

# **Book My Spot**

**GAHDSE19.2**

**Final Project Proposal**

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## **Introduction of the Company**

Book My Spot can be categorized as an online agency that gives business opportunity to people who have a free land available for parking, on the other hand for the drivers/riders to search for a parking space wherever they go. This will be basically an android app which will enable the people to get registered on the app either as an entrepreneur who can rent out their freely available land or as a customer who is in search for a parking slot. To put this into function this needs to be administered by an admin panel which will require an additional web application, through which the entrepreneurs can join the company as well as the ordinary people who want to make use of the app.

## **Problem Definition**

The current problem lies in the situation where people struggle to park their vehicles safely in most of the places, which adversely results in domestic people getting disturbed by unknown vehicles being parked right at their gate or occurrence of road traffic due to undisciplined parking of vehicles all over the road. The technical problem of this circumstance is not having an online system to manipulate this condition. Even some of the biggest super markets and companies do not have a parking space for their customers. The problem can be observed commonly around schools too.

## Proposed Solution

- Scope of the system (System scope)

The entrepreneur can make a request to join the company through the web application or the android app. The admin panel will get notified at such a request and can look into the details provided. To prevent any possible social conflict that might arise in the future, the admin has to verify the details of the land owner. By which means the land owner has to confirm his address and the ownership to the land. For this, someone from the admin panel will be sent to the location. After getting registered on the app, land owners will be given a short period of time to set up the location in a way it meets the company requirements. The land owner has to state how many parking slots available to rent for separate types of vehicles (ex. Cars, motor bikes), which they can extend the number in the future if they need. The successful registration of a land owner enables their profiles to be visible for the people who join the company as a customer. They must pay a fixed monthly rental for the 'Book My Spot' company to keep their business going on.

A customer can join the company through the app with basic details. Phone verification is required by the customer to get registered on the app. A customer can input a specific place and the app will suggest the available nearby parking slots. The customer can book a parking slot and secure a space for a specific time. If the customer does not arrive by the time he books, the booking will be automatically cancelled. The customer is given the chance to cancel the booking before it gets automatically cancelled. Otherwise he will be charged a penalty on his next booking. Unusual activity of a customer can be restricted by the land owner if the customer is having cancellations frequently. The customer will be charged an hourly rate for the service. The completion of the payment will make the parking slot available again.

- Objectives

The main objective of this system to provide a hassle free environment when it comes to vehicle parking. This also create business opportunities for people who want to make the best use of their freely available land. The use of this system will reduce the traffic of the roads as well.

- Functional Requirements of the system

The land owners and customers need to verify their phone numbers.

Admin panel will have to enable or disable the visibility of a land owner's profile.

Land owners should be able to remove a customer from the system.

- Non functional Requirements of the system

The admin panel will need to verify the address and the ownership of the land owner.

**Proposed Technologies**

Android studio or a suitable framework will be used to develop the android app. The app will be java based.

HTML, CSS, PHP and JavaScript or a suitable framework will be used to develop the web application.

## **Hardware Requirements**

For the development of the app, a PC would be required which is sufficient to run android studio.

A server will be required.

Land owners need to have a smart phone to carry on the business actions.

## Project Timeline

[illegible]