

Project Interim Report

CMPE 331

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Hotel Automation

A web application that reduces the workload at the front desk and improves guest experience in hotels.

Group No: 13

Tolga ulha, Mustafa zbalcı,

Ahmet Atum, Doğukan Şaki,

Harun Emre Yıldız

Istanbul Bilgi University

Aim of the Project

The aim of the project is to develop a web application that can be used by customers and employees of the hotel for faster, more consistent guest service. Using the application, guests will be able to request a spa appointment, order any product from the hotel stocks, apply for extra accommodation, and request an extension of their stay without speaking to the reception. Employees will be able to see requests from guests, check the product stocks and guide them accordingly. Application will enable new guests to access hotel rooms more easily and make reservations directly at the hotel price.

Progress of the Project

The project's customer requests and employee notification system are operational at a basic level, and backend work continues for other extra features such as spa and stock tracking system. We have achieved 80% of the results in terms of UI designs. The project is currently progressing by integrating existing backend and frontend codes.

Challenges and Solutions

While integrating our HTML codes with the backend, the colors and photos in the background of the interface cannot be displayed. As a solution, making changes to the project file was followed.

Testing and Validation

So far, only the part related to guests sending requests and employees receiving notifications in line with the relevant requests has been made operational, and tests have been carried out to ensure that the right button delivers the right notification.

Development Plan and Process

As planned during the development phase of the project, work will be carried out in the coming weeks to complete the stock system and eliminate the necessary deficiencies. At the same time, the missing parts for the guest requests section will be completed.

Budget and Resource Usage

As planned, no expenses have been incurred so far, and when the project is fully completed, minor expenses such as virtual server rental have been calculated.

Communication and Collaboration

The project team cooperates and coordinates on a daily basis. Thanks to this cooperation and coordinated work, the burden on employees is relieved and results in a positive impact on the development of the project.

Security and Risk Assessment

Spring security tool is used to protect confidential elements such as hotel information and employee ID and password in the project. Since external access to this information would be dangerous for the hotel system and security, it has a high priority in the project.

Conclusions and Recommendations

The results obtained so far are positive and it is anticipated that the MVP features of the project will be delivered on time. The team works determinedly to achieve the set goals.

Resources and References

Figure 1: PACKAGES

Name	Last commit message
..	
customer	first html try
employee	first html try
request	first html try
reservation	Initial commit
room	progress
spa	progress
HotelprojectApplication.java	Initial commit

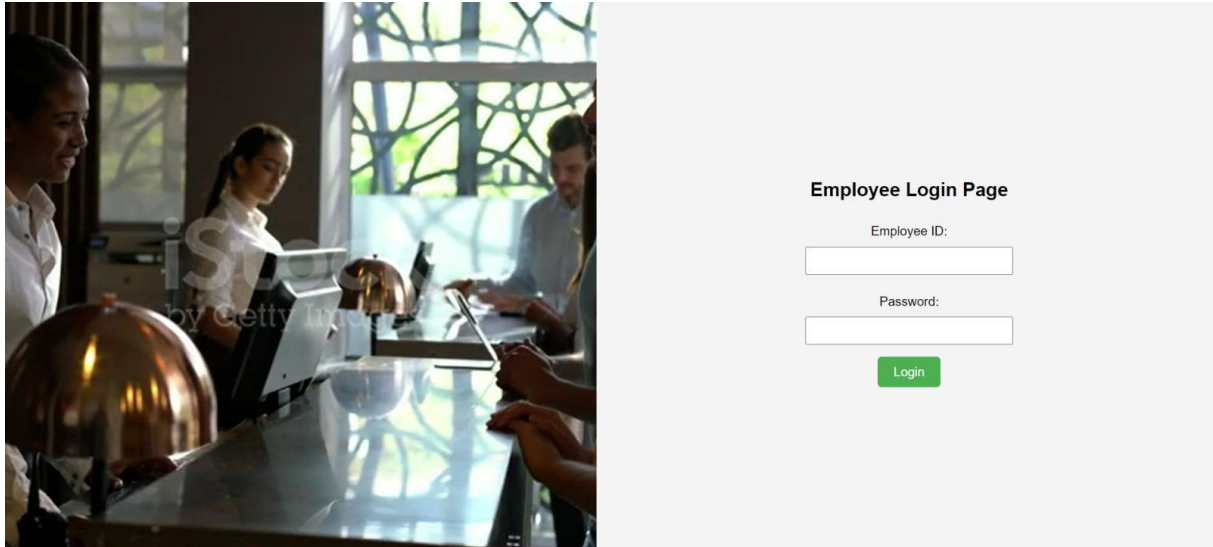
The image named PACKAGES is a package-based visual of the codes developed so far in the backend of the project.

Figure 2: TABLES

Tables (6)
> customer
> employee
> notification
> reservation
> room
> spa_reservation

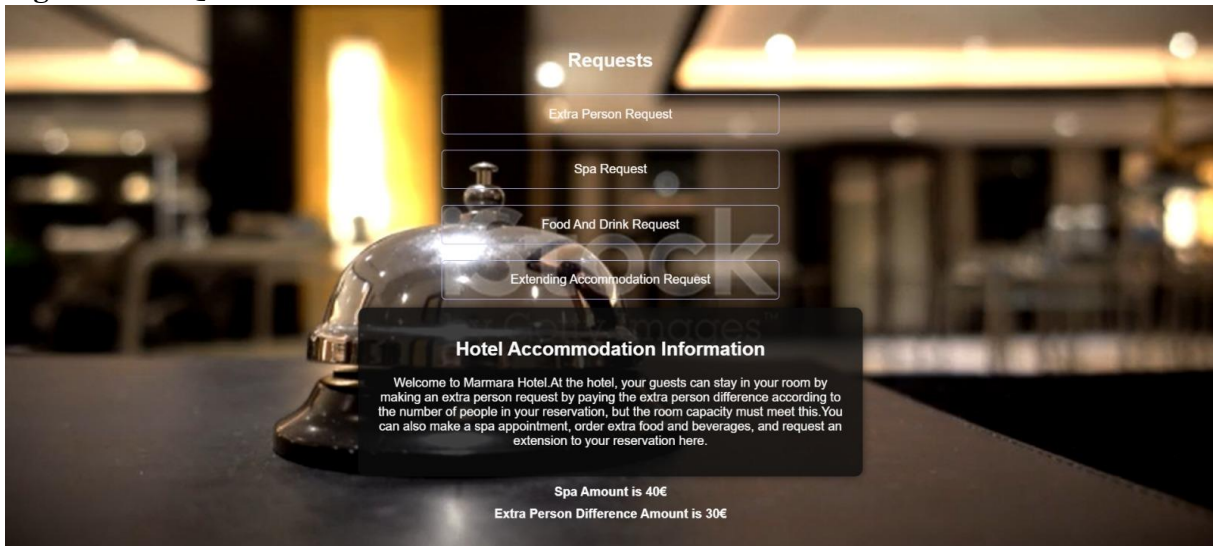
The image named TABLES is about the database tables created so far in the project.

Figure 3: EMPLOYEE LOGIN PAGE



The image named EMPLOYEE LOGIN PAGE belongs to the employee login page, one of the interface designs to be used in the project.

Figure 4: REQUEST PAGE



The image named REQUEST PAGE belongs to the guest request page, one of the user interface designs to be used in the project.