Python Internship-1

Web Development with Database programming

An internship assignment to develop a Python web application on Apache HTTP server with MySQL database

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Automobile Showroom

Write a small application to manage cars and customers of an automobile showroom in your city. Following are the suggested activities to be performed in the project.

Home Page

- Login Form
- Company wise searching of cars (Use DropDownList and AJAX)
- Car type wise searching of cars (Use Hyperlinks and AJAX)
- Show all cars list

Admin Panel

- Login
- New Car registration
- Modify car price
- List of cars
- Search car

- New Customer registration
- Modify customer details like Mobile Number
- Search Customers by unique customer id / Customer name
- List of customers

- Cars search log tracking
- Most searched cars report
- Most searched companies report

- Logout

Suggested Tables:

- Users
- Customers
- Cars

Note-

- *Create a built in admin user in the database with some userid & password*
- Wherever possible use Python data structures, modules, exception handling etc.
- Develop as per your understanding and analysis.
- Make use of proper design, tables and CSS
- Take only important details about car like no of wheels, engine capacity, company, car photo, fuel type, price, car type (hatchback, sedan, etc.)
- Car photo needs to be stored on server
- Customer will be registered with personal details only. They won't have userid and password for login. This customer data is for showroom reference only.
- Generate unique customer id for each customer.

Tools to be used:

- Python 3.8 as Language
- MySQL 8 as DB
- HTML5/CSS/JavaScript/Ajax for UI
- Apache HTTP Server
- Visual Studio Code Editor

Please follow these points after completion of the project

- Create a github repository
- Make a zip of your project
- Take database backup or queries
- Upload it to the github respository

Technology is power. Technology is future.