

Product Overview

The Hari EV Sector Platform is an innovative digital solution aimed at revolutionizing the electric vehicle (EV) industry. With a focus on user experience (UX) design, the platform integrates various features essential for EV owners and enthusiasts, including EV charging stations, battery management, vehicle health monitoring, interactive maps, and comprehensive vehicle details.

Duration

4 Weeks



Prem Patole

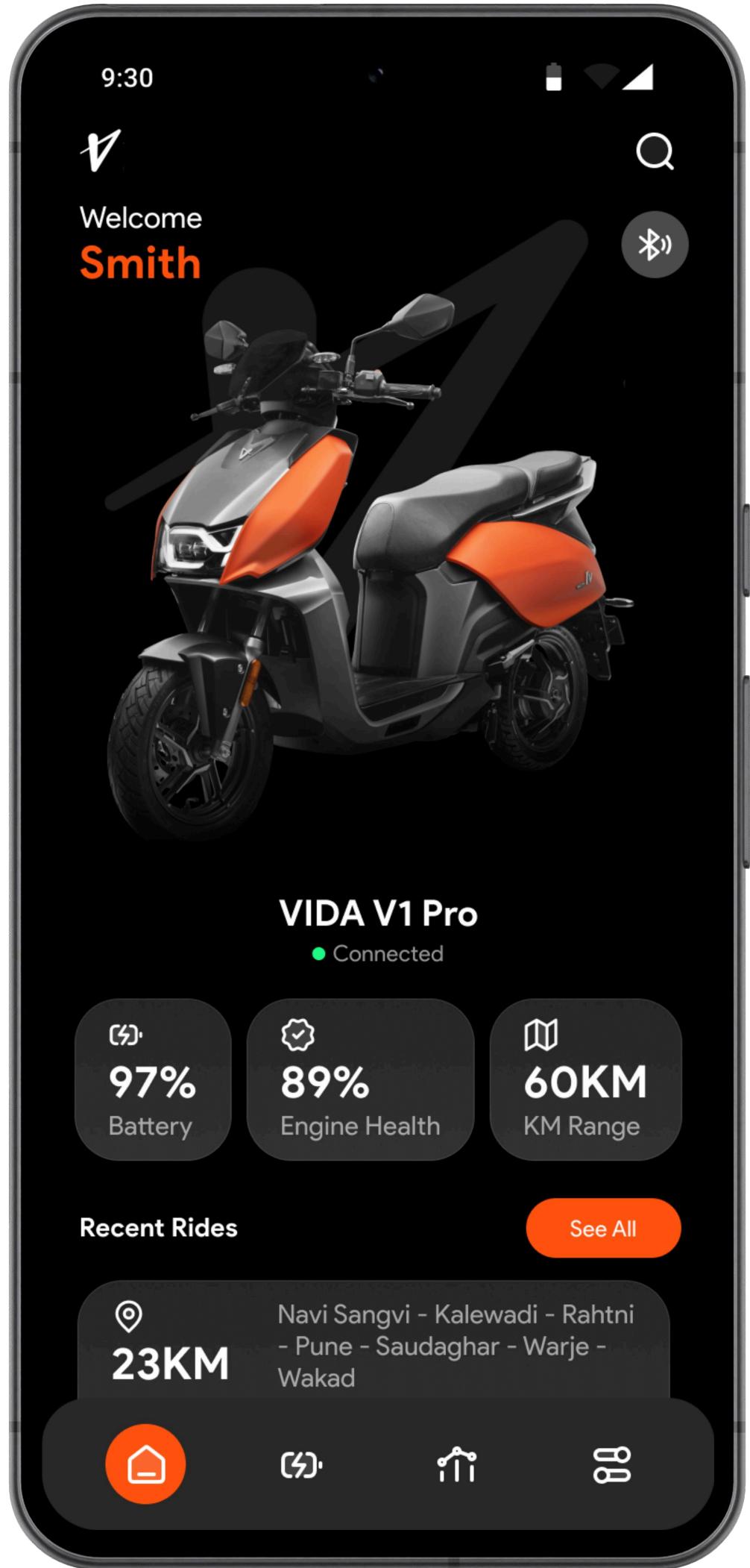
Role

UX Designer, UI Designer

Tools used

Figma, Google forms, Google docs, Adobe photoshop, Figjam, Adobe illustrator





Problem Statement

1. Limited Accessibility to Charging Infrastructure: Many EV owners struggle to find convenient and reliable charging stations, leading to range anxiety and inconvenience during travel.
2. Battery Management Complexity: Understanding and managing EV batteries can be daunting for users, with issues such as battery degradation, charging optimization, and maintenance requirements.

Possible solution

- 1. Enhanced Accessibility to Charging Infrastructure:**
 - Integration with real-time data on charging station locations, availability, and compatibility.
 - Seamless navigation features to help users locate and navigate to nearby charging points with ease.
 - User-friendly interface for planning routes and accessing EV-friendly waypoints along the journey.
- 2. Simplified Battery Management:**
 - Intuitive tools for monitoring battery status, health, and performance.

User Research

Before diving into the design process, extensive research was conducted to understand user needs and pain points. Surveys, interviews, and usability tests were conducted to gather insights into user preferences and behaviors when using EV Applications.

Key Findings

1. Charging Infrastructure Accessibility:
 - Limited availability of convenient and reliable charging stations.
 - Users experience range anxiety and inconvenience during travel.
2. Battery Management Complexity:
 - Challenges in understanding and managing EV batteries.
 - Issues such as battery degradation, charging optimization, and maintenance requirements.
3. Comprehensive Vehicle Support:
 - Fragmented information and limited tools for vehicle health monitoring and maintenance.
 - Lack of comprehensive support for EV users in decision-making and maintenance.
4. User Experience Needs:
 - Demand for intuitive and user-friendly interfaces.
 - Requirement for seamless navigation and accessibility features.

Competitive Analysis

This analysis compares HariEV features with those of its competitors, such as ElectricPe, Chanrging Zone and Statiq EV Charging . Key features include in-app customization options, delivery speed, restaurant selection, and payment methods. By examining these features, BiteDash can identify areas where it can differentiate itself and provide unique value to its users.

