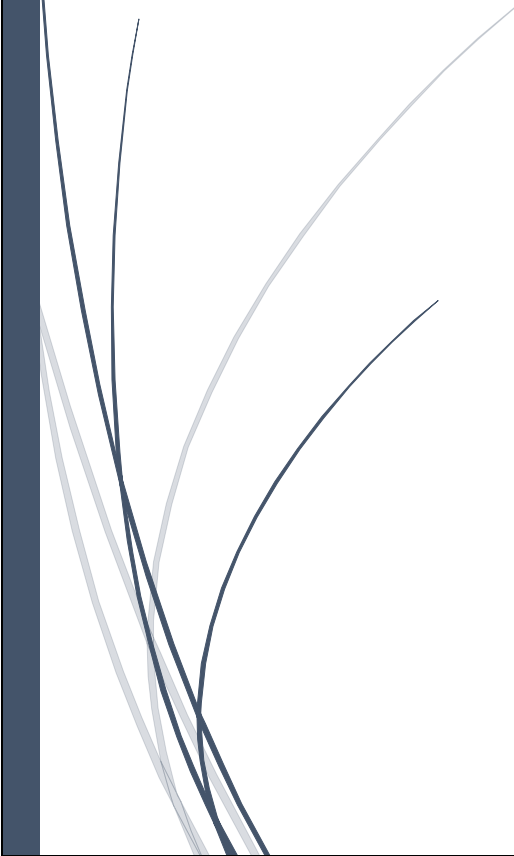




Project Proposal

Hotel Management System

Group 14



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Abstract

This is the project proposal document for developing a hotel management system for The Glory Hotel. It covers the hotel's existing situation as well as issues that have arisen as a result of the current system, as well as how we want to address these issues with our proposed method.

After gathering requirements, we found that The Glory Hotel uses a manual file-based system for its low processes. They are keeping a huge number of files to handle guest details, bills, items... etc.

The project aimed to build a fully functional system to achieve efficiency in hotel management. The overall goal of system development is for hotel workers to be able to accomplish hotel management tasks swiftly and easily.

Introduction

The Glory Hotel is one of the famous tourist hotel located in Badulla. Its history extends up to 50 years. Most tourists visit this place due to several reasons such that its iconic location, and panoramic view of a waterfall from the hotel. Both local and foreign guests reserve rooms, conduct meetings, celebrate parties, and many other functions at the hotel.

Currently, The Glory Hotel is using a manual system to handle the hotel processes. When guests make a reservation, all the reservation details including guest details are recorded in a file. Calculations of bills and inventory items are also done manually.

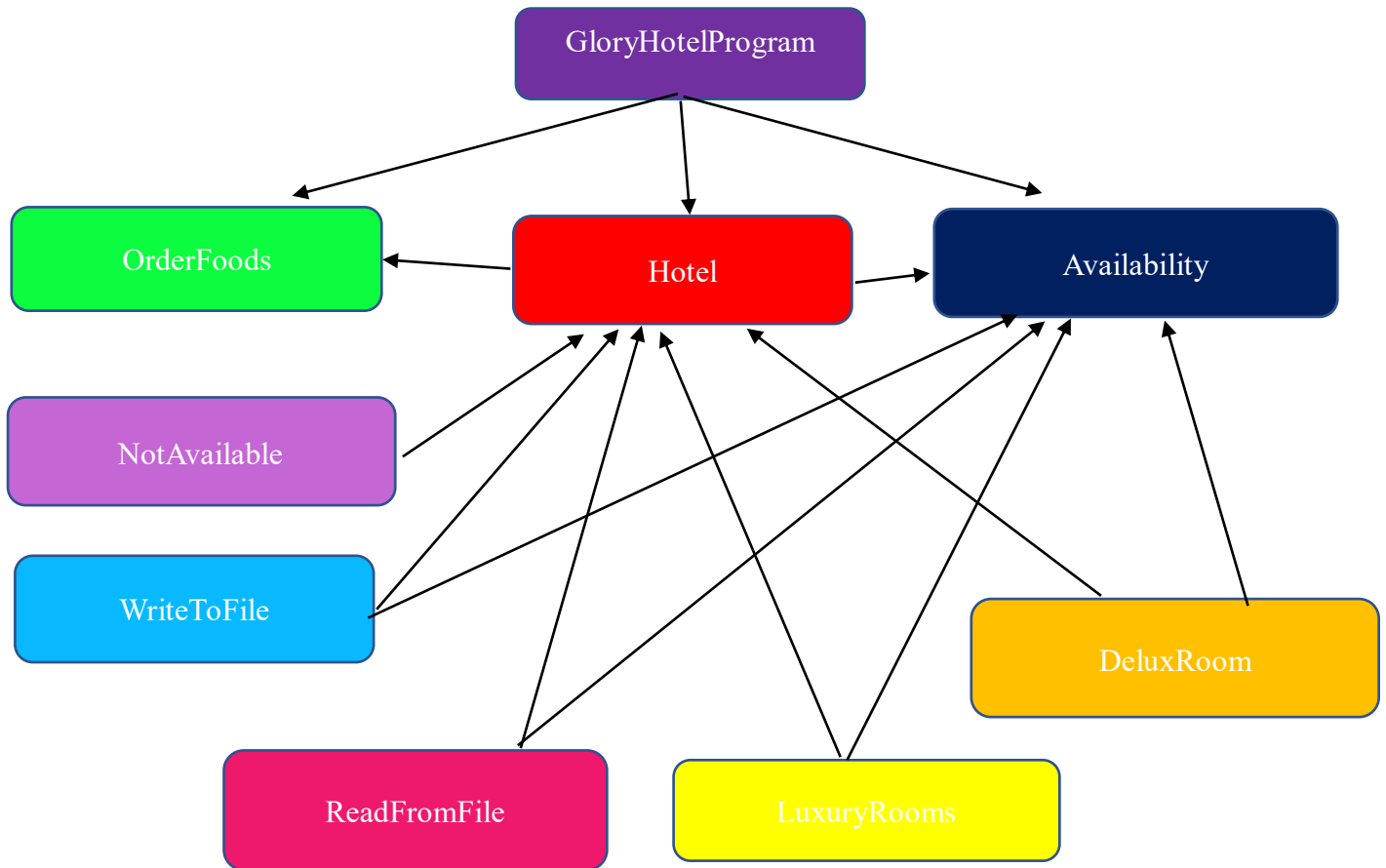
So, the hotel management system we are going to implement will be covering all the basic processes done in the hotel. It would handle,

