

PYTHON PROJECT REPORT
PROJECT TERM March-2022 AttainU-FSD

CAB BOOKING SYSTEM

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1. 1.INTRODUCTION – Online Cab Booking Management System is developed to manage all cab hiring work online. It useful for car booking agency that are specialized in Hiring cabs to customers. Using this system many cab-booking agencies are moving ahead to become a pioneer in the vehicle rental industry by completely focusing on customers. Using this system, it is very easy for customer to book a car online and cab-booking agency can also track their booking online. So, it is also very useful for car booking agency. It is an online system through which customers can view available cabs; register the cabs, view profile and book cabs. Mostly peoples use cab service for their daily transportations need. Cab booking agency can also check which car is free for booking and which cars are on booking at present time. The objective and scope of my project Online Cab or Cab booking System is to record the details various activities of user. It will simplify the task and reduce the paper work. Using this car booking management system car owner can also become partner of car booking agency by giving their car for booking. bookings and customer information. User can book cars and admin can confirm the booking and cancel the booking on the basis of availability of the cars and drivers. We

have developed this system to produce a web-based system that allow customer to register and reserve cab online and for the company to effectively manage their Cab hiring business. Presently car booking agency do all work offline when a customer comes to them, they take the booking order and call the car driver to check their availability with their car if they manage to find a car for booking, they confirm the order otherwise they cancel the order as they have no car for the booking. This process wastes a lot of time of customer and also of car booking agency and it also give bad name to the agency but with our system car agency can confirm the order within a minute by checking the availability of cars for booking. So, this car booking system is helpful to ease customer's task whenever they need to rent a cab or hire a cab. The proposed Online Cab Booking project system ensures that the users can book the cab as per their requirements by on to the website. It allows users to book their cabs online, login

2. KEY FEATURES:

Signup Process - The basic design architecture of your application is to keep everything simple and user friendly. The same should hold true for sign-up page. Before using the application, it is mandatory to have a registered account with the platform. The overall process should be minimalistic keeping in mind the mobile nature, and requests only most critical information such as

- Name
- Model
- Password
- Mobile number

- Identity Number
- Car details (In the case of driver)

User Centric Booking Process - After the completion of registration process, the users can be taken to the main screen where they can easily pick a ride for themselves. Here are the most noticeable points in the cab booking process:

- Search option to enter a desired pickup location.
- A detailed map to see their selected location.

Locations saving feature User can also select and save their favorite location which can be accessed easily. This is beneficial in cases when you seek ride to or from a location on a regular basis. Features related to most frequented destinations and routes will add to app usability and makes cab booking easy for riders

Cab confirmation If the user chooses to book a ride right away, then, they are shown a confirmation screen which also has detailed information regarding the rate card and ride estimate. It also offers users to apply for discount via coupon codes. Pick a clone script that has cab scheduling and confirmation related features.

Estimated time of arrival As per services offered in the vicinity of the user, the application should show the options of choosing the cab along with their estimated time of arrival (ETA). This is highly beneficial feature as the user is made aware of the time frame from very beginning.

Transparent booking process One of the deciding factors that would make any online cab booking service a hit among users is the transparency in pricing. All the information related to the fares should made available to the user in a clear manner. Advanced booking For users who want to book the ride for a later stage, a pop-up box can be shown, where they can select the date

along with the desired time. 3.2.9 Ride details Once the booking is confirmed, users are able to see the current location of the cab and the estimated time of arrival. Other details available are:

- Name and Phone number of the driver.
- Cab Number, Cab model name and Color

Emergency Contact - In order to ensure safe and hassle-free rides, the platform has provided with a security feature in our application where users can add contact details of any person.

3.PYTHON FILE

- Main.py
- Database file
 - Driver.py
 - Rider.py

4.LANGUAGE USED

*PYTHON WITH TKINTER LIBRARY

* PYTHON VERSION 3.10

* DATABASE – SQLITE FOR DATA STOREAGE

* PYTHON APPLICATION

5.FUTURE ASPECTS

* I WILL ADD MORE FUTURE USING FRONT AND BACKEND FUNCTION.

* CREATE IMAGES FROMATE FUNCTION, DATA FAST FECTER FUNCTION,

*AND OTHER MODERN FUTURES USING TKINTER AND GUI PROGRAMS

