

LAB 321Assignment

Type:
Code:
Point:
Slot(s):

Long Assignment
J3.L.P0015
450
NA

Title: Car rental

Background

Build a website for Car rental.

Program Specifications

Car rental is a service online. In the store there are many types of cars, users can choose to rent one or many cars for a certain period of time. In addition, users can rent more than 1 car of the same type or different type. You must use **Filter as Controller and follow MVC2 model**.

Features:

This system contains the following functions:

- **Function 1: Login - 50 Points**
 - In order to shopping, an authentication is required.
 - If the user has not authenticated, the system redirects to the login page.
 - The actor enters userID and password, the function checks if the userID with the password is in the available user list, then grant the access permission. If not, a message would appear no notify that user is not found.
 - Must integrated login using Google reCAPTCHA service.
 - **Login function is required to shopping.**
- **Function 2: Car Search - 50 Points**
 - List first 20 available items in the system order by date: car name, color, year, category, price, quantity. Paging is required to use.
 - Each car has different price.
 - User can find the car based on car name or car category and rental date and return date and amount of car.
 - All users can use this function (login is not required)
- **Function 3: Create new account - 50 points**
 - Register new user: email as ID, phone, name, address, create date.
 - Create date is current date.
 - The default status of new user is New.
 - **You need verify the email address of the user** before changing the status of new user to Active.
- **Function 4: Renting - 150 points**
 - All users can use this function **excepting admin role (login is required)**
 - Add the selected car to cart.
 - Each user can rent any available car in the list.
 - User can view the selected car in the cart. For each car: car name, car type, amount, price, total. The screen must show the total amount of money of this cart.
 - User can remove the car from the cart. The confirm message will show before delete action.
 - User can update amount of each car in cart.

- Click the Confirm button to store the order to database (must store order date). The warning message will show if the selected car is out of stock.
- During booking user enter the discount code (if any). Each discount code has its expiry date.
- **Function 5: Order history - 100 points**
 - User can take over the order history: list of order sort by booking date.
 - Support search function: search by name or order date
 - Support delete function to delete the order (**update the status of order to inactivate**).
- **Function 6: Feedback on the quality of car service - 50 points (Extra)**
 - The user sends a feedback to the quality of the car he has rented.
 - Rating on a scale of: from 0 to 10.

** The above specifications are only basic information; you must build the application according to real requirements.*

** You have to build your own database.*

** The lecturer will explain the requirement only once on the first slot of the assignment.*