- Guest details
- Reservation details.
- Room services details.
- Room types.
- Inventory management details

The system database stores all of the aforementioned details and information. When getting data from the database, might save time. The purpose of the reservation system is to keep track of hotel and hall reservations as well as to monitor availability. The room management system is for managing all room types and room services. The guest management system will handle guest details.

The flow of the project

The implementation of the hotel management system for The Glory Hotel begins with the data gathering of requirements and examining the background of the hotel. Although the current system is a manual and file-based one, we realize that the system we are going to build must give the solution of waste of time and the amount of space available has an impact on the efficiency of the hotel's everyday operations. We are decided to use java programming and build the hotel management system.



Requirements Analysis and Design

CLASS 01 – GloryHotelProgram

Data Requirements

- Customer Opinion

Functional Requirements

- Getting customers choices

CLASS 02 – Hotel

Data Requirements

- Room types and prices
- Customer details
 - ☐ Customer Name
 - ☐ Contact number
 - ☐ Email address
 - ☐ ID number
- Room numbers
- Food type
 - ☐ Breakfast
 - ☐ Lunch
 - ☐ Dinner

Functional Requirements

- Display the room types and prices.
- Getting customer details.
- Booking rooms.
- When customer checkout successfully deletes customer details.
- Selecting food type.

CLASS 03 – Availability

Data Requirements

- Room numbers

Functional Requirements

- Checking availability of a room

CLASS 04 – OrderFoods

Data Requirements

- Food type
 - ☐ Breakfast
 - ☐ Lunch
 - ☐ Dinner
- Price

Functional Requirements

- Display the food types and available foods.
- After ordering display the price

CLASS 05 – DeluxRoom

Data Requirements

- Customer details
- Deluxe room types
 - ☐ Double rooms
 - ☐ Single rooms
- Number of rooms

Functional Requirements

- Saving customer details to relevant deluxe room type.

CLASS 06 – LuxuryRooms

Data Requirements

- Customer details
- Luxury room types
 - ☐ Double rooms
 - ☐ Single rooms
- Number of rooms

Functional Requirements

- Saving customer details to relevant luxury room type.

CLASS 07 – NotAvailable

Data Requirements

- No data requirements

Functional Requirements

- Displaying “Not Available” message when re-booking the booked room.

CLASS 08 – WriteToFile

Data Requirements

- Room numbers
- Customer details

Functional Requirements

- Saving customer details to a text file.

CLASS 09 – ReadFromFile

Data Requirements

- Room numbers
- Customer details

Functional Requirements

- To read customer details from text file.

Additionally using websites and YouTube we create class 08 and 09.
These are the resources we refer.

References

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Teamwork

- Introduction – All the group members
- Class 03, 08 & 09 – PS/2019/135(W.M.S.S. Wickramasinghe)
- Class 03, 08 & 09– PS/2019/126(R.P.D. Migara)
- Class 01, 02 & 04 – PS/2019/026(G.M.D. Mahindapala)
- Class 01,04 & 07 – PS/2019/055(G.D.D.S. Sarathchandra)
- Class 05,06 & 07 – PS/2019/199(K.D.R. Tharushika)