

INFO 5100 – AED – FINAL PROJECT

Design Documentation

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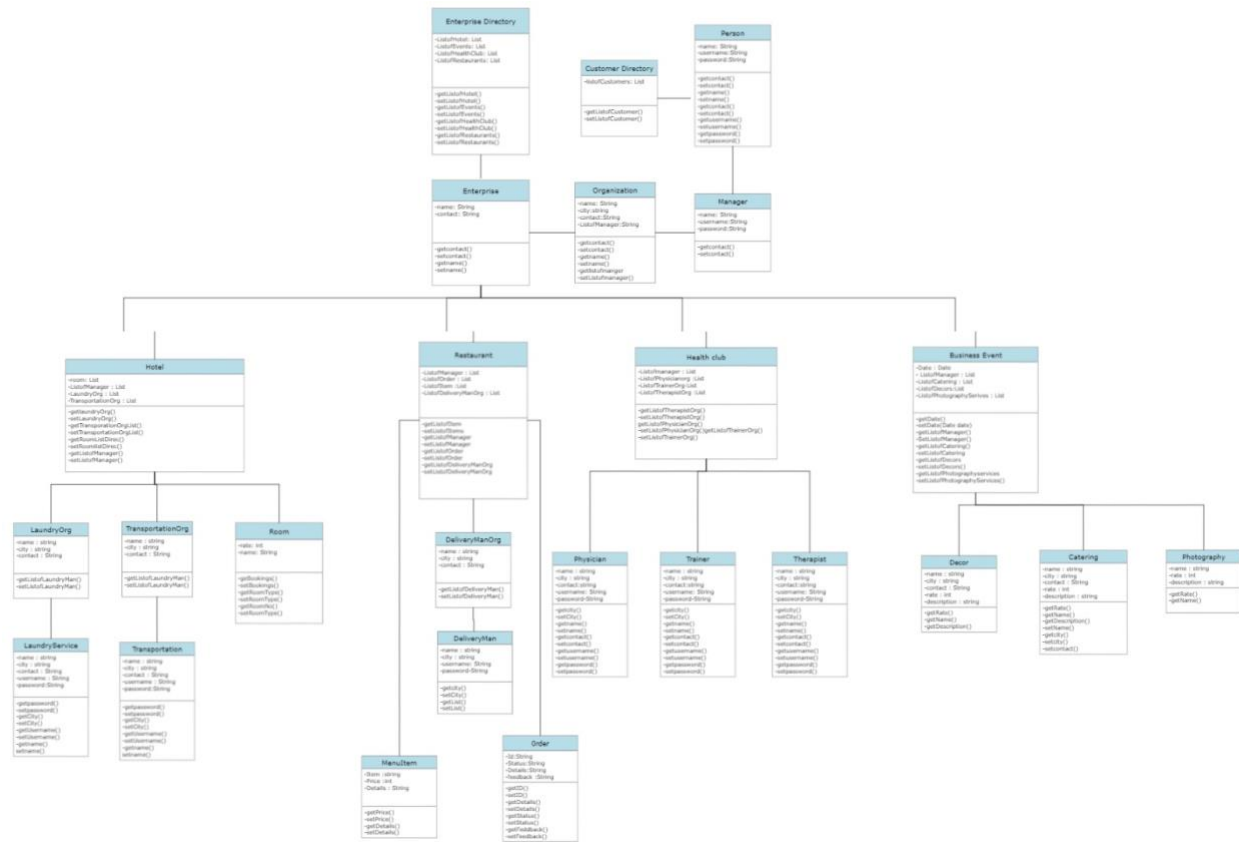
Problem Statement:

The problem faced by hotels to manage customers who have different needs when they book a room in the hotel. There is a need of a system that aims to solve this problem of the hotel (to provide easy and quick access for their customers) and also of the customer who wish to get all the amenities provided by the hotel on their fingertips!

