

Agreed Work for the Car Rental App with Driver App - Mobile App Design & Development

Client: Mr. Amir - **Car Rental Services App** – website: cheaprentacar.com

Project Overview: Car Rental App with Driver App

Objective:

To develop a mobile application similar to **eZhire** that allows users to rent cars without the hassle of deposits. The system will also include a dedicated **Driver App** to manage car bookings, routes, and communication with users.

Key Features:

Customer App:

1. User Registration & Profile Management:

- Social media, Google, and email-based sign-ups.
- User profiles with booking history, saved locations, payment details, etc.

2. Car Selection & Booking:

- Browse through a catalog of available cars based on categories (economy, luxury, SUVs, etc.).
- Real-time car availability and location tracking.
- Book cars for different durations (hourly, daily, weekly).
- Instant booking or schedule bookings for a later time.
- User will get notification when driver will be on his way to pick up, driver can send this notification

3. No-Deposit Rentals:

- Allow users to rent cars without upfront deposits, with secure payment processing integrated.

4. Payment Gateway Integration:

- Multiple payment methods: Credit/Debit cards, mobile wallets, and PayPal.
- In-app payment tracking for completed rides.

5. Real-Time Tracking & Notifications: --- not required in this phase

- Live tracking of the rented vehicle.

6. Rating & Review System:

- Customers can rate cars and driver's post-rental, helping maintain service quality.

7. Support & Help Center:

- In-app customer support for queries or issues related to bookings and rentals.

Driver App:

1. Driver Registration & Profile Management:

- Drivers can sign up and create profiles, uploading necessary documents for verification (license, ID, vehicle registration).

2. Booking Management:

- Receive new booking requests in real-time with route and time details.
- Accept or reject bookings.
- Detailed booking history and earnings tracking.

3. In-App Navigation:

- Integrated maps for drivers to find customer locations and follow routes to pickup & drop-off points.
- Push notifications for ride confirmation, car arrival, and end of rental.

4. Payment Tracking:

- Track earnings for each completed booking.
- View payment details (paid through the app or pending).

5. Customer Communication:

- In-app messaging or calling for communication between drivers and customers.

6. Rating System:

- Drivers can also rate their experience with customers, ensuring a two-way feedback loop.
-

Admin Panel:

1. User & Driver Management:

- Manage customer and driver profiles, approvals, and verifications.
- Block or suspend users or drivers if necessary.

2. Car Fleet Management:

- Add, remove, and update car details (availability, pricing, images).
- Monitor car usage, bookings, and maintenance schedules.

3. Booking & Payment Analytics:

- Detailed reports on bookings, revenue, and driver performance.
- Analytics to track user engagement, popular cars, and high-demand locations.

4. Customer Support Management:

- Handle disputes, refunds, and complaints through an integrated support system.
-

Tech Stack:

1. Frontend:

- Customer & Driver Apps: React Native (for cross-platform Android and iOS apps).

2. Backend:

- Node.js or Laravel (RESTful API development).

3. Database:

- PostgreSQL or MySQL for data storage.

4. Payment Gateway:

- Integration with Stripe, PayPal, or local payment solutions.

5. Notifications:

- Firebase Cloud Messaging (FCM) for real-time notifications.

	Android & Apple	
	Functionalities	
Task List	"Action Plan"	Days
Mobile App		
Requirements Gathering And Analysis		10 -15
Functional & Non-Functional Requirements Analysis		
Design Finalization	App Flow/XD's Work, after locking the design work with mutual consents proceeds further	
Splash Screen	Logo, Loading bar.	1
User Registration/Login	Allows users to create an account or log in using email, google, or phone number. This feature enhances security and personalizes the user experience	3
Forget password screen	Users can recover their password by sending a recovery link from this screen	3
Vehicle Search and Filtering	Enables users to search for available vehicles based on various criteria, such as location, vehicle type, price range, and availability along with or without a driver. Filters help users find the right car quickly	5
Booking System	A system that allows users to select a vehicle, choose rental dates, and confirm their booking. This feature should include real-time availability and booking confirmation notifications.	5
User Wallet	Users can manage their wallet balance, make deposits, and withdraw funds. This feature allows for seamless transactions and easier management of payments	5
Payment Integration	Facilitates secure online payments through various methods (credit/debit cards, digital wallets). Ensures a smooth transaction process and may include features like invoices and payment receipts.	5
Loyalty Points	Users will earn points for each car rental and receive additional points if someone joins the app using their referral link. These points can be redeemed for discounts or rewards, encouraging user engagement and retention	5
Chat System	Enables real-time chat between customers and drivers for quick communication regarding pickups, drop-offs, and ride details	5

