

EWAD CSP-584 Report

Hotel Reservation System



AL-HAMDAN

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Acknowledgement

We would like to show our gratitude to the professor Atef J. Bader for providing us with the opportunity to learn about Enterprise Web Applications. We are grateful for the knowledge that he imparted to us throughout the duration of the course and for providing us with the opportunity to work on the project . Additionally, we would also like to thank the TAs for their prompt responses to our queries and their help, without which we would have struggled to complete the project.

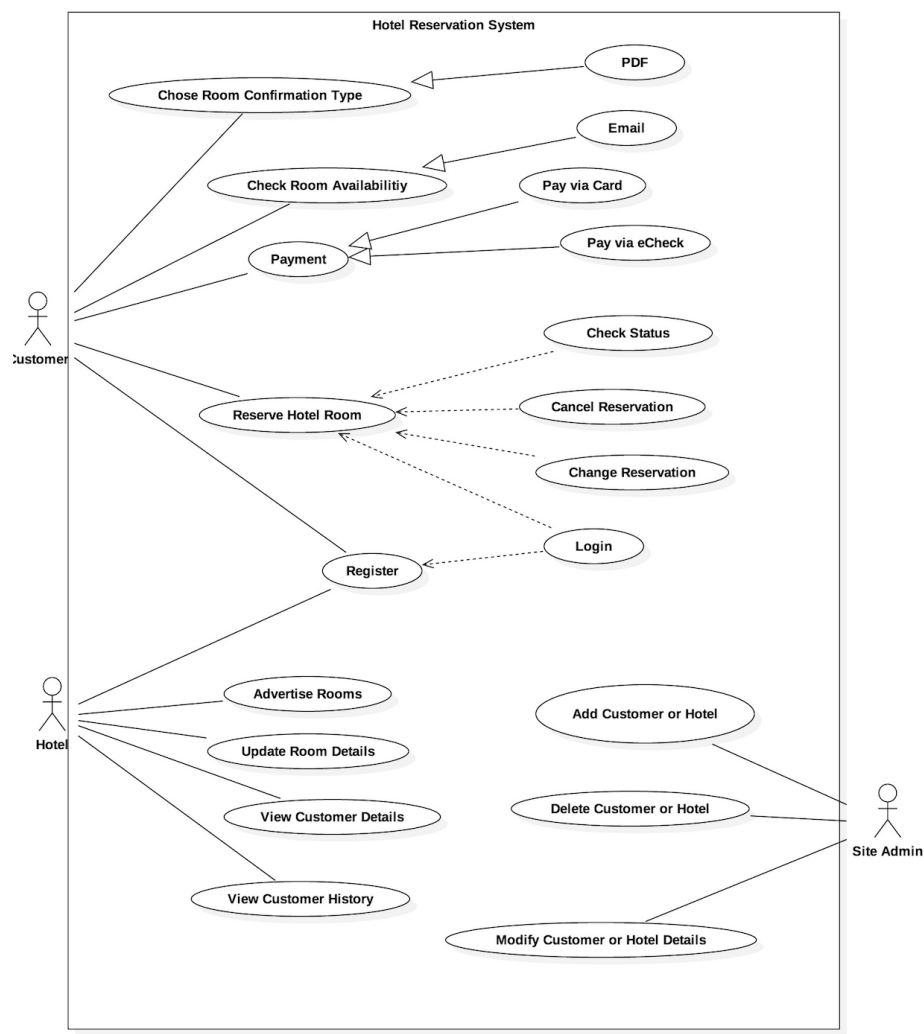
Team member performance. The team comprised of five members. Each member completed their task meticulously taking each aspect of the project seriously. Although we were a team formed of international students, we had no issues communicating or working together as a team. Since the team had online section as well as classroom section students communications were carried out using all resources such as "Whatsapp", "Gmail", "Google Drive" or "Skype". The project tasks were split and a discussion was held about every task.

Ahsan Burney, Alvaro Gomez Hernandez, Mohammed Arbaaz Shareef, Syed Hamdan Sher and Tanmaya Bhatt.