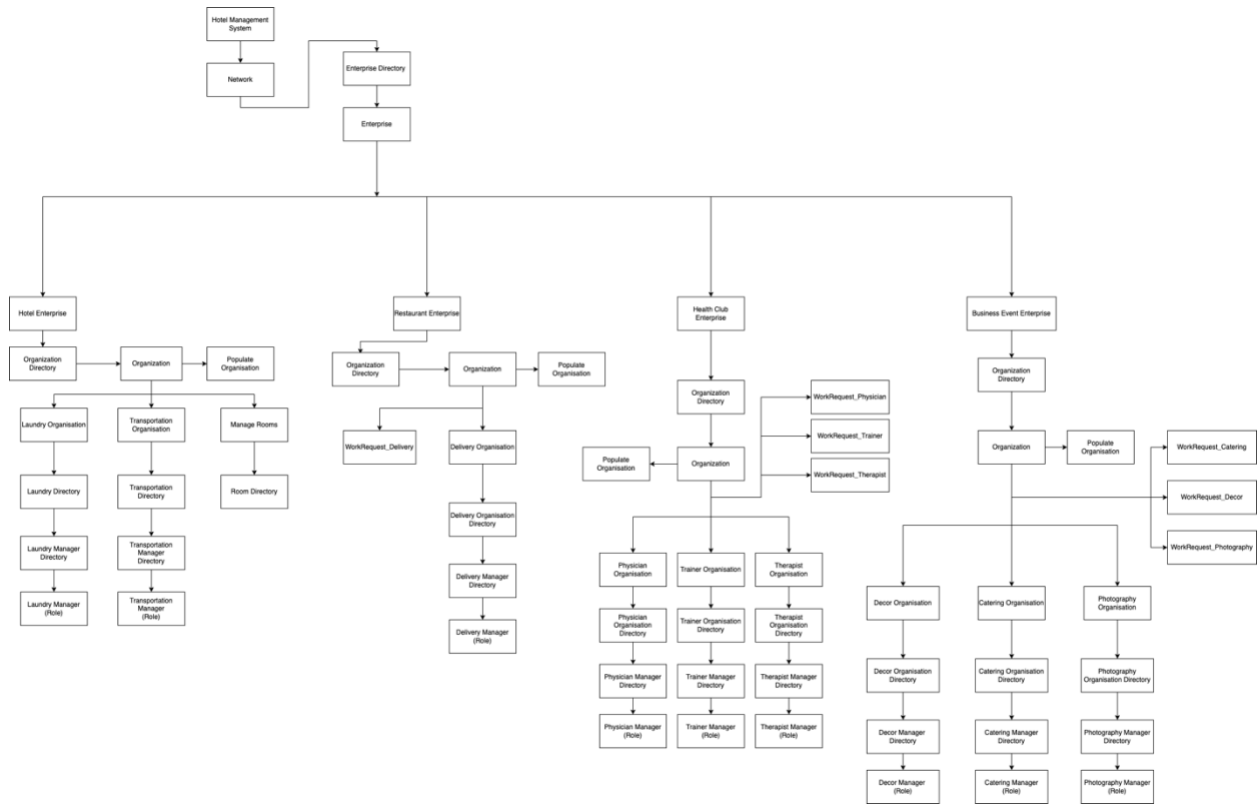
Project Description:

The project starts with a home page with a login section. To go to the backend of the project to manage the Network, Enterprises and Enterprise Managers use username: admin // password: admin. Once you log into the back end, one can perform all the CRUD for the enterprises and create new customers. After that one need to log into their respective enterprises and add respective Organizations under them and perform respective functions. They also need to create Organization admins so that each respective organization has an Organization Manager. When you log into the Customer side of the project on the Main Login screen, you will be shown a page wherein you can book the Room in the hotel registered under the network. After that, the customer can also avail the services and amenities provided by the hotel. Once the customer requests for a particular service inside the hotel, the request is pushed to the organization manager where the manager has the power to assign the organization user to that request made by the customer. Once the request is approved is displayed to the customer in the details section of his hotel room booking in a receipt that the request is confirmed. At the end of the project there is an Email Receipt button using which the customer can send the generated receipt to his desired Email Address for his records.

