GLA UNIVERSITY
Institute of Engineering & Technology

MINI PROJECT SYNOPSIS ON
CAR RENTAL WEBPORTAL

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Introduction

A project-based on Car Rental System which uses PHP language. It has a number of features that will allow all the users to interact in a way that most other car rental websites interact with their customers in terms of dealing with rentals, charges, and other management. This website as well as the web application's concept is all clear, it's the same as real-life scenarios and well-implemented on it.

About the Project

The purpose of this project is to develop a Car Rental Webportal and that webportal helps the user to get cars on rent easily just with few clicks that are so much demand in Market.

Moving on, this car rental webportal project in PHP focuses mainly on dealing with customers regarding their car rental hours and certain transactions. Also, it displays all the available cars on the home page whereas the users cannot view unavailable cars until and unless the user returns the rental car. The project is divided into two categories: Customer Login and Employee Login. In an overview of this web app, the employee has full control of the system. Talking about the project, a customer can simply log in or register their accounts. He/she can view available cars, select any one and proceed for rental after selecting various conditions, dates, etc. After all, the customer can rent a car by filling up the given forms.

The customer can view all his rental records and history once after logging onto the system. In addition, the customer needs to return the cars using the system because all the records are carried throughout the system. At last, the system prints an invoice stating all the information with total costs.

Motivation

The main purpose of this project is to create a website for car renting. This website helps the owner to maintain the car business and the user to book and inquiry about new cars in a easy way. Both the user and the admin have different rights from their perspectives as well as different credentials.

Future Prospects

The car rental industry is growing very fast and demand for this industry has increased globally in the past few years. The global car rental industry looks good and seems so many opportunities for this sector in the future. With the increase of national and international tourists in different countries, the industry is expecting more growth and bright car rental business opportunities.

- By renting a car, you can enjoy a convenient journey
- Tourist prefer car to cover the distance.

Requirements

a) Technology Used:
- HTML
- CSS
- JavaScript
- PHP for Login

b) Software:
- Xampp for Apache Server
- PHPStrom for PHP
- Chrome for Inspect Layout

c) Hardware Required:
- Ram: 8GB
- Hard disk: 500GB
- 2 GB Graphics Card For Graphical Work

d) Testing technologies :

