

Online Cab Booking

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Abstract: Cab booking is a common kind of transportation provided by several transportation companies in a given city. The majority of individuals rely on cab services for their everyday transportation requirements. The firm must be registered and meet all of the transportation department's criteria and security standards. The Online Cab Booking System is a web-based platform that enables your clients to book taxis and executive taxis from the convenience of their own home or workplace. The platform should have an administrative interface via which the taxi business can control the content as well as access all reservations and customer data.

Key Word : Online Cab Booking

I.INTRODUCTION

Cab Booking/Hiring is a method that may be utilized for a price for a limited of time. People who do not have access to their own personal or do not own one at all can travel around by renting a car. Individuals who wish to hire or rent an automobile must first contact the vehicle's cab rental business. This may be done over the internet. This individual must now provide certain information, such as the rental and automobile type. Following the completion of these data, the person renting the automobile must produce a valid identification card. The majority of enterprises in the sector earn based on the sort of automobiles they sell. Customers can use an online booking system to rent cabs. Customers may use this online system to find available taxis, register cabs, see profiles, and book cabs. Taxi booking is a typical kind of transportation that is offered by a number of different transportation firms in a particular city. The bulk of people rely on taxi services for their daily transportation needs. The company must be registered and fulfil all of the transportation department's requirements and security requirements.

II.MATERIALS AND METHODS

Consumers will be able to order a cab based on their requirements by logging on to the projected Online Cab Booking project website. Customers may book taxis online, make changes to their arrangements, and cancel them at any time. Users will be notified of the driver's location and phone number, which will allow them to contact him. On a frequent basis, the customer is updated on their bookings, driver details, and booking status. The user can also make suggestions or ask questions in the feedback box.

The present Online taxi Booking project approach needs a large lot of physical and mental labor whenever cabs are ordered manually over the phone. Many errors, such as inputting the trip date, time, and location inaccurately, are manually registered in a register by an employee, increasing the chances of misregistration. There is no clear communication between drivers, passengers, and the office due to traffic and misunderstanding problems, leading in a denial of service. In the current system, there is no application that alters the state of taxi availability. Local consumers are also not notified when a vehicle comes to their neighborhood to do service. In this, we provide our planned job analysis and business proposal, which very broad project plan and some cost estimates. A feasibility assessment of the proposed system is to be carried out during system analysis. This is to guarantee that the planned system will not cause the organization any problems. A basic grasp of the system's primary needs is required for feasibility analysis. A visually appealing design and a user friendly interface are required for the Online Cab Booking system. An application should be well defined, with a significant emphasis on design and user Interface, as well as being user friendly, to appeal to the target market.

Procedure methodology

Consumers will be able to order a cab based on their requirements by logging on to the projected Online Cab Booking project website. Customers may book taxis online, make changes to their arrangements, and cancel them at any time. Users will be notified of the driver's location and phone number, which will allow them to contact him. On a frequent basis, the customer is updated on their bookings, driver details, and booking status. The user can also make suggestions or ask questions in the feedback box.

As soon as the user launches the application, he could come across a well-defined user guide. It covers each and every aspect of the cab booking process, making it easy for first time users to perform core tasks. Such guides are crucial to introduce app users to important mobile features and action process.

1. Sign up 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
- Email
- Password
- Mobile number
- Date of Birth
- Identity Number
- Car details (In the case of driver)

2. 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
- GPS feature to detect current location
- A detailed map to see their selected location.

3. 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.

4. 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.

5. 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.

6. Fare precision - The option available to the users in the form of “Ride Estimate” shows all the details related to the approximate time travel and the estimated cost to the user. Giving a clear idea of fare and pricing can help your clone score additional points.

7. 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.

8. 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

9. Ride feedback-After reaching the destination, user can be prompted with the screen showing the total cost and distance travelled. With the focus on user engagement, the platform can request the users to give their feedback on the ride experience. This not only rates the driver for future reference, but helps the company in discovering the level of customer satisfaction.

10. My Rides-This feature shows the detailed list of all the bookings undertaken listing upcoming and well as completed rides. This helps in keeping track of all the rides booked by the user and driver. Admin can also view all the booking details.

11. 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.

12. Emergency button – Offered an emergency button in the application which sends the ride details as well as current location to a pre-defined contact in case of emergency. This is highly vital security feature and can boost user confidence.

13. FAQ Section-Online cab booking service is still in its nascent stage in India due to which users are full of queries. A comprehensive FAQ section covering common cab booking queries is exist to enhance rider experience

Statistical analysis

This phase formally defines the detailed functional user requirements using high-level requirements identified in the Initiation, System Concept, and Planning phases. It also delineates the requirements in terms of data, system performance, security, and maintainability requirements for the system. The requirements are defined in this phase to a level

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of detail sufficient for systems design to proceed. They need to be measurable, testable, and relate to the business need or opportunity identified in the Initiation Phase. The requirements that will be used to determine acceptance of the system are captured in the Test and Evaluation Master Plan. The purposes of this phase are to: Further define and refine the functional and data requirements and document them in the Requirements Document, Complete business process reengineering of the functions to be supported (i.e., verify what information drives the business process, what information is generated, who generates it, where does the information go, and who processes it), Develop detailed data and process models (system inputs, outputs, and the process. Develop the test and evaluation requirements that will be used to determine acceptable system performance.