Driver Location	Driver location will be shared with the customer through MapBox, allowing for real-time tracking and better coordination during pickups	3
Ratings and Reviews	<p>User Feedback: Customers can rate their experience with drivers on a scale (e.g., 1 to 5 stars) and provide comments to share their thoughts</p> <p>Driver Profiles: Ratings and reviews will be visible on driver profiles, helping potential customers make informed decisions.</p> <p>Summary Statistics: Display average ratings and the number of reviews to give a quick overview of driver performance.</p>	3
Contact Us	Users will be able to contact the admin through email, providing a description in a text box. The email will be received by the admin in inbox, and this conversation will occur outside the platform	5
Notifications	Notifications sent by the admin will appear up on this screen	
About Us, Privacy Policy, Terms & Conditions	These textual based pages content will be handled by the admin	
Driver Side		
Splash Screen	Logo, Loading bar.	1
User Registration/Login	Allows drivers to create an account or log in using email, google, or phone number. This feature enhances security and personalizes the driver experience	2
Forget password screen	Drivers can recover their password by sending a recovery link from this screen	1
License, Vehicles, requests	<p>-> Drivers will upload driving license & once admin approve the documents; the driver's account will be accepted</p> <p>-> Drivers will define the type of transport they have (Car, Motorbike, Bicycle, HGV, Van, Truck).</p> <p>-> Drivers will also Set their availability to accept new requests</p> <p>-> Drivers can set their location & drivers can also multi select location</p> <p>-> Drivers can accept or refuse incoming requests</p>	5
Chat System	Enables real-time chat between customers and drivers for quick communication regarding pickups, drop-offs, and ride details	3
Driver Wallet	Drivers can manage their wallet balance, make deposits, and withdraw funds. This feature allows for seamless transactions and easier management of payments	3

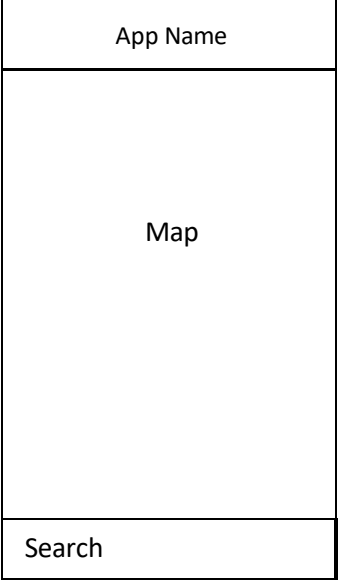
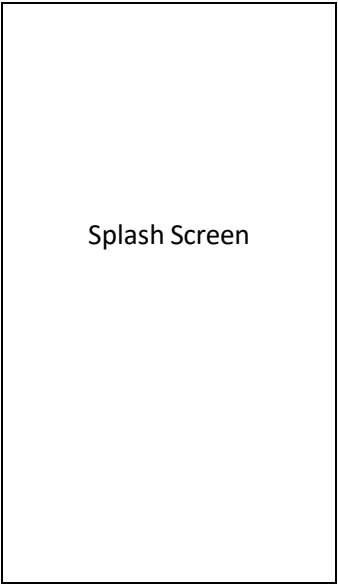
Loyalty Points Tracking	Monitor earned loyalty points and redemption options available for rewards	3
Earnings Tracking	View detailed earnings reports, including daily, weekly, and monthly summaries, along with breakdowns of individual trip earnings	3
User Ratings and Reviews	Access feedback from customers, including ratings and written reviews, to understand performance and areas for improvement	4
Contact Us	Users will be able to contact the admin through email, providing a description in a text box. The email will be received by the admin in inbox, and this conversation will occur outside the platform	3
Notifications	Notifications sent by the admin will appear up on this screen	3
About Us, Privacy Policy, Terms & Conditions	These textual based pages content will be handled by the admin	2
Admin Panel		
Panel Design	layout design	
Admin	Admin will be able to Login , password forget, logout	
Dashboard	Total Vehicles, Total Bookings, Total Active Bookings (These stats will appear on this screen)	
Sub-Admins	The admin will have the capability to add multiple sub-admins and assign access permissions based on specific requirements	8
Users	-> The admin will have the capability to add, edit, delete, activate and deactivate users -> Track and update loyalty points for users -> Set up rewards and redemption options for customer engagement -> View and manage user wallet balances and transactions	5
Drivers	Driver Management: The admin will have the capability to add, edit, delete, activate, and deactivate driver accounts Driver Profiles: Maintain comprehensive profiles for each driver, including personal information, vehicle details, and driving history Performance Tracking: Monitor driver performance through ratings and reviews, as well as trip completion statistics Loyalty Points Management: Track and update loyalty points for drivers, rewarding them for exceptional service and performance.	5

