follows:

- Registered Users Reports
- Service Providers Reports
- Vehicle Expenses Report
- ~~Numbers of Towing Company~~
- ~~Earnings~~
- Filter
  - By Status
  - By Custom Date Range
- Download Report in CSV

4.13 Notification Manager

In this module, the admin will be able to send User notifications, Compliance Notifications to the Users. The below will be displayed.

- Add New *Button
  By clicking on this button, the admin will be able to send notification to a Specific user, all users. The admin will be able to send notification by the below process:

  - Enter title *text field
    In this the admin will enter the title of the notification.

    Use case: The field will accept 200 characters.

- Send to *only one at a time
  The admin will be able to select one option at a time. Once the admin selects anyone of them, the rest will become disabled.

  - All Users *checkbox
  - Specific Users *dropdown *multiselect.
    In this the admin can select a specific user, to which the admin wants to send the notification.

    Use case: In the dropdown list, user name and user will be displayed. This field will be multiselect.

- Notification description *Text area.
  In this the admin will enter the notification description. This field will accept 350 characters.

  Use case: we will use a standard text editor.

- Send notification *Button

By clicking on this button, the admin will be able to send the notification to the selected users or all users.

- Listing

  In this listing, the sent notifications to the companies will be displayed. In the Listing the below fields will be displayed.

  - S.no.
  - Title
  - Message *Notification description
  - Sent to
    - All Users: This is if the admin will send the notification to all users.
    - Specific (if send to any specific)
  - Created date
  - Action (view)

- Search *by entering the keyword: The admin will be able to search in the listing by title.
- Filters: In this, the admin will be able to filter the data by Join on date and date range , status *dropdown
  - Active
  - Inactive

  Use case: This admin can select one option at one time, this field will single Select.

- Date range
  - From date *calendar
  - To date *calendar
- Reset Button: By clicking on the reset button, the admin will be able to reset the selected filters.

4.14 Help & Support Manager

- User Id: The admin will be able to view the user id of the user.
- User full Name: The admin will be able to view the user full name of the user who has raised the query.
- Mobile Number: The admin will be able to view the mobile number of the user whohas raised the query.
- Email Address: The admin will be able to view the email address of the user who has raised the query.
- View: Once the user click on view button, the admin will see all the details
  a) User Name
  b) Mobile Number
  c) Email Address
  d) Description
  e) Reply
  f) Close [button]

- Reply [button]**:** The admin will make a reply on the queries to the user which will get received on the user's email address.

4.15 Email Template

In this manager, the admin will be able to view and manage email templates. (There will be specific templates as below:

- Registration
- Forgot Password
-
    - Search *by entering the keyword: The admin will be able to search by template title.
    - Filter: The admin will be able to filter the data from the listing by below filter
        - Status *dropdown
            - All
            - Active
            - Inactive

              Use case: The field will be single select.

        - Filter *button

          By clicking on this button, the admin will be able to filter the data by the selected filters.

        - Reset *button

          By clicking on this button, the admin will be able to reset the filters.

    - Listing: In the listing below details will be fields will be displayed
        - Template title
        - Subject
        - Created date
        - Time
        - Status *toggle

          By clicking on the toggle button, the admin will be able to activate or inactive any specific email template.

        - Action item(Edit button, view)

    - Edit Button: The admin will be able to edit all fields which are mentioned in the module.
        - Template title
        - Subject
        - Keywords

- Update [button]

4.16 Manage Static Content

Admin would be able to manage view, add, edit and remove the static content of the following screens

About Us

The admin will be able to view the about us section that will have the static content.

- Status [toggle]
- Created date
- Updated date
- Edit

FAQ

Under this section the admin would be able to view the FAQ section that will have the static content. This section will have a set of Questions and Answers that will be related to different sets of events.

- Status [toggle]
- Created date
- Updated date
- Edit questions and answers

Privacy Policy

The admin will be able to view the privacy policy that will have the static content.