    A. Frontend :
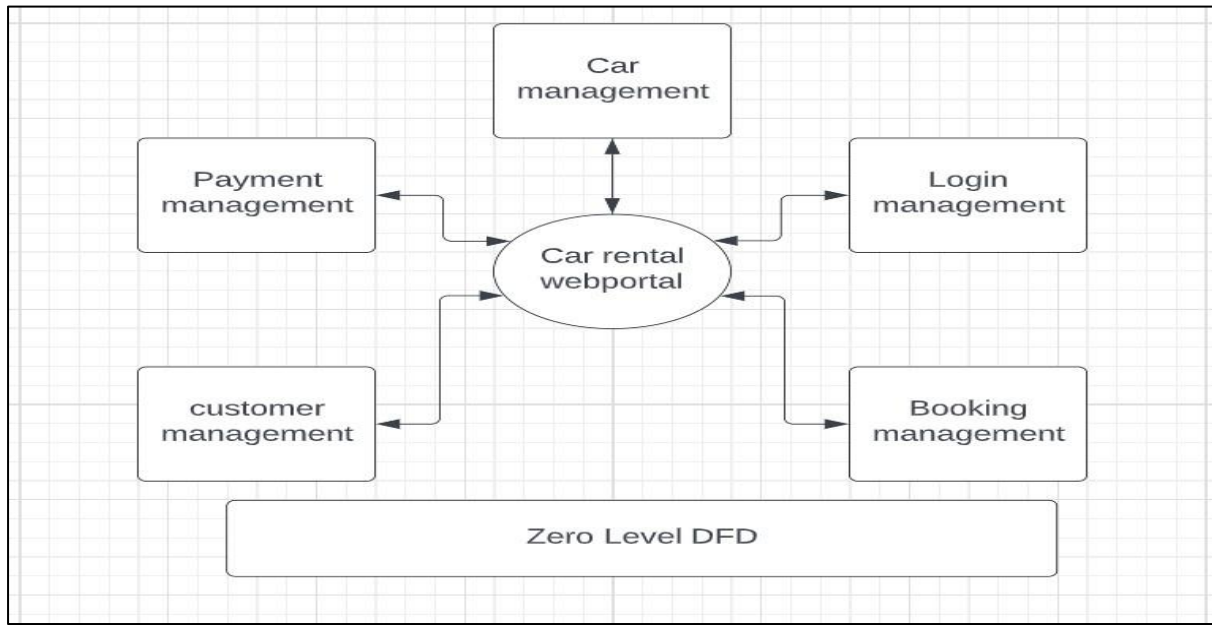- Javascript
- HTML
- CSS
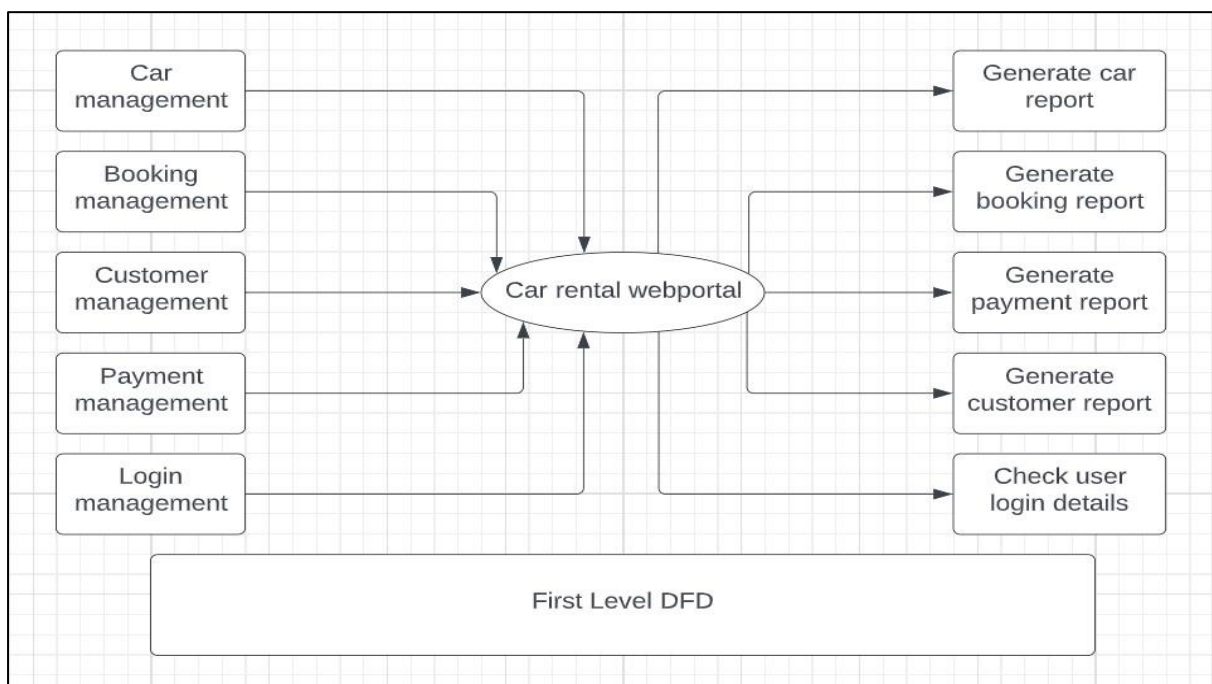- ANGULAR

    B. Backend :
- **php**
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References

- Beta labs - www.beta-labs.in

- https://www.w3schools.com

- Wikipedia

Data Flow Diagrams

0 Level DFD :-

Zero Level DFD

1 Level DFD :-

First Level DFD

2 Level DFD :-