Manage Vehicle Inventory	-> Administrators can add, edit, or remove vehicles from the inventory -> Search and filter options to easily locate specific vehicles	5
Monitor Bookings	-> View current and upcoming bookings with detailed information -> Track booking statuses and make adjustments as needed	5
Track Payments	-> Access payment history for each booking -> Generate reports on revenue and outstanding payments	5
User Feedback	-> View and manage user feedback and reviews -> Respond directly to user inquiries or concerns to improve service	4
Notifications	-> The admin will be able to send notifications to users -> Admin will also have a text box to compose the message	4
About Us, Privacy Policy, Terms & Conditions	These textual based pages content will be handled by the admin	3
Publishing to Google Play & Apple App Store	Will be Published Via Developing APK & IPA files by the Developer's Consoles, time of this will be depends upon Google/Apple response	10
Please Note: Domain, Hosting, Any Paid Api, Complete Data, Google Play Store, Apple App Store Account will be provided by the client.		
Technology & Security		
Technologies	Android & iOS app will be developed using React Native with REST APIs, admin side will be develop in Laravel.	
APIs		
Payment Gateway	All API's must be provided by the client. The working days can vary on provided APIs' implementation.	
Google Maps		
MapBox	-> This API will be used by users to locate vehicle locations in real-time, enhancing navigation and user experience. -> This API will be used by users to locate vehicle locations in real-time, enhancing navigation and user experience. Clients need to create an account at the provided link, and billing will be applied for usage	

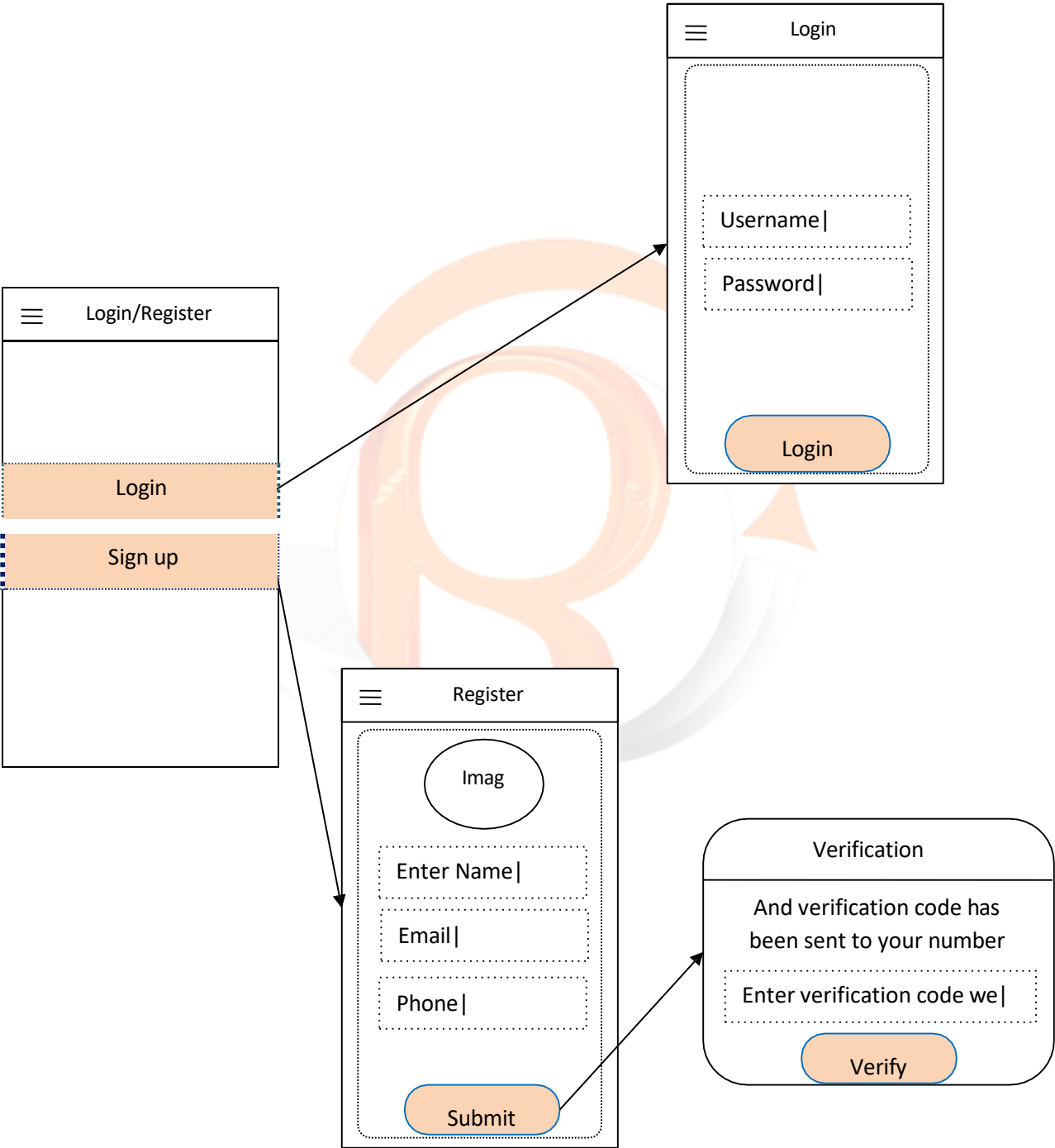
	above 100 users. MapBox SDK for React Native Documentation. httpsdocs.mapbox.com/help/glossary/maps-sdk-for-react-native	
	Total Working Days	115 -135

