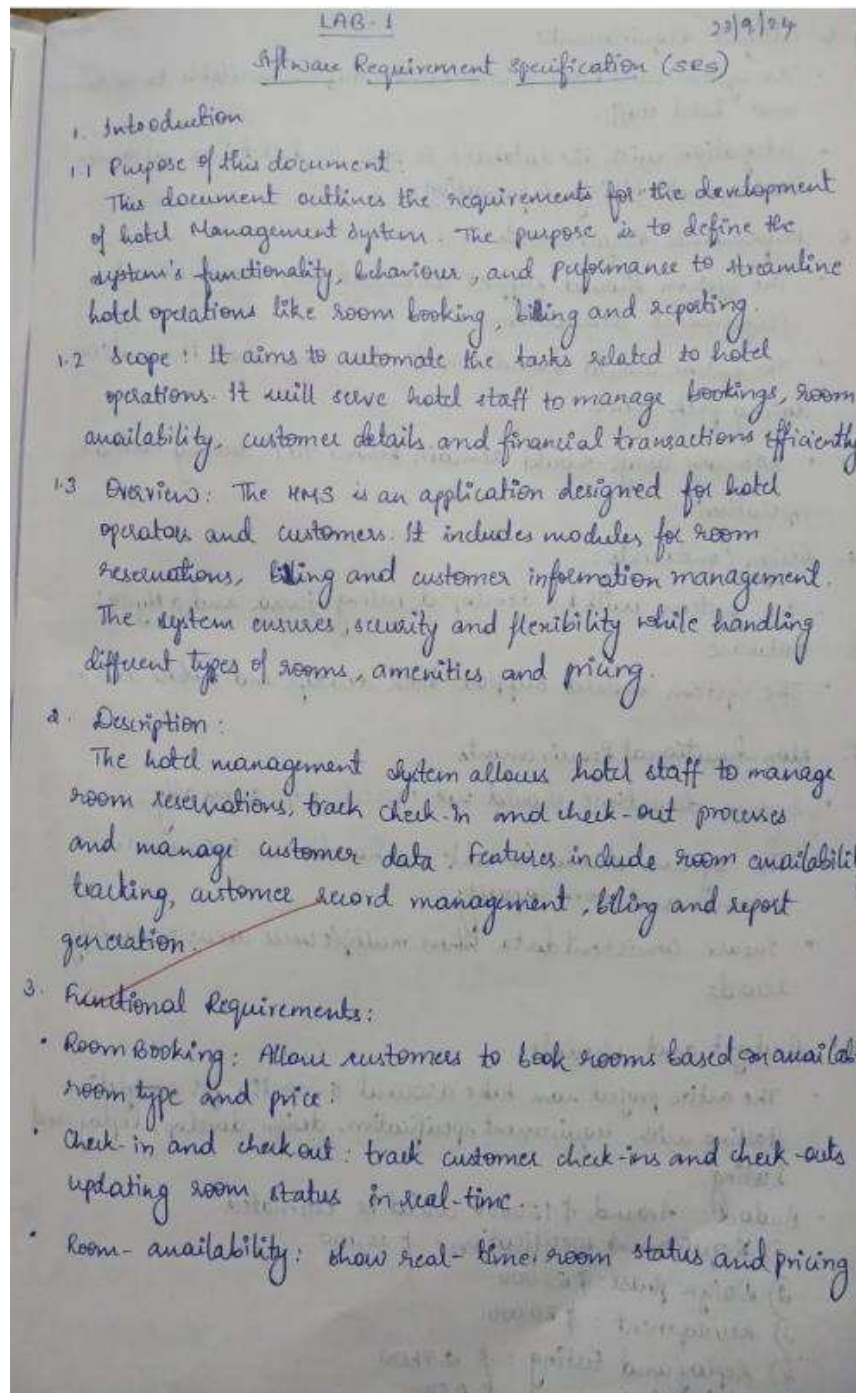


HOTEL MANAGEMENT SYSTEM

SOFTWARE REQUIREMENTS SPECIFICATION



4. Interface Requirements:

- The system will have a web-based interface available to customers and hotel staff.
- Integration with the database to store and retrieve customer, room and booking information.

5. Performance Requirements:

- The system should support concurrent user access without performance degradation.
- The system should handle up to 500 concurrent transactions during peak times.
- Memory usage should remain below 70% during normal operation.

Design Constraints:

- The system will be developed using Java and a MySQL database.
- The system should support both desktop and mobile devices.

Non-functional Requirements:

- System downtime should not exceed 1% annually.
- The system should be able to handle an increase in customer and room capacity.
- Ensure consistent data when multiple users access or modify records.

