

Team - 37

Requirements:

1. User registration and login: Users should be able to create an account and log in to the app.
2. Parking map upload: Administrators should be able to upload parking maps in a variety of formats (e.g. PDF, JPG, PNG / not finalized yet).
3. Search and filter: Users should be able to search and filter parking options based on location and floors, etc.
4. Administration panel: Administrators should be able to manage parking maps from a web-based panel.
5. Mobile-friendly design: The app should be optimized for mobile devices to allow users to access it on the go.
6. Security: The website should implement appropriate security measures to protect user data and transactions.

Project Scope:

The purpose of this project is to develop a website that allows mods to upload parking maps and the users to order charging on location. The app will provide users with the ability to call a charging robot to their location. The website will be accessible to mods via a web browser and will be optimized for pc devices. The website will be administered by a team of mods who will be responsible for managing parking maps.

Assumptions:

- Access to a hosting service for website deployment
- The availability of necessary resources such as images and data
- All other necessary information and content will be provided
- All needed APIs would be provided from the ROS side.

Constraints:

- Integration with any 3rd party services will be at an additional cost (like finances, external APIs, etc)
- Not sure how to exactly upload the boundaries of parking space.