Please Note: Domain, Hosting, Any Paid/Non-Paid Api, Complete Data, Google Play Store, Apple App Store account will be provided by you. Domain & Hosting may cost b/w \$150-250 per year (shared base). Google Developer Account fee is \$25 one time & Apple Developer Account Fee is \$100 per year.

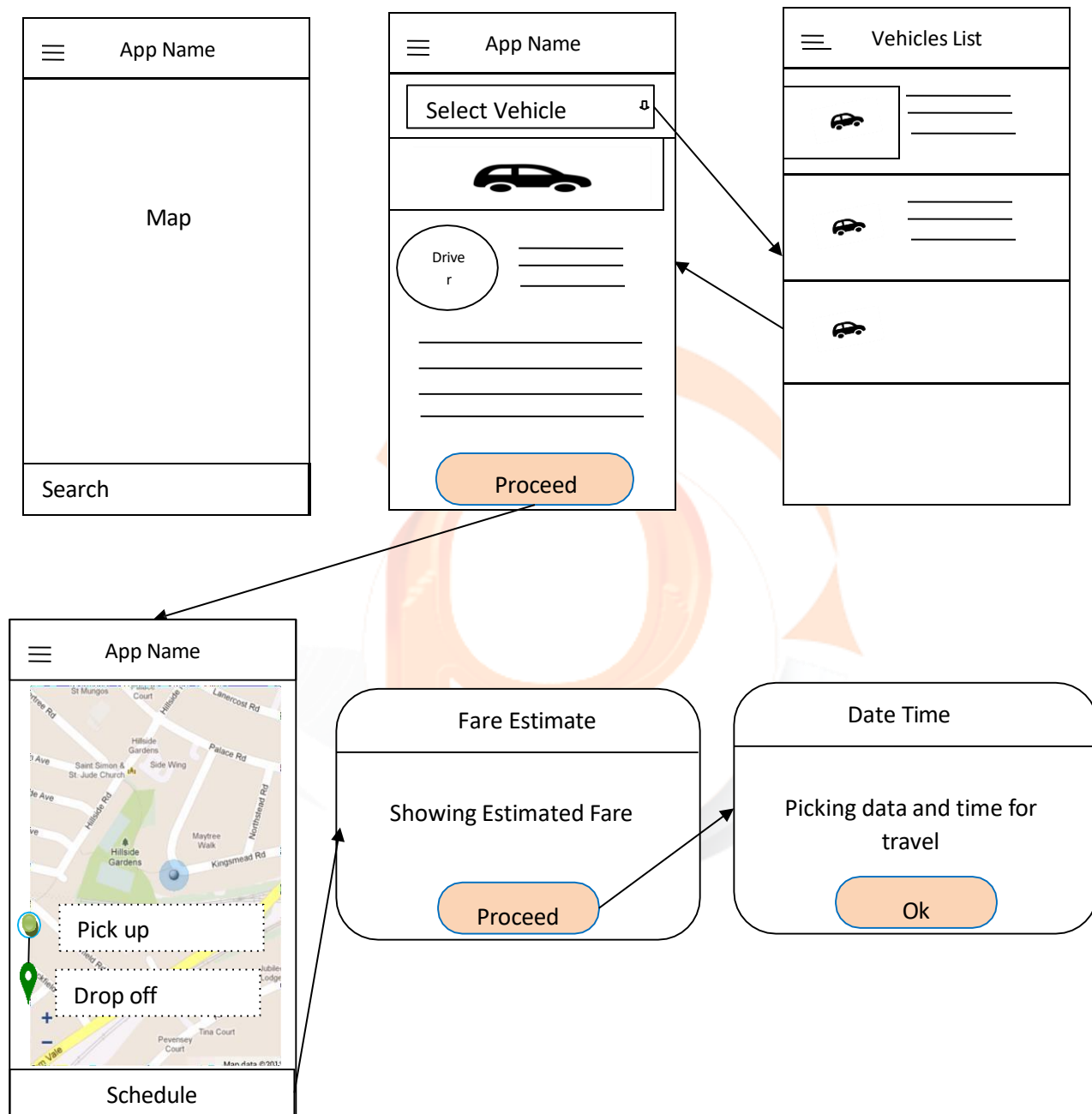
Technology & Security	
Technologies	Mobile APP Will be Developed VIA React Native Technology, it is a JavaScript framework for writing real, natively rendering mobile applications for Android platforms. It's based on React, Facebook's JavaScript library for building user interfaces." Backend will be developed in the Laravel: Laravel is a web framework that can help to create extensible PHP-based websites and web applications at scale.
Required API's	
For the Background Tracking Feature – API – Not required	https://www.transistorsoft.com/shop/products/react-native-background-geolocation#plans
For the Google Maps - API	https://mapsplatform.google.com/pricing/
Payment- Merchant Account API	Will discuss & implemented once finalized
Messages Api - for OTP	https://www.twilio.com/docs/sms/api/pricing