- Status [toggle]
- Created date
- Updated date
- Edit

Terms & Conditions

The admin will be able to view the terms & conditions that will have the static content.

- Status [toggle]
- Created date
- Updated date
- Edit

Contact Us

The contact number and support email address will be updated by the admin.

Non-Functional Requirements

The applications will be published on play store and app store and the website will be hosted on a server with high speed capabilities.

- **Performance:** System performance is the most important quality in non-functional requirements and affects almost all the other preceding ones. Furthermore, reliability, availability, and maintainability (RAM) 95 features fall exclusively under these requirements. System performance defines how fast a system can respond to a particular user's action under a certain workload.
- **Reliability:** Reliability is the probability and percentage of the software performing without failure for a specific number of uses or amount of time.
- **Availability:** This feature defines the amount of time the system is running, the time it takes to repair a fault, and the time between lapses.
- **Maintainability:** This feature indicates the average time and ease and rapidity with which a system can be restored after a failure.
- **Recoverability:** Recoverability is the ability to recover from a crash or a failure in the system and return to full operations.
- **Capacity:** This feature indicates your system's storage capacity, which is dependent on its type and characteristics.
- **Serviceability:** This feature indicates how easy it is to perform service when necessary.
- **Security:** Security measures ensure your software's safety against espionage or sabotage. These features are necessary even for stand-alone systems; you don't want anyone to have access to your sensitive data.
- **Manageability:** This feature is defined as the ability to control a system efficiently and keep it fully operational.
- **Environmental:** These factors concern the software's environment.
- **Data integrity:** Data integrity refers to maintaining and ensuring data accuracy and consistency over its entire life-cycle. If this factor is corrupted, data is lost due to a database error.
- **Interoperability:** All system components must follow a common and standard set of exchange formats to exchange data; the lack of interoperability happens when people do not follow standards.
- **Usability:** This feature concerns the users; it indicates how effectively they can learn and use a system.

Technology Stack

WEB BACKEND PANEL DEVELOPMENT	
Front End	HTML5/CSS3 / Vue.JS
Client Side Scripting	PHP
Server Side Scripting	Laravel
Framework	PHP
Database	Mongo DB / SQL

MOBILE APPLICATION	
Logic Implementation	Dart
Design Framework	Flutter
IDE	Visual Studio Code/Android Studio
Orientation	Portrait/Landscape
Android SDK	Android SDK
iOS Devices supported	iPhone 8, 8Plus, iPhone X/XR/XS, iPhone 10 to 15
iOS Version Supported	iOS 8 and above
Android Devices tested	Galaxy S9, S10 and S10+, Xiaomi Redmi Note 7, One Plus Nord 2, Mi devices
Resolution Supported	800 x 480; 1280 x 720; 1920 x 1080, 2560 x 1440, 2880 x 1440, and 2960 x 1440
Android Version Supported	Android 7.0+ & above

Project exclusions

- Server cost: We will require the credentials of the live server at the time of deployment. The cost to set-up the Server will be borne by the client.
- Being an Amazon Network Partner, Octal recommends Amazon Server for hosting.

- Images & Content will be provided by the client.
- Anything not mentioned in the proposal will be considered as an add-on.
- Brand logo – It will be provided by the client.

Assumptions and Dependencies

- Application Languages
    - Application will develop English Language
        - Standard design template will be used for Admin Panel
        - Mobile App Designs will be in Portrait mode

ACCEPTANCE OF SRS DOCUMENT

I have gone through the SRS document of the project **"Vehicle Management System App"** form Page "**1 to 45**" of this document and its contents are true representative of the second milestone of the project. Any other discussions on public forum /chat/ voice call but not mentioned in this document are not part of the project*.

Accepted BY

Signature

ADDRESS:

DATE:

(Please sign in the space provided above and return a scanned copy on mail to acknowledge you acceptance of the scope of work SRS document

Octal IT Solution
Technology Outsourcing Simplified