

Project Proposal

For

Book My Space

Version 1.0

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1.0 INTRODUCTION

1.1 Scope

Book My Space is a web application for **online vehicle parking slot booking and its management**. In this era where everything we want / need can be booked online and beforehand to get rid of last minute hassle. If we want to see a movie we can book a ticket online and choose our desired seat, we want a pizza we can get it online. So why not build a platform where people can just search for the area they are going and look for the nearest parking lot, book a slot in advance, and also contact-less (viz, very important in these times). This platform could be used for all types of vehicle. Now not only the customer can book their slot. But apart from the major parking lots like the ones in malls and theatres which are already registered in google maps and people know about them but the small & local ones that people don't know about can also register themselves as the parking lot manager with all the info and get their business on track.

One other main impact we can get from this project is that once we have the data that these many parking slots are there in the city and number of registered vehicles in the city. With proper guidelines and rules the government will be able to tackle the traffic jam crisis more efficiently.

- TYPES of USERS: we will have 2 types of users.
 1. Customer: one who is looking to book a slot.
 2. Parking lot manager: one who owns/manages the parking lot.
- FEATURES: here is the overview of features we are looking to implement in this project
 1. Parking Lot search: users looking to book a slot can search for parking lots using their address or GPS, and then filter the results based on rating, security, price, distance....etc.
 2. Payment gateway: users will be able to make online payments as well.
 3. Register parking Lot: parking lot owners will be able to signup and register/update their parking lot with information(like number of slots, price, timings...etc). And they can also manage their bookings via this platform.
 4. Feedback mechanism: we can also have some sort of feedback mechanism to maintain rating and customer service of all parking lots to help users find the best parking lot.

1.2 Technologies to be used

- FRONTEND: HTML, CSS, JavaScript (we can also use reactJS if there's a need)
- BACKEND: python, MySQL, FLASK/django(for framework) (and anything else if there's a need)

● **Definition, Acronyms, and Abbreviations**

Examples

- CSR – Consumable Stock Register, this register will contain the list of consumable items.
- DSR – Durable Stock Register, this register will contain the list of durable (non-consumable items)
- SR – Stock register
- CCAID - Computer Center Asset Identifier

1.0 References

Not available at the moment