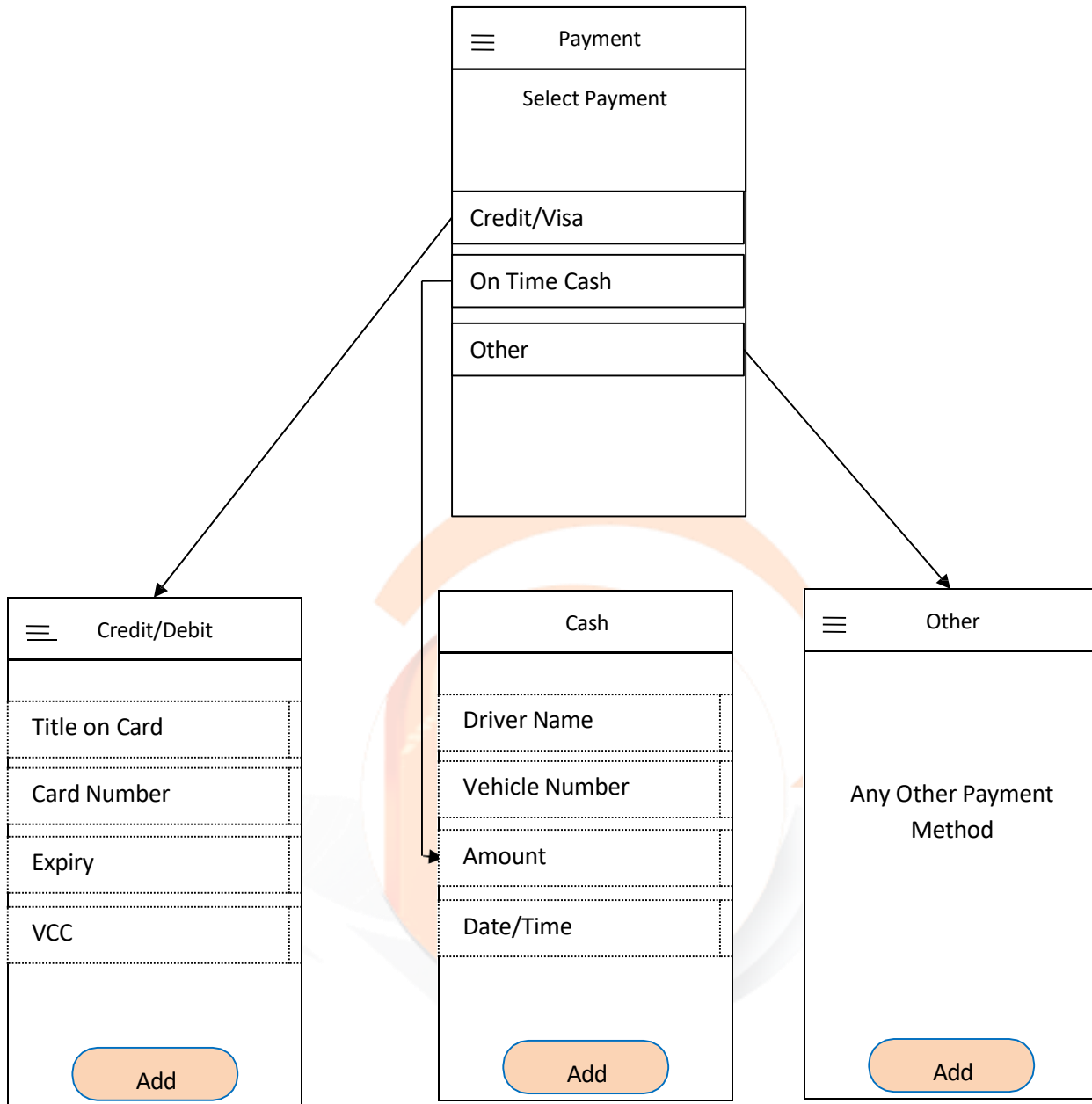
Rider login and Registration



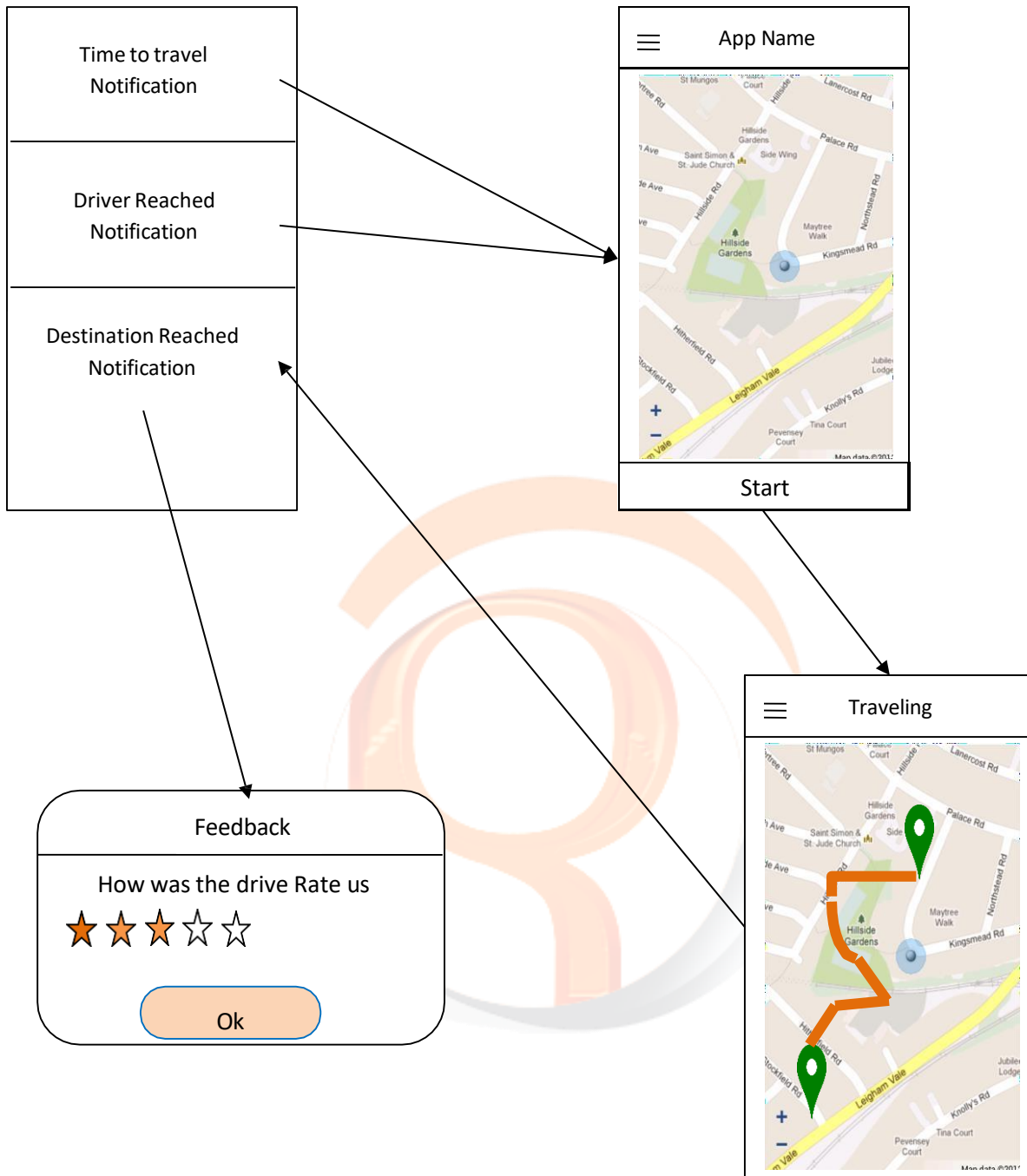
After Login Rider



Payment Methods



Notifications



III	App Name
Dashboard	
Settings	
About Us	
Contact us	
≡	

III	App Name
Name	
History	
Bookings	
Payments	
≡	

≡	History
≡ ≡ ≡ ≡	

≡	Bookings
≡ ≡ ≡ ≡	

App Name	
Dashboard	
Available	
About Us	
Contact us	
≡	

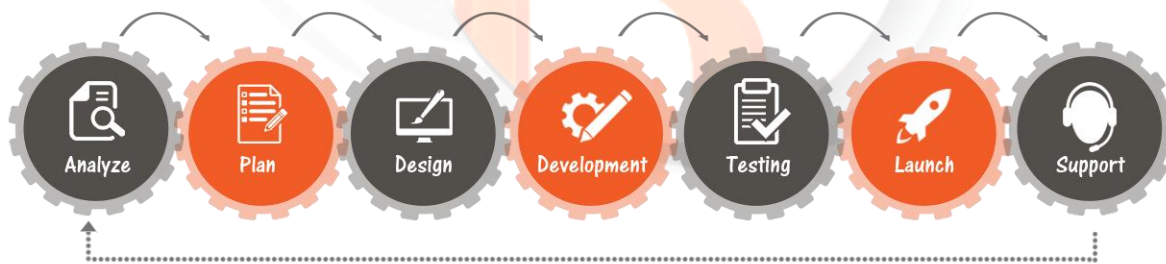
Booking Orders	
○	≡
○	≡
○	≡
≡	

Booking Orders	
○	
≡	
≡	
≡	
Reject	Accept

Traveling	

How We Work?

- ✓ Collect the complete requirement of the project and analyze the requirement,
- ✓ Prepare the complete proposal for the Client which contains action plan, features list, cost, payment mode, phases, deliverables, technologies and time estimations,