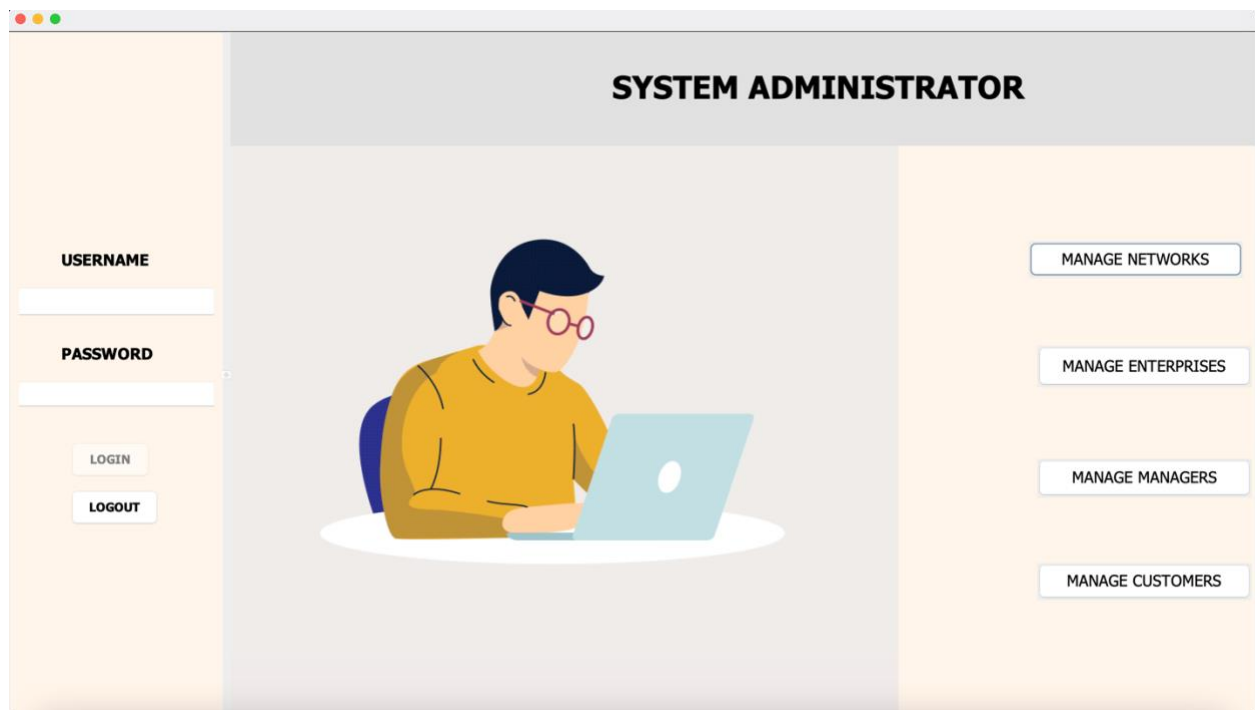
Class Diagram:



Object Model:



Screenshots:



BACK

CUSTOMER PANEL

USERNAME


PASSWORD

LOGIN

LOGOUT

BOOK ROOMS & SERVICES

MANAGE BOOKING



BACK

BOOK ROOMS AND SERVICES

USERNAME

PASSWORD

LOGIN

LOGOUT

CHECK-IN & CHECK-OUT

Dec 15, 2022

Dec 31, 2022

CITY

Boston

HOTELS

taj

NO OF PEOPLE

2

ROOM TYPE

Regular (50\$ per night)

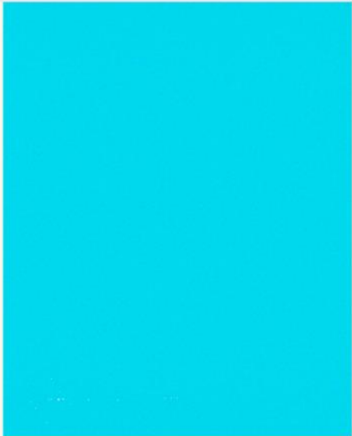
NO OF ROOMS

2

TOTAL PRICE

100\$

BOOK ROOM



BACK

VIEW ORDER DETAIL...

USERNAME

PASSWORD

LOGIN

LOGOUT

CHECK-IN

Thu Dec 15 00:00:00 EST 2022

CHECK-OUT

Sat Dec 31 00:00:00 EST 2022

EMAIL RECEIPT TO

Below are your booking details -

Hotel booking details are as follows:

City: Boston

Checkin date: Thu Dec 15 00:00:00 EST 2022

Checkout date: Sat Dec 31 00:00:00 EST 2022

Below are the details of the 1 rooms booked:

Room number: 1, Room type: Regular (\$0\$ per night)

Total cost for your stay: \$50

Hotel service details:

Hotel: taj

Date of appointment: Sun Dec 11 00:00:00 EST 2022

Status: PENDING

No services selected for this booking.

Total cost of the booking including all services: \$50

Make Payment

BACK

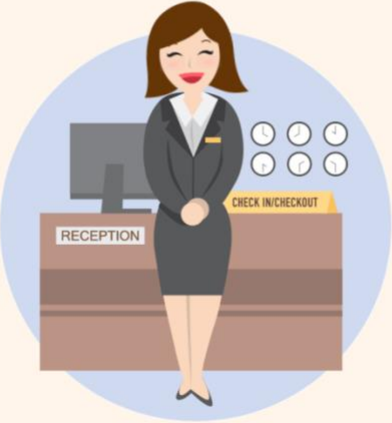
ADD SERVICES

USERNAME

PASSWORD

LOGIN

LOGOUT



BUSINESS EVENTS

PLACE ORDER

HEALTH CLUB

OTHER SERVICES