ParkRight – Smart Parking Slot Finder & Booking  
  
  
App Proposal Document: ParkRight

Internship: Mobile App Development with Flutter (Early Remote Internship)

Intern: MAD Team 31

Submission Week: Week 1 - App Proposal, Wireframes & GitHub Setup  
  
**Purpose of the Application**:  
  
Locating a free parking space in traffic wastes time, energy as well as patience, particularly in campuses where it is normal to find a lot of traffic jams in the parking lot during classes and events.   
ParkRight is a mobile app which aims to streamline the process of parking amongst the students, staff and the college administrators.   
The app allows drivers to:

* Find vacant parking spaces in real time.
* Compare possibilities in terms of price, distance, and parking regulations.
* Make a reservation ahead of time.
* Use hassle free built-in map integration to locate the spot you are booked in.
* The app provides convenient features to advertise, control, and track the availability of spaces to parking lot administrators, decreasing the line stated at the entrances and increasing the efficiency of the utilization.

Primary Users (Learners / Drivers):

* College students, faculty, and staff who desire any parking spots available on campuses.
* Attendees to campus events occasionally.

Needs:

* Live parking space availability.
* Fast and efficient navigation to booked points.
* Affordable prices and safe destinations.

Secondary Users (Admins / Parking lot Owners):

* Campus facility managers/ parking lot administrators.

Needs:

* Easy dashboard to operate parking slot information (availability, cost, timing).
* Live information about slot occupancy.
* The information about the use of lot to enhance operations and income.

Key Features

|  |  |
| --- | --- |
| Feature | Description |
| Real-Time Slot Detection | See real time availability of parking spots around. |
| Map-Based Interface | View parking locations and distance and navigation. |
| Book in Advance/ Reserve | Reserve a parking slot in advance to arrival Limited period. |
| Digital Permit and QR Code | Obtaining a digital pass of entry. |
| Secure Payment Gateway | Pay with card or campus ID. |
| Parking History | Keep a history of past reservations and payments. |

**Short User Journey:**  
**User/Driver Journey**  
  
Splash → App intro  
Onboarding → Feature overview  
Login / Sign Up → User verification  
Add Vehicle → Enter car info  
Home Map → View nearby slots  
Select Location → Check availability  
Choose Slot → Pick time & rate  
Payment → Secure checkout  
QR Code → Digital entry pass  
Scan at Gate → Easy access  
Park → Occupy reserved slot  
  
  
  
  
**Admin Journey**  
  
Login → Admin authentication  
Dashboard → Overview of lots  
Slot Status → Track live occupancy  
Edit Slots → Update price/timing  
Monitor Bookings → Check active users  
  
  
 **Wireframe Design**   
  
Link - <https://www.figma.com/design/DgMsmf9gNq2AjGFZ8iqopb/MAD-Team-31?node-id=0-1&t=0DIiXRJG0E4RrAfa-1>