- ✓ Review the proposal with the Clients and have feedback,
- ✓ Have contract,
- ✓ With all clear understanding of the requirements sending invoice of 60% of the total payment, Receiving the initial payment, upon upfront amount clearance we start working on the Project by adding Client on Slack.com's Designate Channel where other Team Members i.e., Project Manager, Team Lead, Front End Developers, Admin Panel/Backend Developer, Designer will be there to assist you and gives you updates about the work,
- ✓ Start the with design process i.e., wire framings, layouts, complete screens and upon approval from your side drag into development process
- ✓ Sending Weekly status update with our development Beta URL/ Apk for Android/ IPA for Apple App, so you can review the ongoing work (as mentioned we'll add you on slack channel for this, so that you can directly communicate with our experts.)
- ✓ Upon 50% Work Completion We'll Send you the invoice of Remaining payment of 20% and upon clearance proceeds further
- ✓ Development completed
- ✓ Sending invoice for Final payment before Going Live
- ✓ Migration from our development server to live server i.e. host, Google Play Store, Apple App Store
- ✓ Training on how to manage i.e. add/remove, maintain from the backend. We provide the video tutorials to the Clients



Phase 1: Create the Designate Channel for the Customers on Slack.com

Phase 2: Wire Frames => Flow Diagrams => User Interfaces/Layouts,

Phase 3: Front End Web & App Designs Finalizations (Beta Link for the Web, APK for the Android & IPAs for Apple App will be provided),