Company Name	ElectricPe	Charging ZOne	Statiq EV Charging
Connetion Process	✓	✓	✓
Accessibility	✓	✓	✓
UI	✓	✗	✓
Order Accuracy and Customer Satisfaction	✗	✗	✓
Availability	✗	✓	✓

Design Process

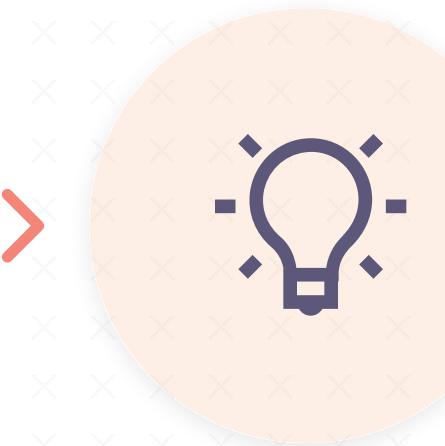
The design process section is a crucial part of your UI/UX case study. It showcases your problem-solving methodology and the steps taken to arrive at the final design solution



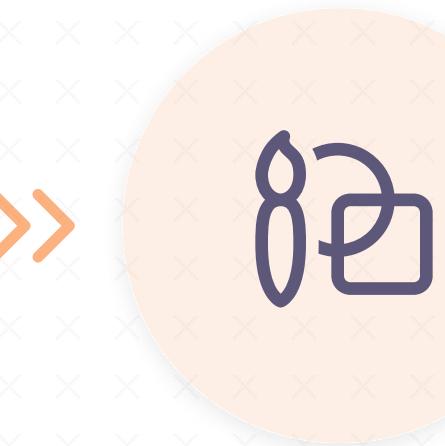
Emphasize



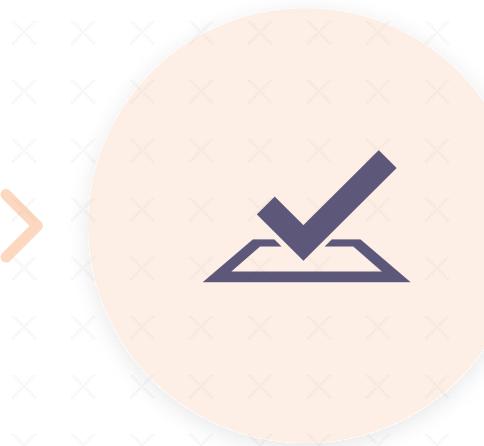
