**System Requirement Specifications**

**Document: System Requirement Specification Document**

**Title**: Riders Paint

**Objective:**

It is going to provide communication environment for users(riders and pillions). This application is to help people who loves travelling in group. It will help people to gather together and go an on ride to discover places. Even if someone don't have bike he/she can go on ride with others.

**Scope:**

* Rider can set their route and date and pillion can communicate with them via phone number. After mutual agreement with each other, they can share the ride together.
* Users can access each other via phone numbers.
* At some extent, this system will bring advantages like less traffic and air pollution will be decreased at some extent.
* Every user has their own profiles and they can have access with given password to the system.

**Overview:**

* Anyone can use this application who are above 18 age and go on a ride but in order to go on a ride, a user needs to log in using their unique email-id & password.
* By visiting the registration page, unregistered members can do so. The default role is ‘User’ when a user registers on application.
* This system can be used by any user who has driving license. However, it is must that every user has driving license and bike document details for riders.

**Functional Requirement:**

This section provides a requirement overview of system. Various functional modules that can be implemented by system will be:

* The users will be accessible for viewing their personal details and their added rides will be visible to every user.
* **Registration:** New users can sign up by using their unique email-id & password.
* **Login:** Only registered users can login to the system. Users must have valid login email-id and password to enter the application.
* **Logout:** A user may want to / need to s logout the system So he/she can do it by clicking the logout button.
* **Add ride route:** User may add route by specifying date, start and end points and time period.
* **Delete ride route:** A user may delete his/her ride route. After deleting route, it will be informed to pillion if any.
* **Request from pillion:** A user may want to share ride with rider so he can send ride request to the rider.
* **Search Route**: A user (pillion) can search for route by so that he can share ride by specifying start and end point, time & date.
* **Cancellation request from pillion:** A user may want to cancel his request so after cancellation it will be informed to the rider.

**Non- Functional Requirements:**

**Performance Requirements:**

* The server must be able to support an unlimited number of devices, i.e., it must place no restrictions on the number of gadgets that can be used simultaneously.
* A limitless amount of active user payments must be supported by the server, and payments must never be lost.

**Availability**

* This application is available for 24 hrs anywhere, anytime.

**Accessibility**

* After registration, only logged-in users will be able to place an order.
* Through a personalized dashboard, the team will be able to monitor daily, weekly, monthly, and annual growth of users.

**Security Requirements:**

* Passwords of the user shall be encrypted in DBMS for security purposes.
* If system crashes it will return back at most one hour in maintainability purposes.

**Efficiency**

* The system will be able to manage all user efficiently.
* The system will be able to manage all transactions with isolation.