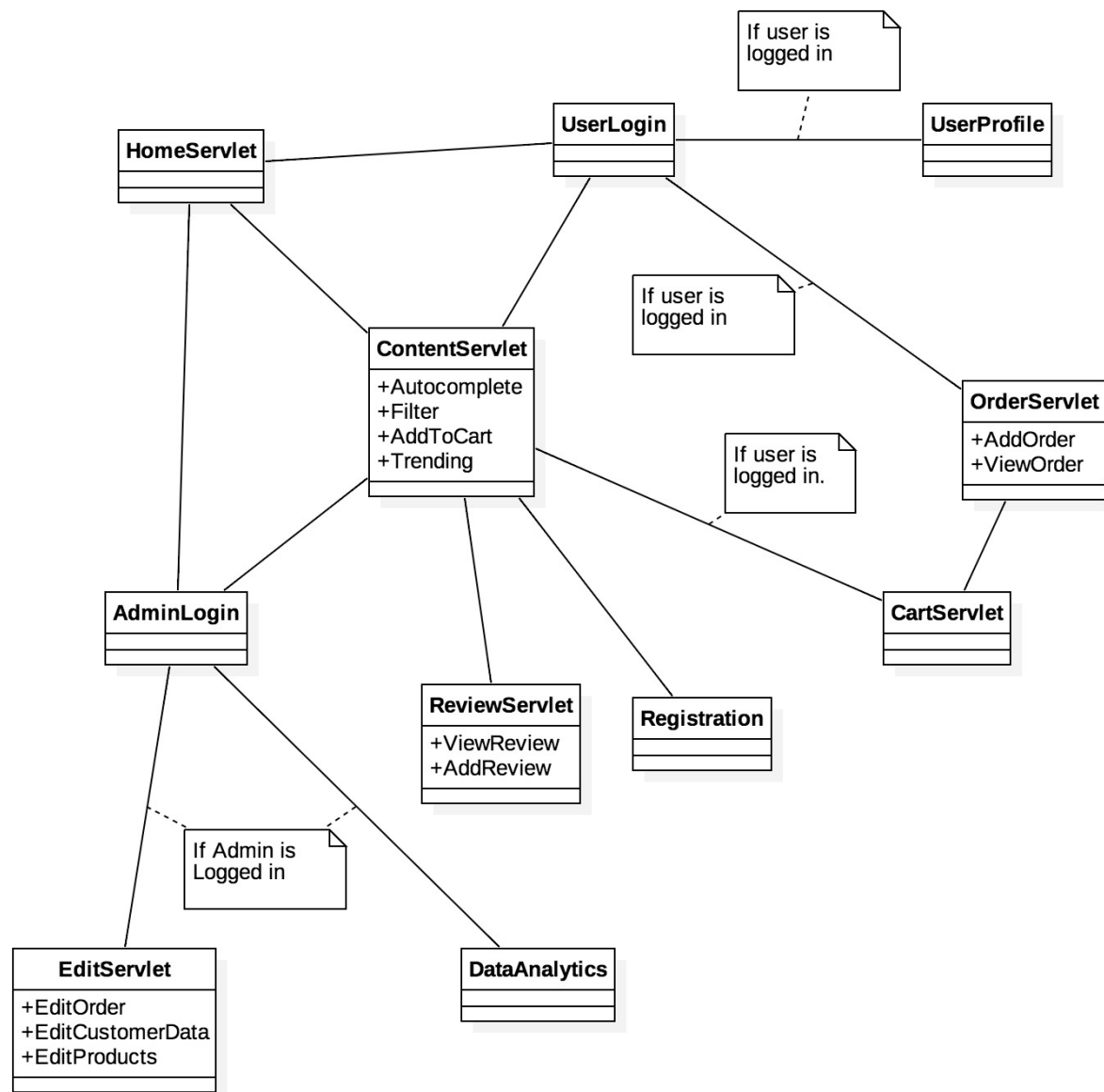
Introduction

- Al Hamdan is a company that assists customers in reserving hotel rooms for short periods of time, generally ranging from a one day to a few weeks.
- Hotels operate by allowing customers to book hotel rooms from large selection of rooms in their hotels for a fee.
- In the Project, an interface between hotels and their customers has been built.
- A system to provide ease of access to the customers in searching , locating, booking , and reserving a room, as well as to the admin to add/update/delete catalog of rooms, manager customers account, manager customer's bookings has been proposed.
- Proposed Model has two modules in it named as: **ADMIN** and **USER**.

Use Case Diagram



Class Diagram



Requirements

User Requirements

- A user can create an account by signing up.
- After registration,a user can login into his account and search for availability in Hotel rooms, Leisure Facilities, Dining options by location, date, time and duration. Here AJAX will be used for auto-populating data in search fields.
- Once any user finds a suitable room, he can proceed to payment page for further processing. After providing necessary details like personal info ,type of card, card number etc payment action is performed.
- A user can update his profile through settings page.
- A user can cancel his booking according to Hotel cancellation policies.
- A user can filter data based on location, price and type by clicking on the left filter bar options.
- A user can search for trending products based on review and sales.
- A user can write and view the reviews for a product.

Admin Requirements

- Admin acts as a manager of site and is responsible for any managerial task required.
- Admin can add new rooms, users or hotels, delete existing rooms, update their prices.
- Admin manages bookings of users e.g. increasing duration for a reserved hotel on request, cancel a booking etc.
- Admin can do data analysis by clicking on data analytics tab.

Technologies Used

- HTML , CSS, Servlets, BOOTSTRAP, AJAX
- DataBase: MongoDB, MySQL