Define



Ideate

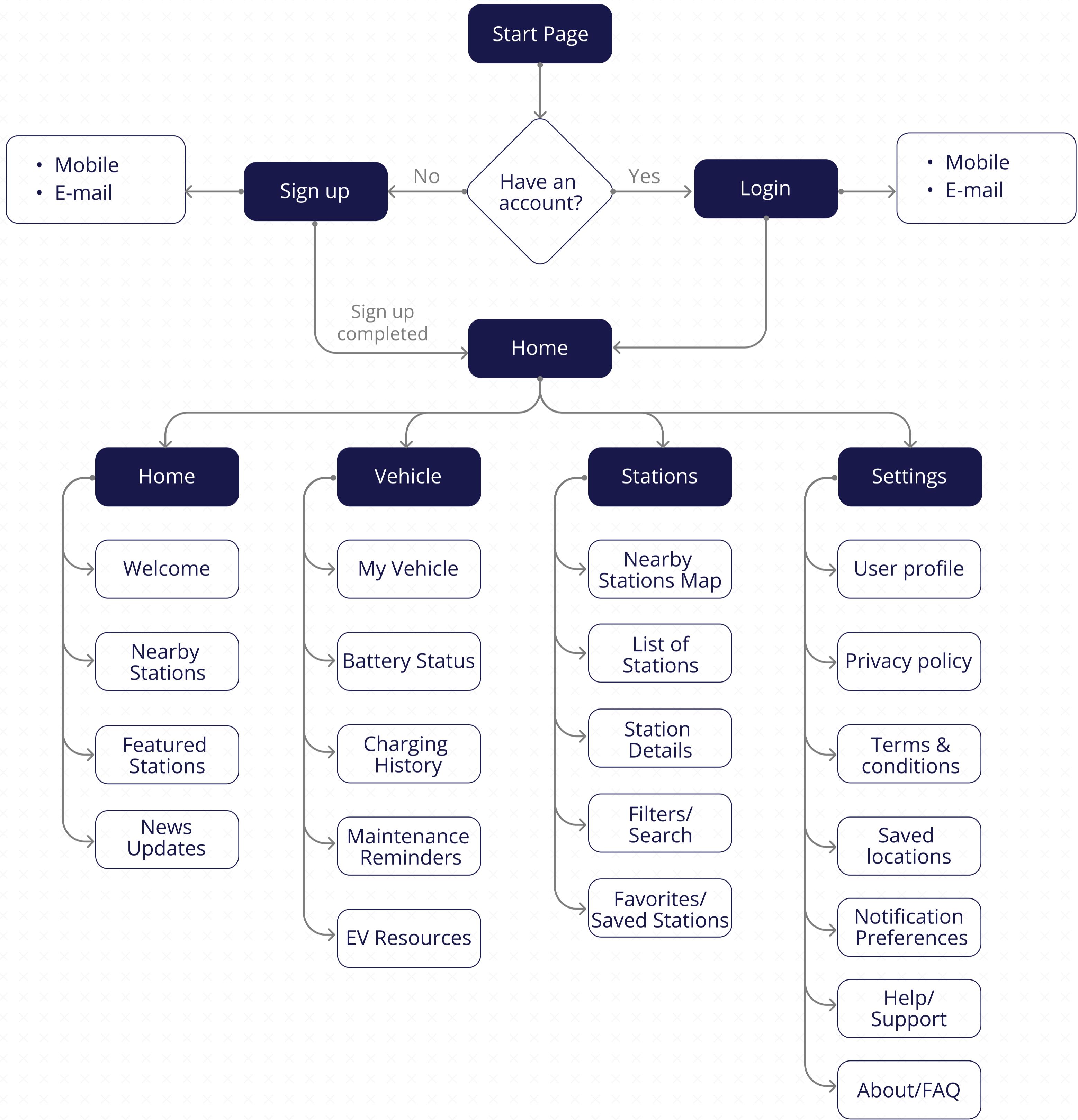


Design

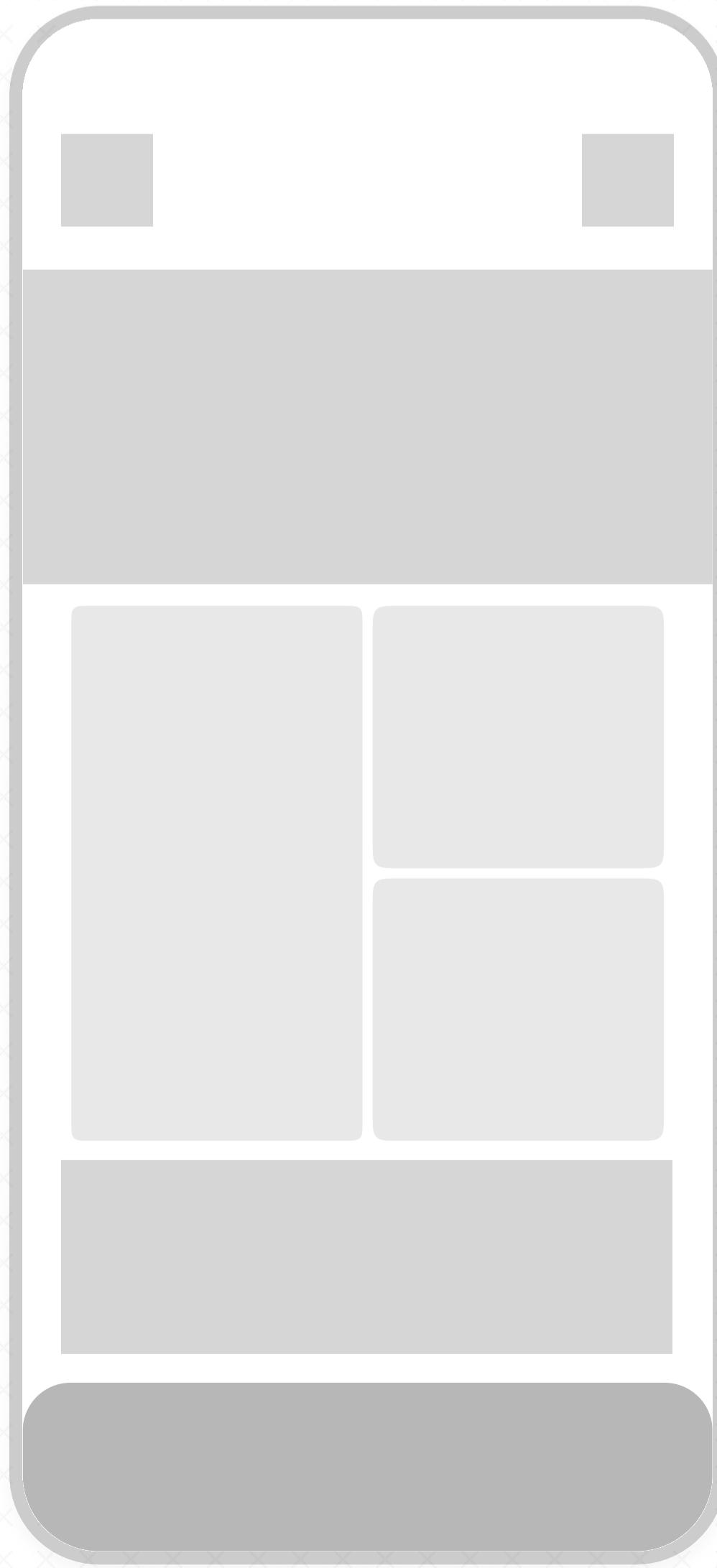
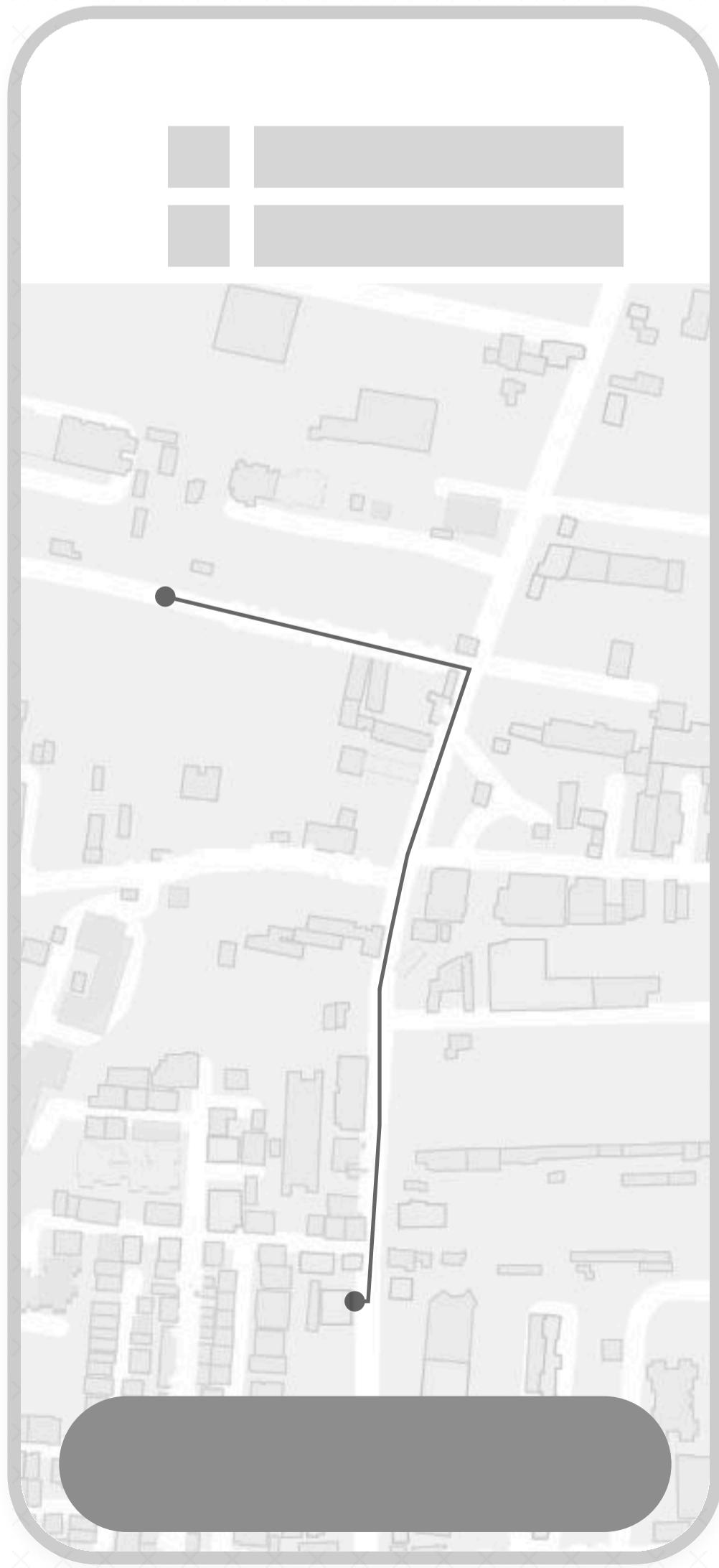
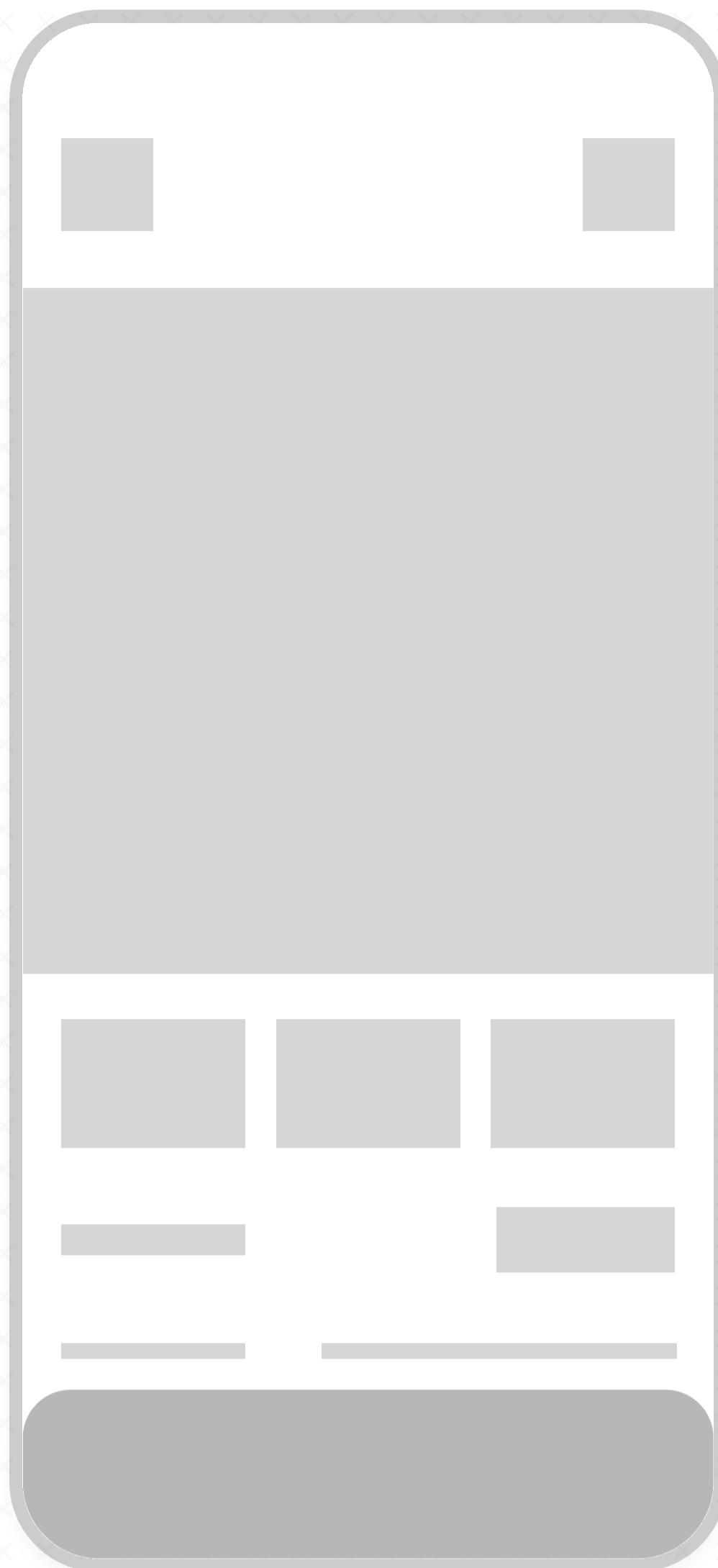
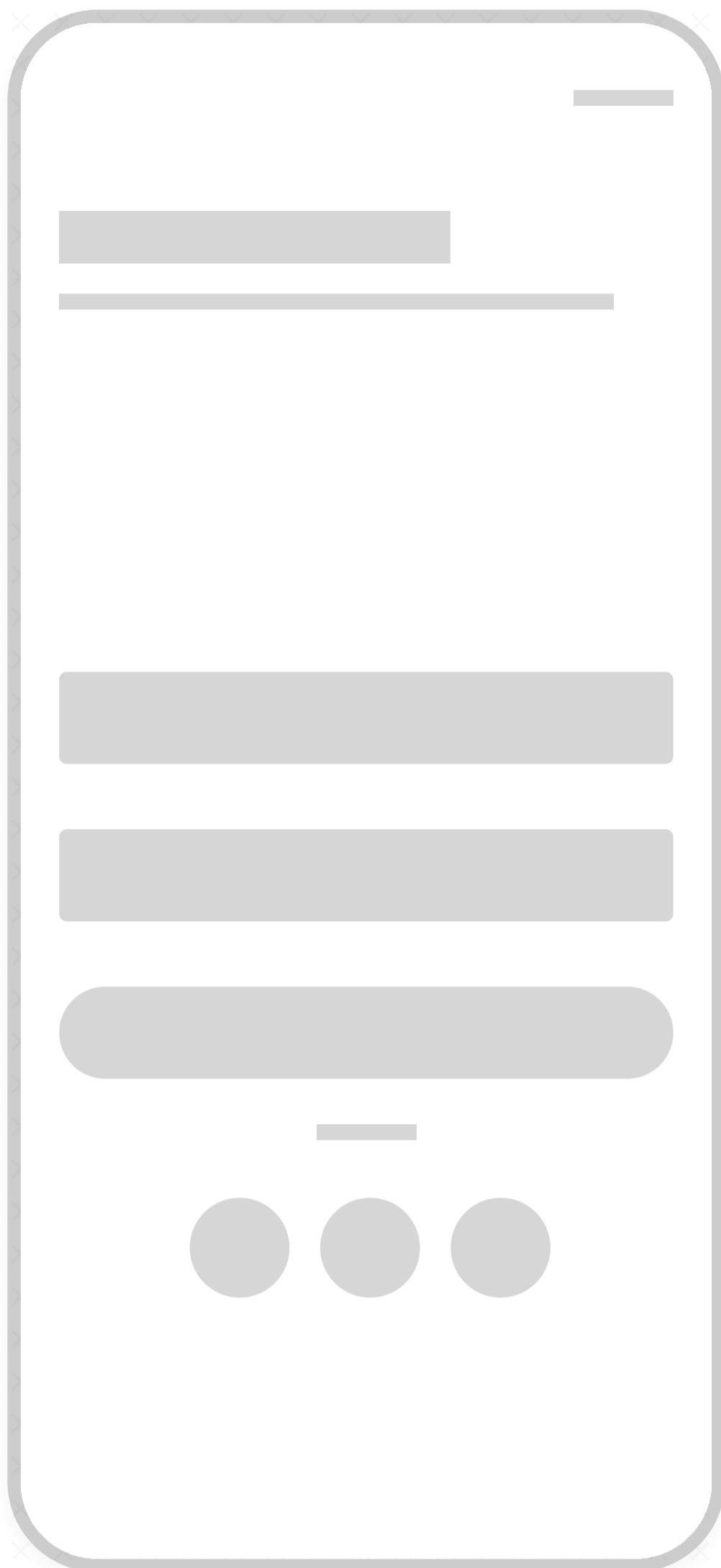


