

Approach Note

Introduction:

Suppose a person is in a hurry to travel to another place. In most of the scenarios, it's really difficult to find a transport vehicle at that particular point of time. Although there is public transport like busses, auto-rickshaws, these cannot be available 24/7 and a person cannot predict when a bus or an auto-rickshaw is going to arrive and even if they find one(in-case of auto-rickshaws), drivers charge more than it actually was, for the whole trip.

Heaven On Wheels transportation services is developed to provide transport for the people by making it easy to book a cab/bike/auto-rickshaw online using the existing internet technology. This is a two-way benefit for both the customer and the driver. For the customer, they could easily book a vehicle using a mobile from almost any location within minutes. Safety is one of the main advantages for the people availing the transportation services. All the drivers we provide have completed their background checks and their identities are registered in the app.

For the driver, they get to decide availability timings, bonuses and incentive for their hard work and based on the ratings they earn from the passengers, cashless payments reducing the need to carry cash for change.

Technologies Used :

Front end of the website : HTML, CSS, JavaScript, Bootstrap

All these techstack help to display, design, separate contents from design, and make the page interactive. The frontend for this web application is designed using HTML,CSS,JavaScript,Bootstrap.

To spice up the display content make it look a bit more attractive Lottie file, Google Fonts in addition to the above languages.

Back-End : MySQL, XAMPP

To manage the database to store all the customer(a.k.a passenger) and driver details , MYSQL along with XAMPP are used .

Finally, the front end and the back end are connected using the PHP server. This enables the projects to display contents as well as handle the database related queries simultaneously.

Architecture of the Website:

At the start of our web application, the home pages consists of the services we provide and a navigation bar at the top consisting of various different options that when clicked, would redirect to their respective web pages. These options include:

- Home (To return to the home page)
- User login (Customer / Driver)
- User Registration (For new users for customers and drivers)
- Dashboard (Separately designed dashboards for customer and driver)

User Registration and Login process:

- ★ The user (Customer/Driver) can register by providing all the necessary details into their respective registration pages.

These details include:

Name of the user, Phone number, Email, Address, Date of birth, Gender, Username, Password, car type(for driver), driving licence(for driver), experience(for driver), shift (for driver).

- ★ The login page just prompts the user(customer/driver) to just enter the username and password and later-on opens the required dashboard based on the type of user. (i.e if the user is a customer, the dashboard related to the customer is displayed and the same is done if the user is a driver)

User Dashboard and Booking process:

- ★ Separate dashboards are designed for the customer and the driver respectively.
- ★ Both the dashboards contain the capability of editing information like address, availability timings etc.

★ Customer Dashboard:

- This dashboard contains the features required to book a vehicle.
- The customer(a.k.a passenger) should just enter the current location he/she is residing and the destination. After entering the required information and submitting , the application searches for all the drivers along with their vehicles nearby the current location entered by the customer.
- Customers get to select from a range of vehicles. These vehicles range from motorcycles to luxury cars.
- The price depends on the vehicle the customer selects.