

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

- Classes from Collection framework to store the Data
- Core Java to develop Console Based application
- Collection framework methods to perform CRUD operation on Data

App Development – Assessment Description

1. Create a Project by the name “Hotel”
2. Create a java bean class by the name “HotelBill” with the following fields

itemCode	int
foodName	String
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 HotelBill data and insert that data into the used Collection.

- If Option C is chosen, then Application should collect all the info and modify a particular food item from the used Collection.
- If Option B is chosen, then Application should collect “food info” and delete that food item from the used Collection.

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

Note: You need to create the main method with infinite loop.