Test

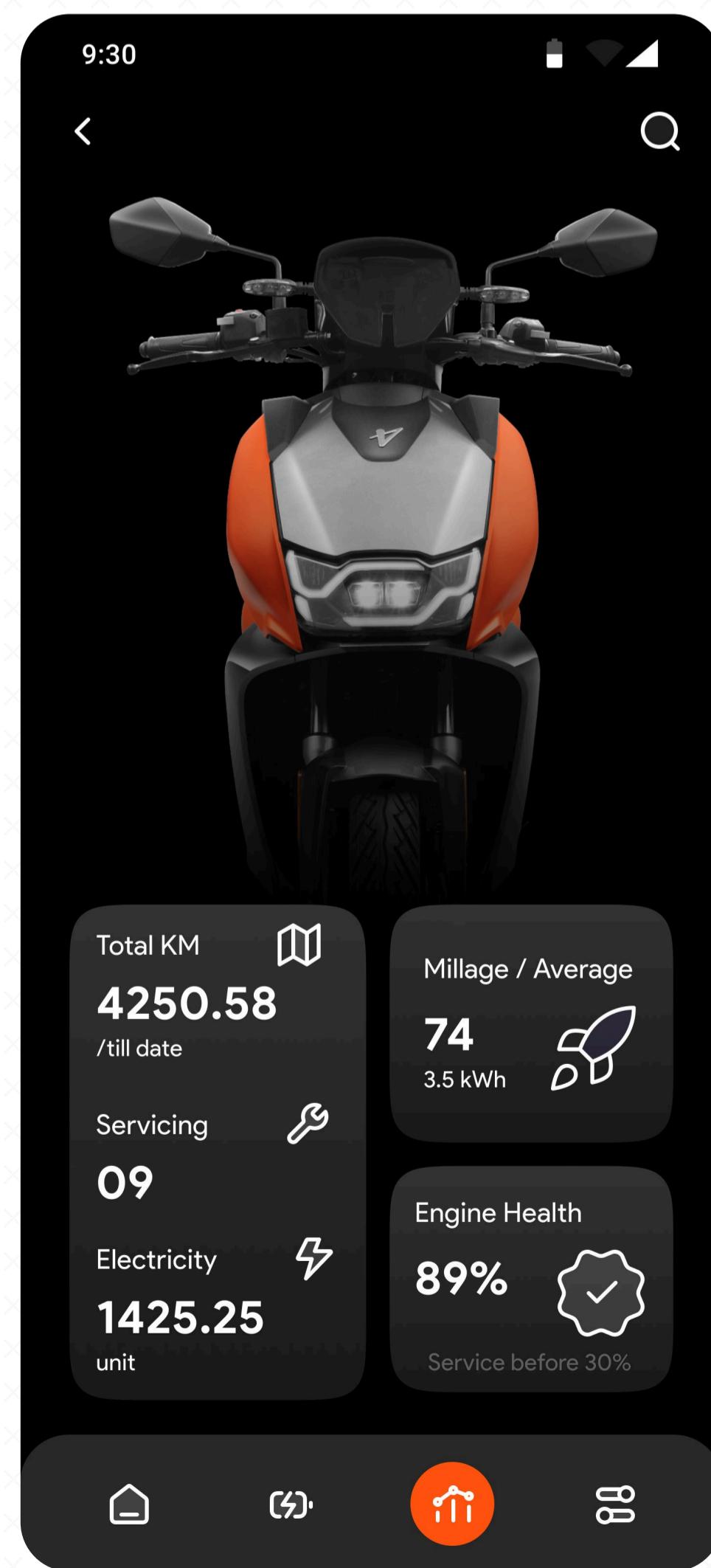
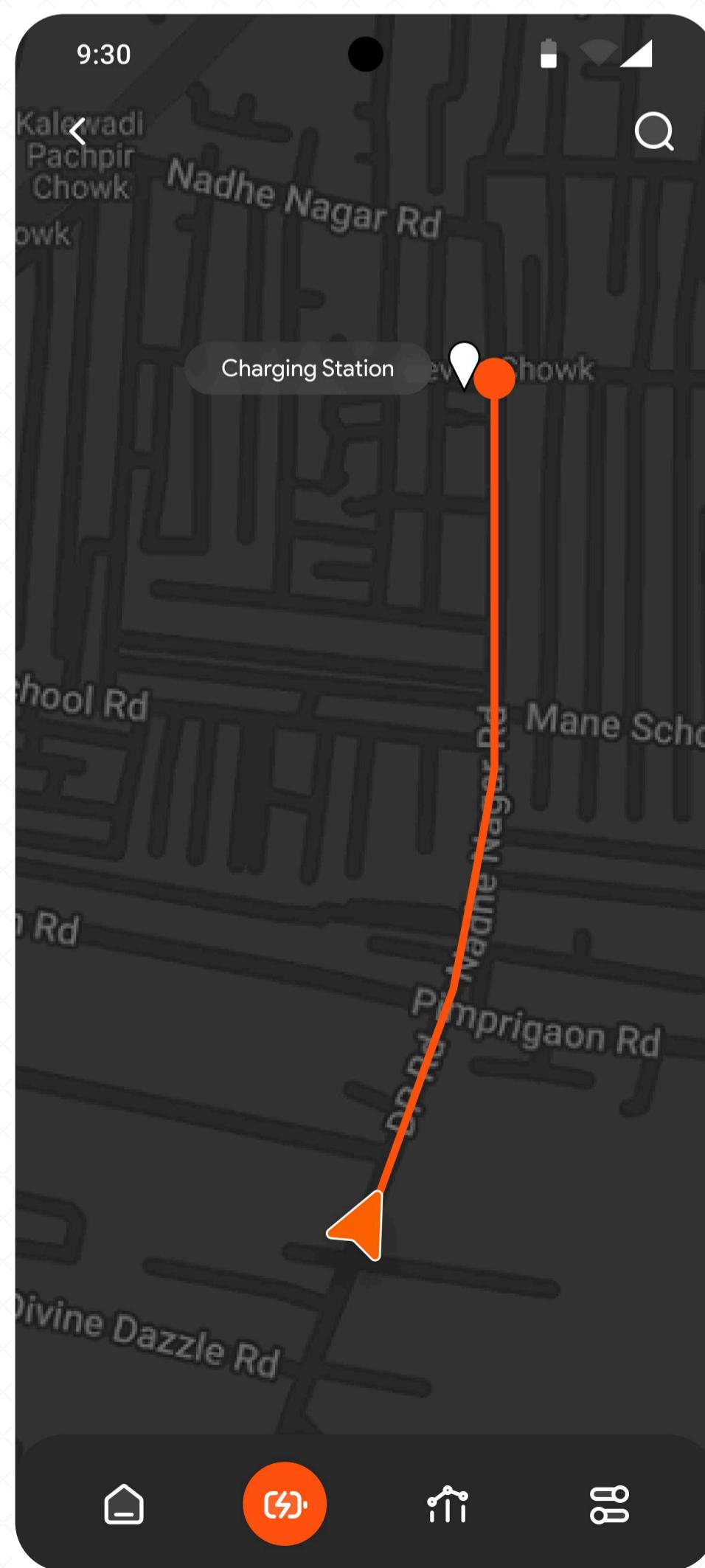
