

Imam Abdulrahman Bin Faisal University

College of Computer Science & Information Technology

Hotel Management System.

Academic Project Documentation & README

Student: Alya Wail Shehab

Course: CSC236 – Object-Oriented Programming

CIS 235 – Database Concepts & Design

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1. Overview

A Java based hotel management system designed to streamline hotel operations such as reservations, guest and room management, invoicing, and feedback. The project follows the MVC structure and includes complete database planning (ERD, table design, and schema documentation).

2. System Features

- user login / logout (Admin, Receptionist, Accountant)
- Guest management
- Room management
- Reservations
- Invoice & billing
- Services tracking
- Feedback system

3. Technology Stack

- Java
- Java Swing
- MVC + DAO
- MySQL database (design documented in milestones)

4. Database Note

SQL runtime file not included since this repo represents academic showcase only.

5. Documentation Included

- UML diagram
- ERD
- Milestones PDF
- System UI screenshots
- DB table screenshots

6. Folder Structure

src/ → Java source

docs/ → Milestones + ERD + UML + Screenshots

database/ → DB tables

7. images (Placeholders)

Below sections should include images from docs/screenshots/

[Login Screen]

[Dashboard]

[Rooms]

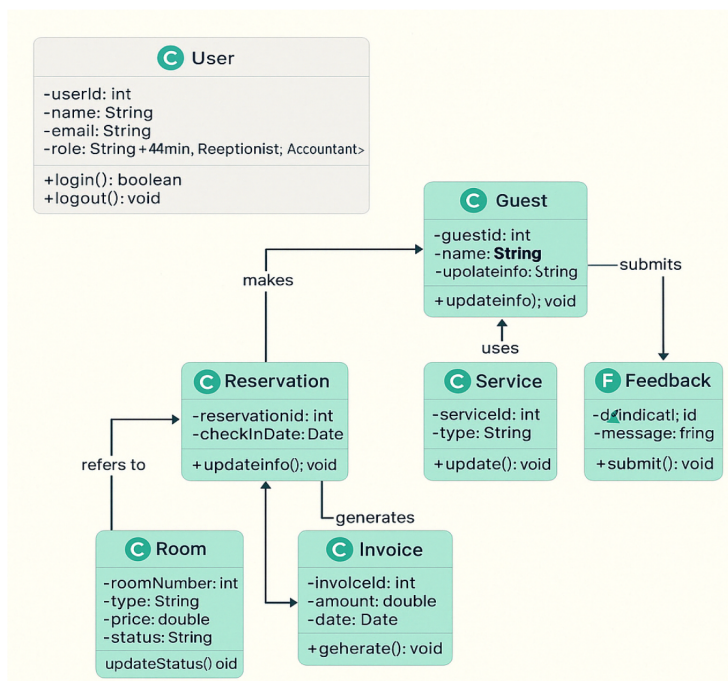
[Reservations]

[Invoices]

[Services]

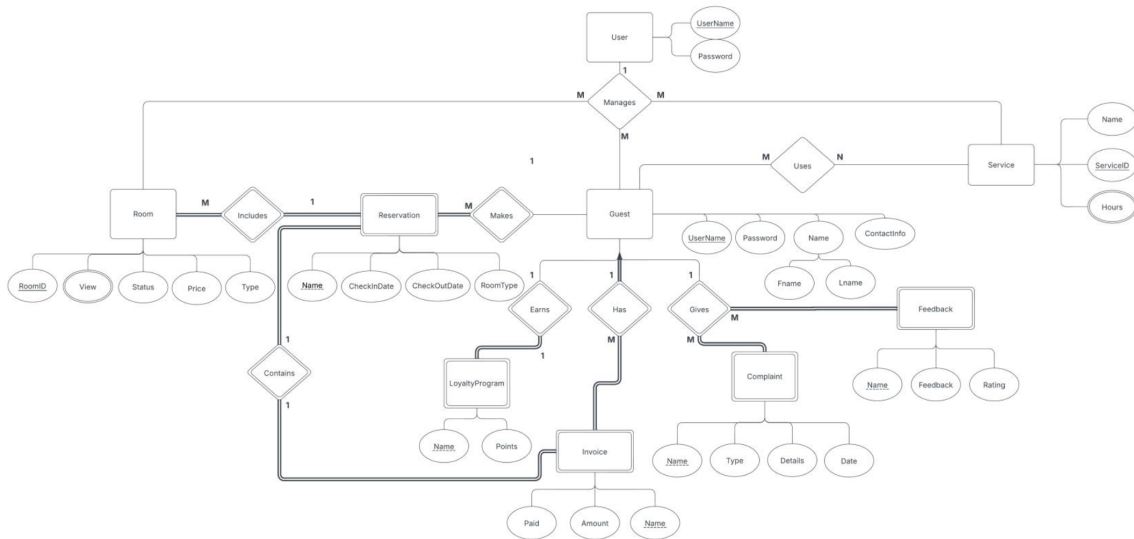
[Logout]

8. UML Diagram



9. ER Diagram

ER Diagram:



10. Future Enhancements

- Add runnable SQL
- Reporting dashboard
- Migrate to JavaFX or Web

11. Acknowledgment

This project was completed as part of CSC236 requirements at IAU.