

LAB 321 Assignment

Type:
Code:
Point:
Slot(s):

Long Assignment
J3.L.P0021
550
NA

Title: Hotel Booking

Background

Build a website to service booking hotel online.

Program Specifications

In this assignment, you are requested to develop a booking website. You must use Servlet as Controller and follow MVC2 model.

Features:

This system contains the following functions:

- Function 1: Login – 50 LOC
 - In order to booking, an authentication is required.
 - If the user has not authenticated, the system redirects to the registration 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.
 - Login function is required for shopping.
- Function 2: Display- Search – 50 LOC
 - List all hotel which has an available room in the system.
 - Each hotel has some kind of room: single, double, family, ...
 - Each room type has different price.
 - User can find the room based on hotel name or hotel area and check in date and check out date and amount of room.
 - All users can use this function (login is not required)
- Function 3: Registration – 50 LOC
 - Register new user: email as ID, phone, name, address, create date.
 - Create date is current date.
 - The default status of new user is active.
 - Password must be encrypted using SHA-256 before store in database.
- Function 4: Booking – 150 LOC
 - All users can use this function except admin role (login is required)
 - Add the selected room to booking cart.
 - Each user can book any available room in the list (not limit the amount room want to book)
 - User can view the selected room in the cart. For each room: hotel name, room type, amount, price, total. The screen must show the total amount of money of this cart.
 - User can remove the room from the cart. The confirm message will show before delete action.
 - User can update amount of each room in cart.
 - Click the Confirm button to store the booking to database (must store the buy date time). The warning message will show if the selected room is out of stock.

- During booking user enter the discount code (if any). Each discount code has its expiry date.
- Function 5: Booking history – 100 LOC
 - User can take over the booking history: list of booking order by booking date.
 - Support search function: search by name or booking date
 - Support delete function to delete the booking (update the status of booking to inactive).
- Function 6: Booking confirm by email – 100 LOC (extra)
- Function 7: Feedback on the quality of room service – 50 LOC (Extra)
 - The user sends a feedback to the quality of the room he has booked.
 - Rating is performed only when the user has used the service.
 - 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.