

Course Work

Object Oriented Programming

CMJD - Diploma in Comprehensive Master Java Developer



Object Oriented Programming - Coursework - II

You are contracted to create a software application to maintain business activities for a Hotel.

The “Hotel Management System” should include following business requirements.

Business Requirements:

- The system should record details of all the room categories.
- The system should record details of all the rooms.
- The system can keep records of all customer details and all the reservations.
- Customers can cancel the reservations before 24 hrs.
- Each reservation has a package of Full Board, Half Board or Bed and Breakfast.
- Reservation amount depends on the room and the package.

System Functionalities

Your application should include the following functionalities:

1. User Login for System Access
2. Manage Room Categories (CRUD Operation)
3. Manage Rooms (CRUD Operation)
4. Manage Customer (CRUD Operation)
5. Manage Reservation
6. Reservation cancelation Process

Implementation:

1. The application should be developed using Layered Architecture, with MySQL serving as the database.
2. Option for JavaFX (Recommended) or Java Swing UI for the user interface.
3. Select either Hibernate (Recommended) or JDBC for
4. For Database connectivity, you can choose either Hibernate (Recommended) or JDBC for establishing database connectivity.
5. Set up a GitHub repository (or a similar Git-Hosting platform), ensuring version control and create branches for each feature and merge with the main branch after developing the feature.

Submission

The project should be submitted to the on or before the deadline, complete with a GitHub repository and MySQL database containing sample data.