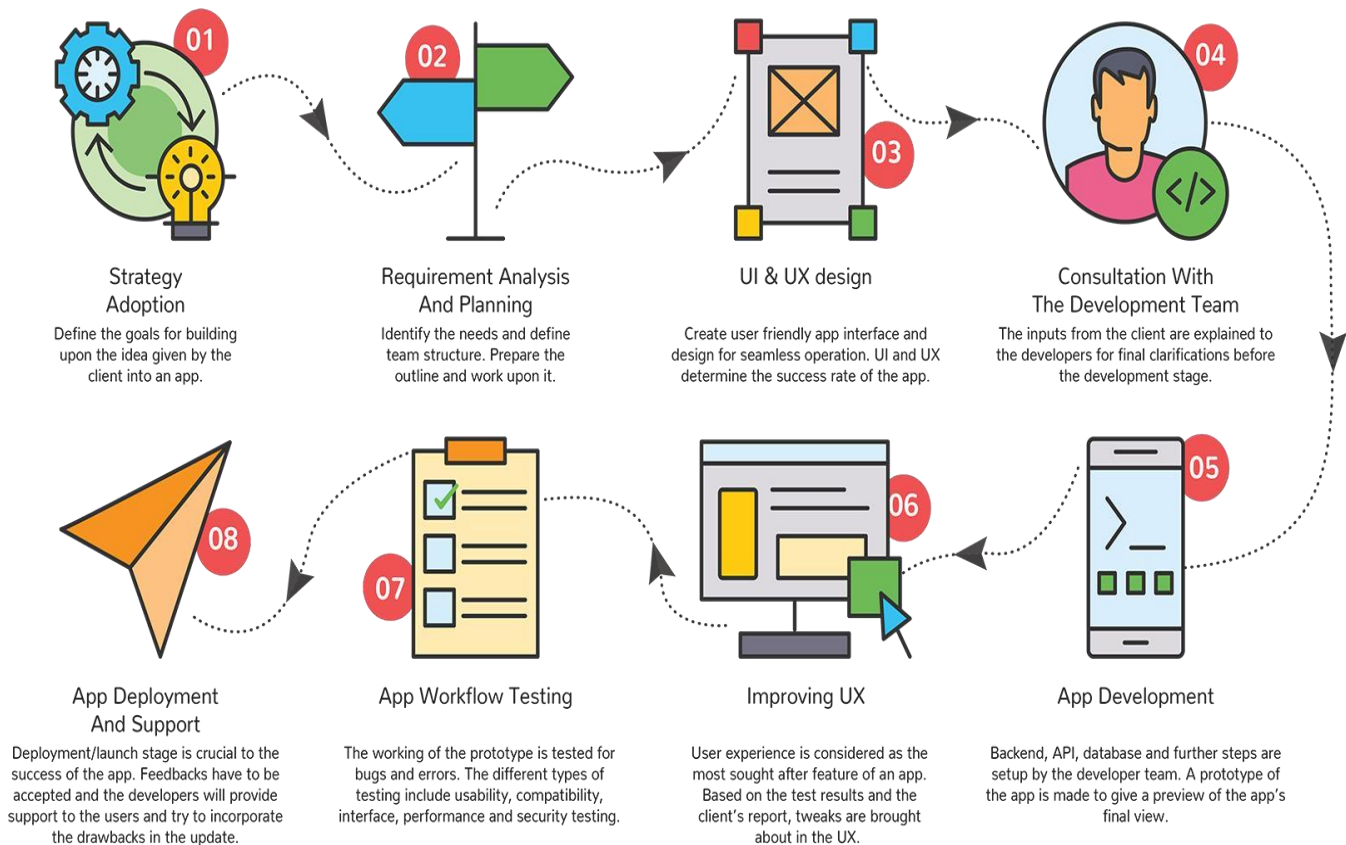
Phase 4: Development of Backend i.e., Admin side etc.

Phase 5: Linking of Frontend and Backend

Phase 6: Alpha/Beta Testing

Phase 7: Launch to the Host, Google Play Store, Apple Store

Phase 8: Testing & Support



Deliverable

- ✓ Handing over the Source Code of the project and Launch the Web and Apps.
- ✓ Handing over the used Files (Logo, images and other documents).
- ✓ Handed over the User Manual i.e., video tutorials
- ✓ 30 days free support will be provided after the delivery of the project. Support includes guidance, error or bug sorting etc.

Timeline for this project: We pride ourselves on our ability to deliver projects according to mutually agreed deadlines. We do not guarantee a completion date for any project. This usually depends on the speed of the client's feedback and the number of revisions required. And these below deadlines are of course dependent on the timely provision of all project content, imagery, data base access, required Api's/Accounts etc.. Any delay in provision of these items will result in postponement of the project deadline. On the rare occasion that we are unable to meet a deadline due to internal issues, we will do our best to inform you in advance, rather than when the project deadline is overdue. Project is planned to an agreed schedule. Non-adherence to this schedule by you may result in compromising final delivery

deadlines. If this is likely to occur, the Ranglerz will advise you as soon as this becomes evident and suggest an alternative solution where feasible. This may incur additional costs. Overall project will take approximately **125 to 145 working days to design, develop & deploy.**

Upon confirmation we'll send you the invoice and upon upfront amount clearance we'll start working on your project from very next day after tomorrow. If you confirm order to us, we'll add you on slack.com channel where other team members i.e., Team Lead, Front End Developers, Admin Panel/Backend/IOS/Android Developer, Designer will be there to assist you.

We would be glad to assist you. We are looking forward to building a long-term business relation with your esteemed company. Have a very nice time!