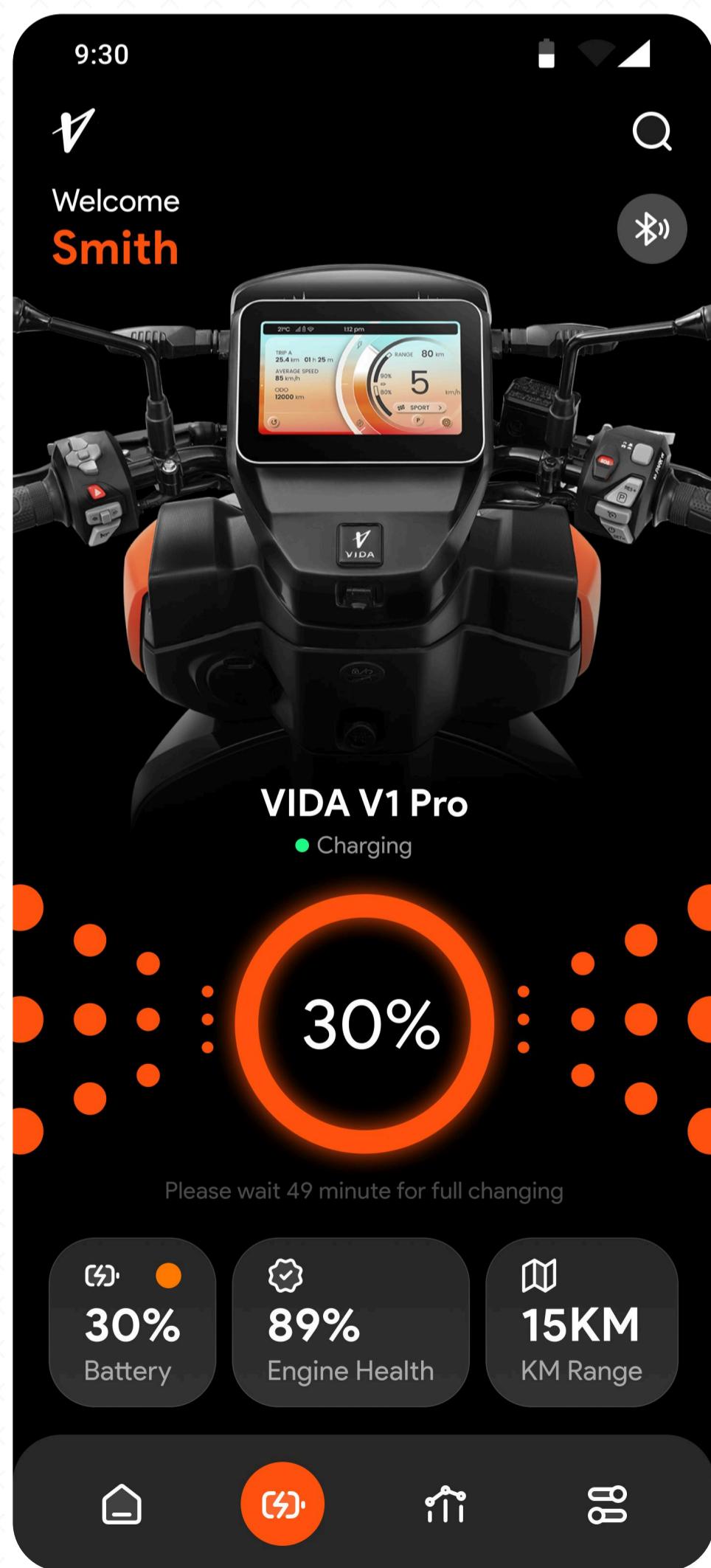
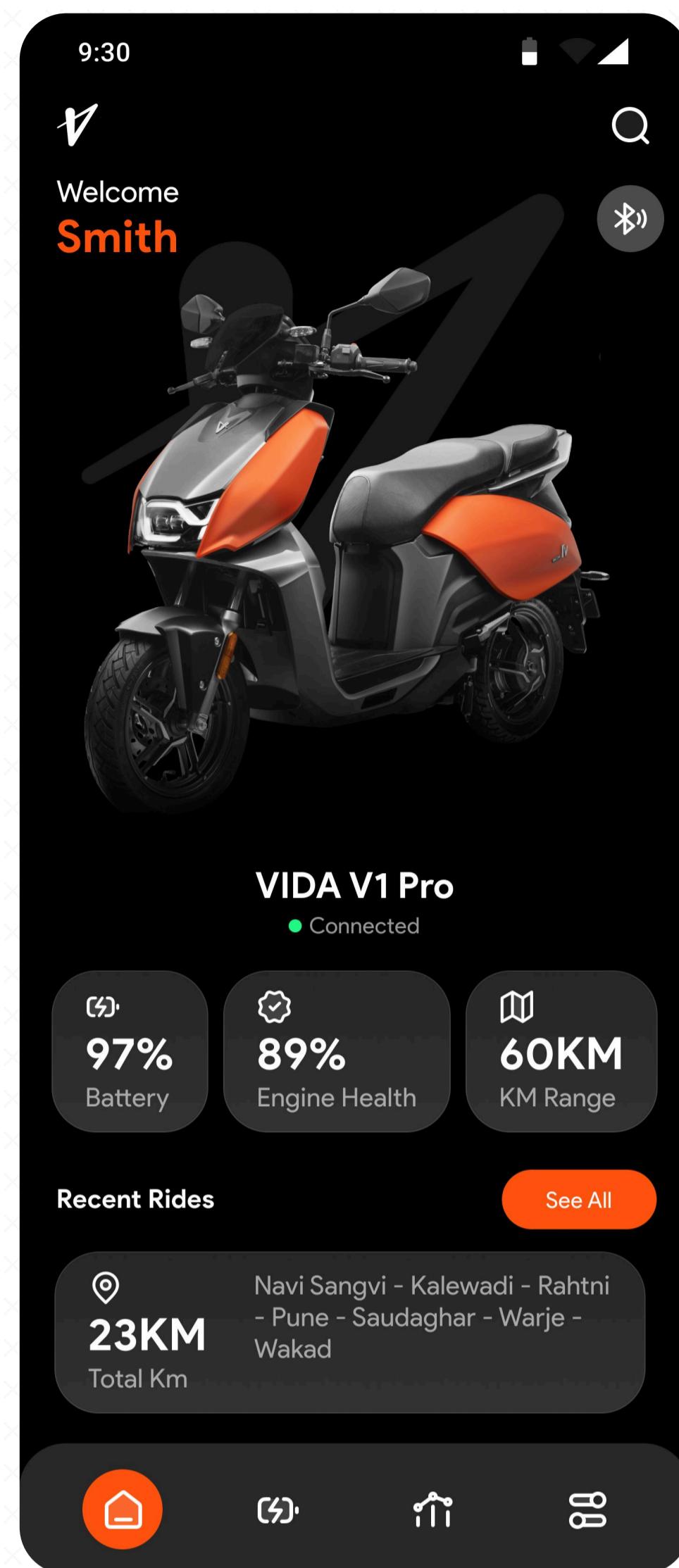