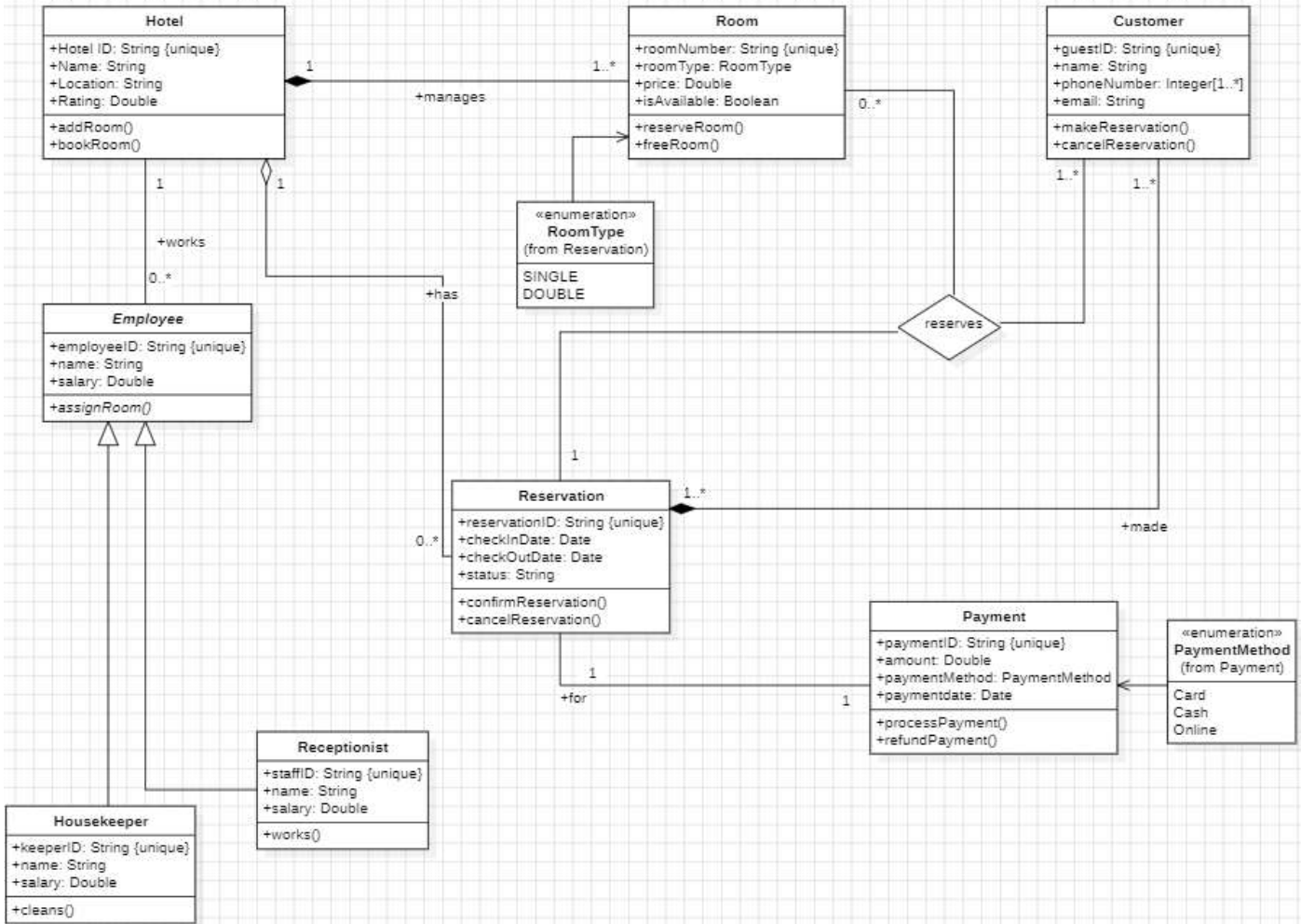
Budget and schedule:

- The entire project can take around 6 months for completion starting with requirement specification, design, develop, deploy and testing.
- Budget: Around \$150,000 could be estimated.
 - 1) Requirement specification: \$15,000
 - 2) Design phase: \$25,000
 - 3) Development: \$80,000
 - 4) Deploy and testing: \$27,500
 - 5) Maintenance: \$2,500.

UML DIAGRAMS

CLASS DIAGRAM

HOTEL MANAGEMENT SYSTEM - CLASS DIAGRAM



P. 10. 24.

Housekeeper
ID: String
name: String
Salary: Double
clean() U

Date: / /
Page:

CLASS DIAGRAMS

1. HOTEL MANAGEMENT SYSTEM

