

# 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.