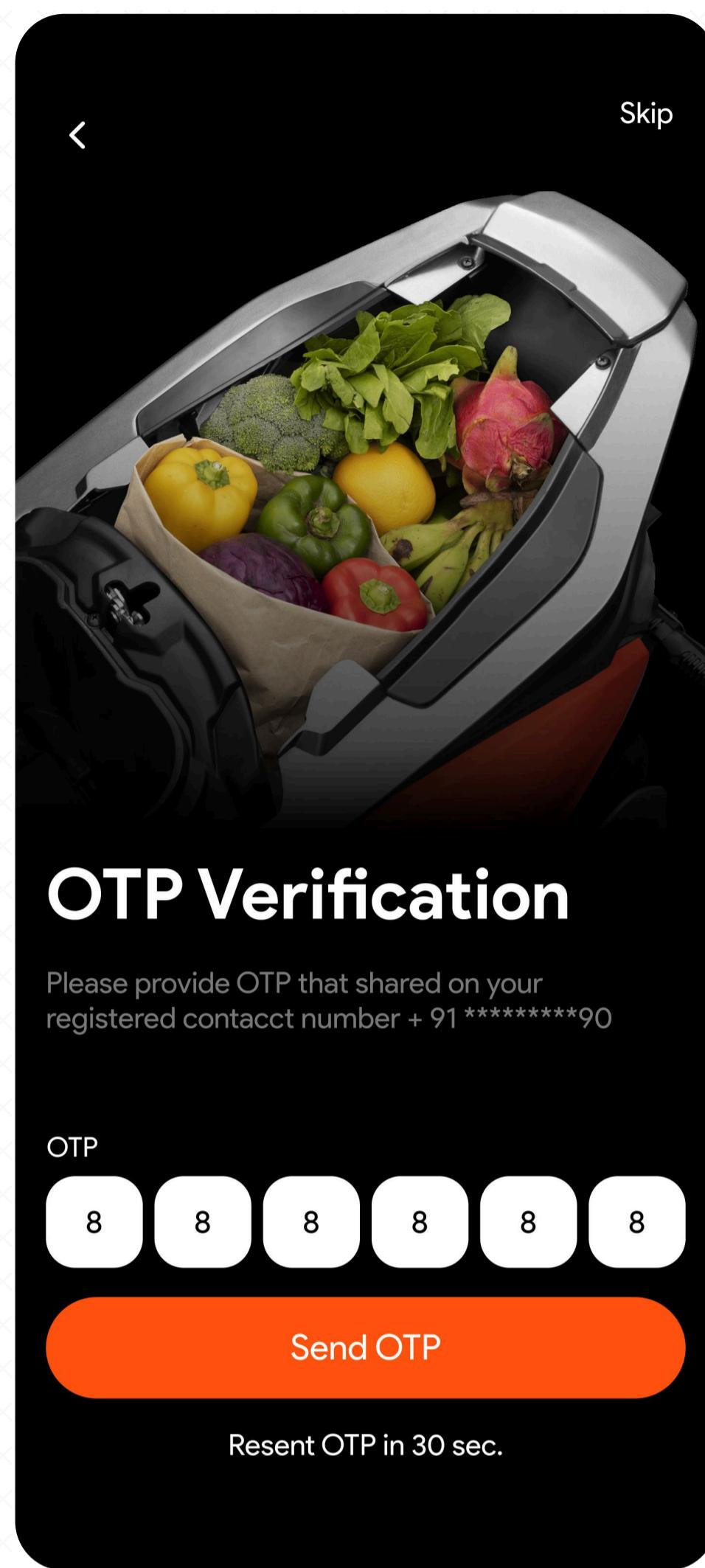
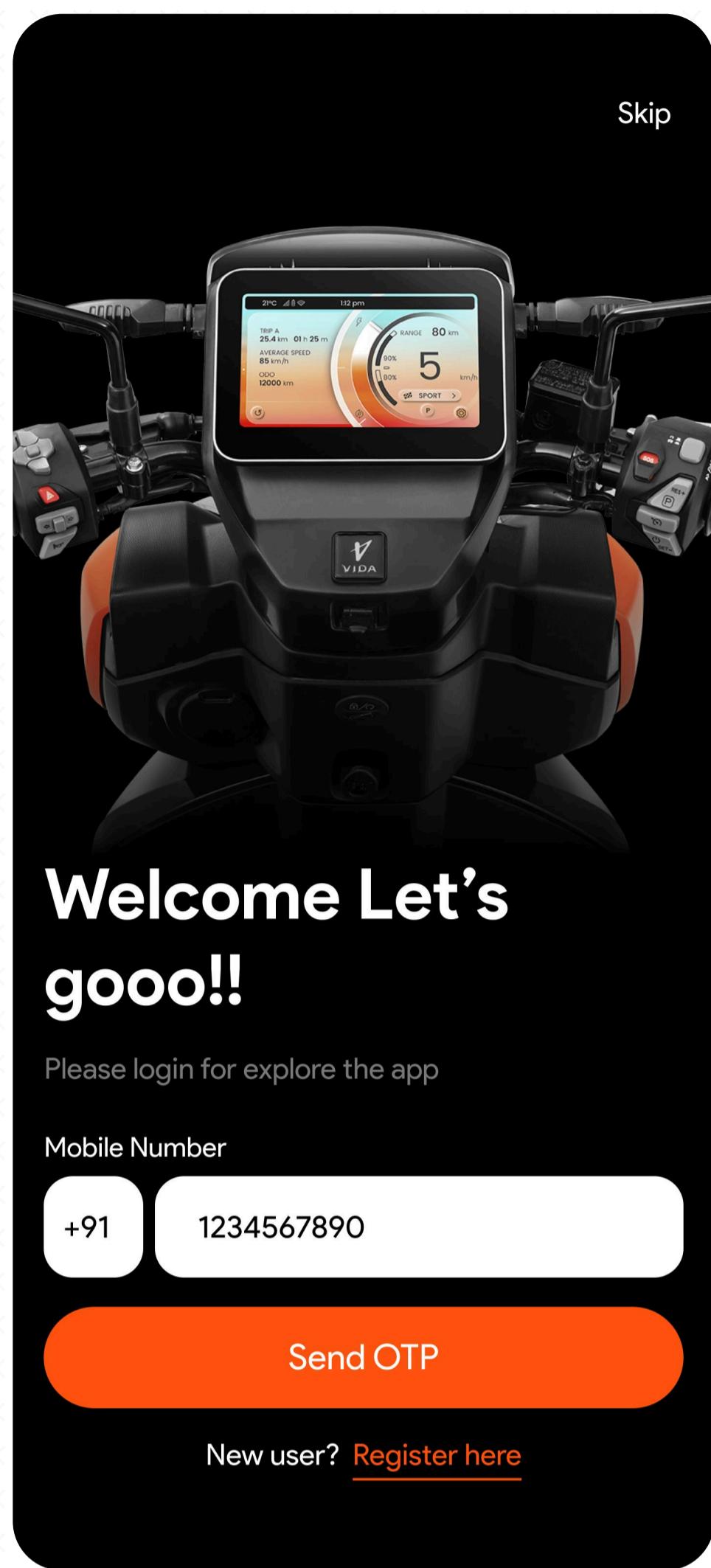
Information Architecture



Low Fidelity Wireframes



Visual Design



Thank you for viewing