Hotel Billing Application Development

ELF / HTD Training Programs

Java Full Stack – Use Cases

App Development Assessment Overview

As part of this assessment you need to develop a console based application i.e. application which will not have any GUI but will have a main method which takes input from console, and simulates "Hotel Billing Application", as part of this assessment you need to use

- MySQL DB to store the Data
- Core Java to develop Console Based application
- JDBC & SQL to perform CURD operation on Data

App Development – Assessment Description

1. Create a Database by the name "Hotel_DB"
2. Create a Table by the name "Hotel_Bill" with the following structure

   Item_Code   Int (Primary Key)
   Food_Name   VarChar(50)
   Price   Double

3. Create a Java Program (let's call this as an application henceforth), which has main method that prints the following options:
- Press 1 to show all food items
- Press 2 to take order from customers
- Press 3 to operate on food items
- Press 4 to total bill of the day

If user presses 1 then it will show all the food items with item code and their price

e.g.   Item Code   Item Name   Price

       101   Dosa   30

If user presses 2 then, the application should start taking input from the user, the user must enter item codes. Once the customer has ordered all the items then the user must "Press 0" to end the order. Once the order completed, generate a bill for the same.

If user presses 3 then print the following options

- Press A to add food item
- Press B to remove food item
- Press C to modify food item

- If Option A is chosen, then Application should collect all the info & insert that data into a Hotel_Bill.
- If Option C is chosen, then Application should collect all the info & modify a particular food item.
- If Option B is chosen, then Application should collect "food info" & delete that food item from DB

If user presses 4, then application should print total bill of the day for the hotel manager.