III. RESULT

In this step, we provide our planned job analysis and business proposal, which includes a very broad project plan and some cost estimates. A feasibility assessment of the proposed system is to be carried out during system analysis. This is to guarantee that the planned system will not cause the organization any problems. A basic grasp of the system's primary needs is required for feasibility analysis. A visually appealing design and a user-friendly interface are required for the Online Cab Booking system. An application should be well-defined, with a significant emphasis on design and user interface, as well as being user friendly, to appeal to the target market.

Login Page:

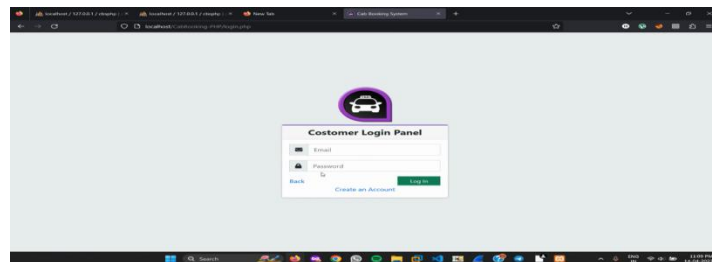


Figure 1

Registration Page:

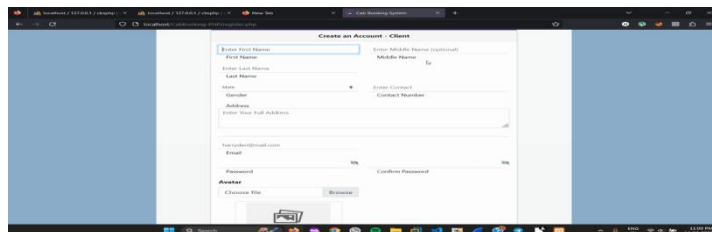


Figure 2

Available Cabs:

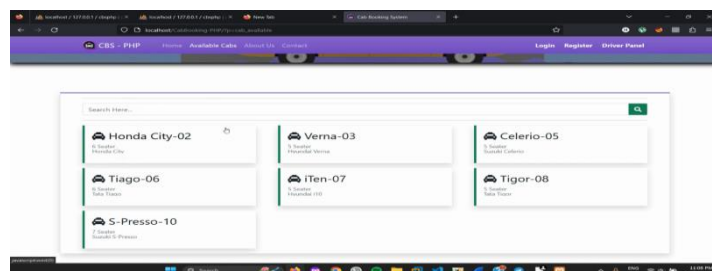


Figure 3

Enter Location:

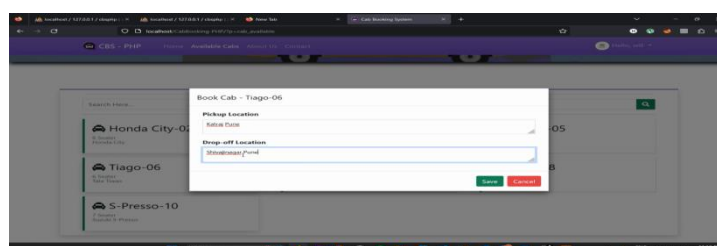


Figure 4

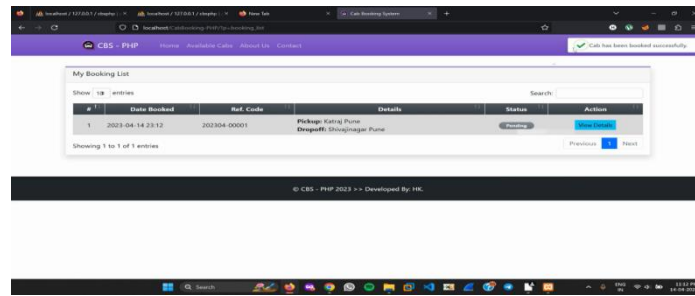
Cab Info:

Figure 5

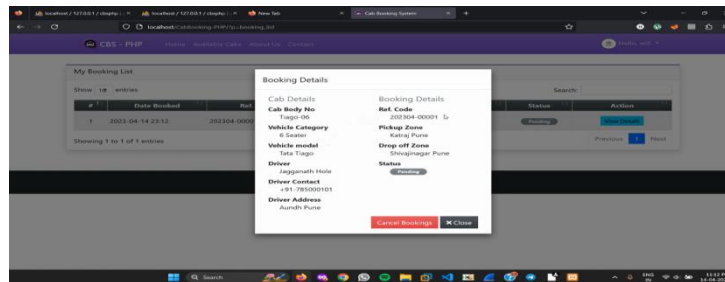
Confirmation Page:

Figure 6

Home Page:

Figure 7

IV. DISCUSSION

It is quite difficult to travel physically from one location to another in today's world, and it is even more difficult to get from one location to another if someone is travelling from afar and is unfamiliar with the city. As a result, the establishment of an online auto booking service will assist individuals in booking a cab for their preferred location and vehicle. When you sign up for a car booking service, you will have the option to pay online and, in certain cases, you will receive a free one-time service. This is an online Android software that allows any car driver to become a member of the service and participate in it. When it comes to the future scope of our taxi booking application, it already has a lot of functions, but we can add more in the future, such as voice help, so that users may book their rides in minutes. With this chat bot function, which gives consumers with a 24x7 helpdesk option for any concerns and an SOS tool for women in the event of an emergency.

V. CONCLUSION

Customers can use an online booking system to rent cabs. Customers may use This online system to browse available taxis, view profiles, and book cabs. Taxi Booking is a typical kind of transportation that is offered by several Different transportation firms in a particular city. Customers may use this online System to browse available taxis, view profiles, and book cabs. The bulk of People rely on taxi services for their daily transportation needs. The company Must be registered and fulfil all of the transportation department's Requirements and security requirements.

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