Project 01

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Course: BTech IT

Section: IT B

Topics Discussed

1. Car Rental System
2. Pantry Manager
3. Medicine Reminder / Manager
4. Hotel Tracker
5. Booking System
6. Budget Tracker
7. Billing System
8. Portfolio Generator
9. Student Management System
10. Library Management
11. Port Management
12. Chat Bot

Final Choice

**Car Rental System**

Research

App

Web App

Website

Final Choice : **WEB APP**

Languages used in a WebApp:

1. ~~Python~~
2. JavaScript
3. ~~Java~~
4. ~~C++~~
5. ~~Pearl~~
6. ~~C#~~

Final Choice : **JavaScript**

Compiler: User Dependent

Languages

Frontend – JavaScript

Database - MySQL

Backend – Node.JS

Planning

1. Aim

* What the user sees on opening the web app

Login

Signup

Logo

Name

Tagline / Purpose

Footer

Header (Navigation Bar)

* First User-Machine Interaction

Book A Card Button on Home Page

* Final Result

Confirm Booking

Exit (Without Any Booking. Just Viewing the Web App)

* Reroute to the start or a significant point of continuation
* if(Exit)
* Reroute to Home Page after 5 secs Visit Soon!
* else if(Confirm Booking)
* Reroute to Home Page after 5 secs Thank You!

1. Features

* Login/ Signup
* Redirect Button to the Booking Page
* Nav

- Link to Home Page

- Booking Page

- Contact Us

- Know More About Us

- View Cars

- Login/SignUp

- Footer

- All your links

- Name of Creators

- Contact Numbers

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- Booking Page

- Rent Start Date

- Rent End Date

- City

- Use (Travel, Day-To-Day, Celebrations)

- Seats

- Car Type (Hatchback, Pickup, Sedan, SUV)

- Manual / Automatic

* Display List Based on Choices

- Price

- Car Mileage

- Seats

- Car Model

- Driver Age Criteria

- Manual / Automatic

- Gas Charges Included / Not Included

- Terms and Conditions

- Car Picture

- Color

- Book Now Button

* If the person is booking & hasn’t logged in

redirect to the signup / login page,

then to the payment

else

straight to the payment page

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* Payment Gateway

- Net Banking / Card

- Checkbox for Accept T&C

- Confirm Payment Button

- 5 secs Thank You. Back to Home Page

1. Design Product

* Home Page

- Nav

- Home Page Link

- View Cars

- Booking Page

- Contact Us

- About Us

- Login / SignUp

- Logo

- Name (A-La-Car)

- Book Now Button

- Footer

- Home Page Link

- View Cars

- Booking Page

- Contact Us

- Know More

- Login / Sign Up

- Social Media Links

* View Cars

- Nav

- Filters

- 1 Box for 1 car to be shown

- Car Name

- Seats

- Mileage

- Type

- Footer

* Contact Us

- Nav

- Simple Form

- Name of User

- Email Address

- City

- Ph. No

- Query

- Simple Message saying we’ll revert to your messages

- Footer

* About Us

- Nav

- Logo

- Paragraph About Us

- Footer

* Login Page

- Nav

- UserId

- PassWord

- Not a user? Sign Up (Click will redirect to Sign Up Page)

- Login Button

- Footer

* Signup Page

- Nav

- Name

- Age

- Email

- User Id

- Set Password

- Confirm Password

- Sign Up Button (Automatically Redirect to Last Used Page in same State)

- Footer

* Booking Page

- Nav

- Start Date

- End Date

- City

- Seats

- Type

- Use

- Transmission (Manual / Automatic)

Based on above options, pull request from database to display cars

1 Box for each Car

- Left

- Picture

- Car Name (Manufacturer Name Model Name)

- Middle

- Seats

- Mileage

- Type

- Transmission Type

- Gas Charges Included / Not Included

- Minimum Driver Age

- Right

- Price

- Book Now Button

- T&C

- Footer

* Payment Page

- Nav

- Box

- Left

- Net Banking

- Card Payment

- Right

Display Options Based on Selection in Left Div

- Net Banking

- User Name

- Password

- Bank Name

- Card Number

- Name on Card

- Card Number

- Exp Date

- CVV

- Center

- Confirm Payment Button

Redirects to Home Page

- Footer