Mini Project Report

Project: Web based Technology carpooling System

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Course /Sem: B.tech(cs)/3rd

Introduction:

This project is a web-based technology cab pooling system where the user pool/book a cab.

Problem statement:

Customers have to wait for taxi where it consumes time, and also unfair charges charged by taxi driver.

Solution:

We develop a website where customer can book a cab very easily and a fair charge it charged for their journey.

Motivation of the project:

The biggest motivation for this project is - in creating the website we came to learn about full stack development which is something I want to learn very eagerly.

Languages used in this project:

This project is a web-based technology project, so we use mostly all the languages of the front-end and back-end development.

Languages are:

1.HTML (Hypertext Markup language)- It is basic building block of any websites. Html is used to create the webpages. In my project I used html to create the home, about us, contact etc. many pages and not only for creating the web pages it just a provide a simple running custom website also. So basically, html is used here to build pages which interacts with the user to share information.

2.CSS (Cascading Style Sheets)-It is the another important language in front-end development .CSS is used to beautify the

webpages (by changing its property like, colour, texting size etc) or we say it changes the appearances of the webpage. CSS is used in this project to beautify the web page. We used external css file in the project.

3.JAVASCRIPT-It is programming language for the web. JavaScript can update and change both Html and CSS. It can calculate, manipulate, and validate date. In my project, I used this language to create responsiveness on the website like- (alerts, navbar responsive, jumbotron etc).

4.pHp- pHp is a server-side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. It is integrated with databases, including MySQL etc.

I used this php language to create my back end of the project along with MySQL

so the whole backend of my project is created by php.

5.Mysql- MySQL is open-source relational database management system. It creates database for storing and manipulating data, defining the relationship of each table.

I used MySQL to store my data of users and cabs route details etc.

Framework:

5.Bootstrap-Bootstrap is the most popular HTML, CSS, and JavaScript framework for developing a responsive and mobile friendly website. It is a front-end framework used for easier and faster web development.

I majorly work on this framework to create my websites, design my templates, and make it responsive.

Software (tools) used:

1. **Vscode**-Visual Studio Code is a code editor redefined and optimized for building and debugging modern web and cloud applications. I used this software to write my Html, CSS, JavaScript, php, MySQL code.

2. **Xampp-** Xampp is widely used cross-platform web servers, which helps developers to create and test their programs on local webserver.
   I used xampp to make local server of my website where I used its Apache and MySQL port to run and store and my database.

Resources Used:

1.w3schools- This is documentation site, I had study the documentation of html, css, php, java -script and MySQL from there.

This helps me a lot to the get the better understanding of these languages which are new to me.

2.Udemy course- There is an Udemy course whose author is **Angela Lu.** I also learn the front-end part and MySQL part from here. This course helps me a lot to get the clear understanding of web developments like- (how to create, how to beautify, and how to full the requirement of the client).

3.Youtube- YouTube is become my backbone in this project because many times I stuck in the problems whose solution seems to be impossible at that time YouTube make it possible. So, YouTube helps a lot in the project.

4.Teachers- Teachers plays an important role in terms of guidance in my project.

Problems encountered during the project-

1.New Domain-This is very fresh domain for me to work in. so there are many problems faced by me to get familiar with domains.

Because it needs creative thinking and analytic mindset to get best result from them.

2.Connecting front-end with back-end:

This is major problem faced my me because connecting the frontend and backend require a knowledge of php along with MySQL which is just very fresh to me.

3.Different Requirements: There were hell lot of things which are required to a pre-requist to work on any new part. So being a beginner this becomes a big problem for me to tackle that.

Final Outcome:

As final result I created a website which contains
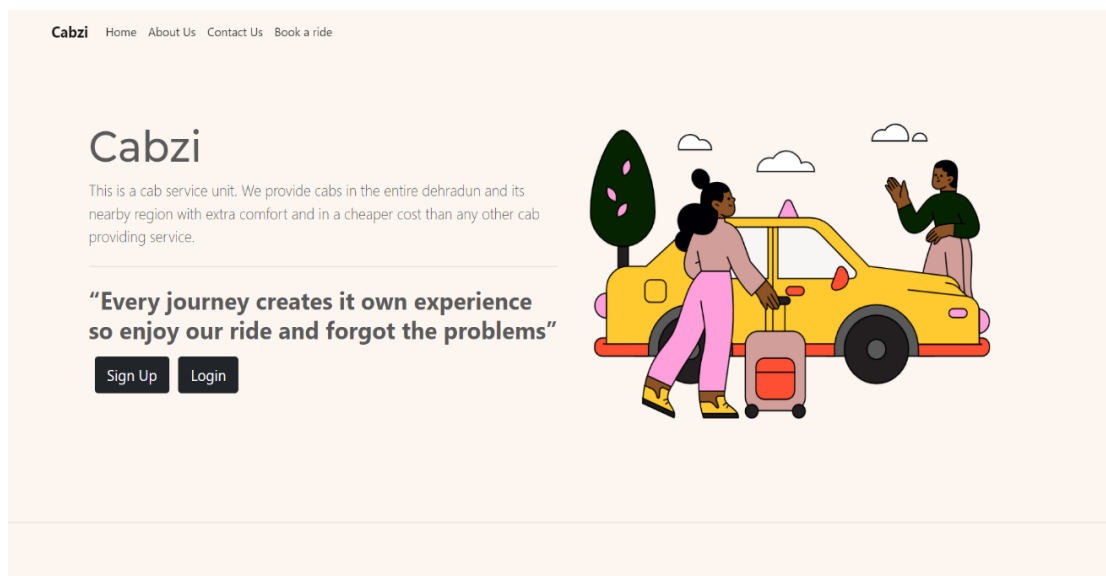
Home page

About us page

Contact us page

Sign up page

Login page

Booking page etc.

Thank you!!