

## Mid Term Exam

### **What You Need to Submit :**

Sample :

1. Practice 18.5 : github link
2. Practice 19.5 : github link
3. Doc File or Video Link : doc/video file drive link
4. Mid Term Exam link : github link

**Instructions: Watch the video sincerely**

## **Mid Term Exam**

Create a fully functional **car sales website** that facilitates car listings for users and allows the users to filter cars by brand, create account, login, logout and also to buy a car. Each car will have an image, title, description, price, and a "Buy Now" button. Users can place orders, view their order history, and manage their account. The platform should consist of the following features:

### **User-Facing Features:**

#### **1. Car Listings: (35 Marks)**

- There must be a navbar where an authenticated user can see home, profile, logout menu and an unauthenticated user will see home, signup, login.
- In the home page, at first show some text and a single picture on the home page. Then the user can see the car list with image, price, and can filter cars by brand name.
- There will be two models: Car Model and Brand Model. Make a relationship between them so that A brand has multiple cars but a car must have only one brand. You can add additional apps/models if you need.
- In the car details page there will be a car image, name, description, quantity, price, brand name and a button named Buy Now will be shown for an authenticated user to buy a product.

- Anyone can comment on any cars with their name, comment.

## **2. User Registration and Authentication: (10 Marks)**

- Implement a user registration and login system.
- User can also edit their profile details

## **3. Placing Orders: (20 Marks)**

- An authenticated user can only buy cars.
- An unauthorized user cannot see the buy now button.
- When an authenticated user clicks the buy now button this item will be purchased by that user and the total quantity of that car will be reduced by one.

## **4. Order History: (15 Marks)**

- In the profile page users can see the bought cars lists.

**N:B : There must be at least 3 class based views.**