

8) Describe major services (functionality) provided by a hospital's reception. Summary: Hospital Management System is a large system including several subsystems or modules providing variety of functions. Hospital Reception subsystem or module supports some of the many job duties of hospital receptionist. Receptionist schedules patient's appointments and admission to the hospital, collects information from patient upon patient's arrival and/or by phone.

For the patient that will stay in the hospital ("inpatient") she or he should have a bed allotted in a ward. Receptionists might also receive patient's payments, record them in a database and provide receipts, file insurance claims and medical reports.

AIM

To describe the major services and functionalities provided by the **Hospital Reception Subsystem** in the Hospital Management System (HMS).

PROCEDURE

1. Analyze the System Requirements

Understand the role of the hospital reception and the tasks managed through the Hospital Reception Subsystem.

2. Identify Key Services Provided

List the major functionalities supported by the subsystem, such as patient registration, appointment scheduling, payment handling, and ward allocation.

3. Categorize the Services

Group the services based on their purpose:

- **Patient Management:** Register patients and schedule appointments.
- **Inpatient Management:** Allocate beds and manage patient admissions.
- **Financial Services:** Handle payments, generate receipts, and file insurance claims.

4. Explain Each Service

Provide a detailed explanation of each service:

- **Patient Registration and Scheduling:** Collect patient information and book appointments.
- **Admission and Ward Allocation:** Assign a bed in a specific ward for inpatients.
- **Payment and Billing:** Receive payments, issue receipts, and update records in the database.
- **Insurance and Medical Reporting:** File insurance claims and generate medical reports for patients.

5. Model the System Structure

Visualize the subsystem as part of the larger Hospital Management System, identifying how it integrates with other modules like patient records and billing.

6. Validate the Service Description

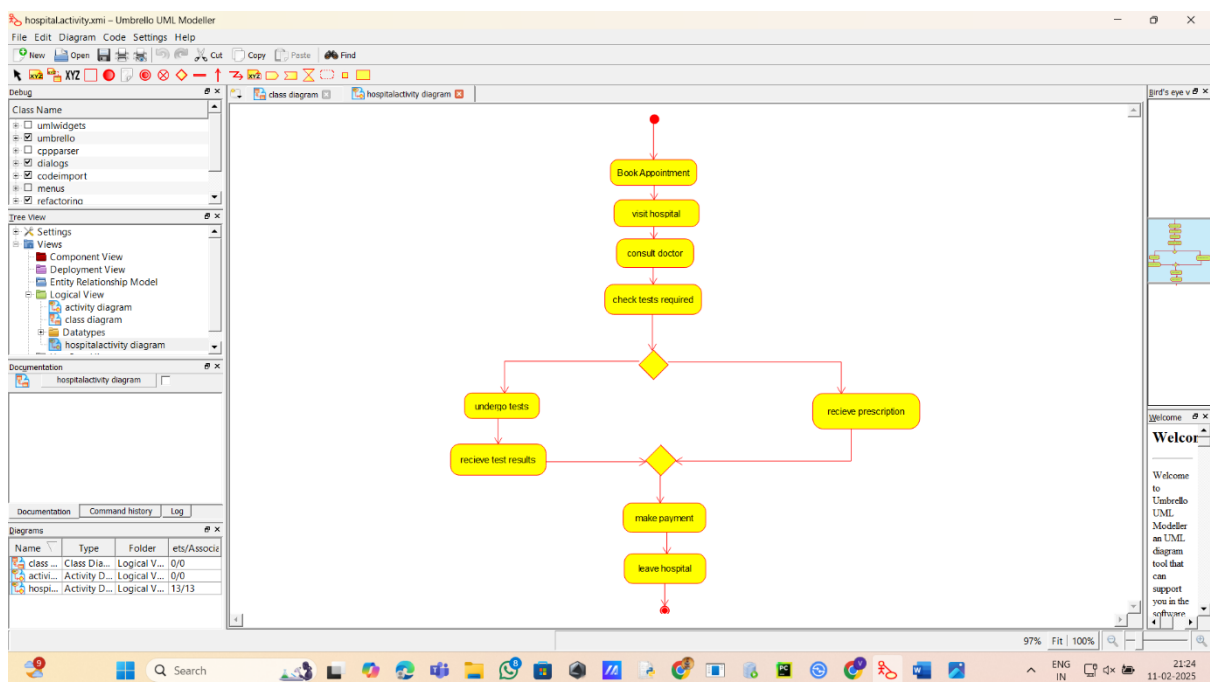
Ensure all major functionalities are included and described accurately, reflecting the receptionist's real-world tasks.

7. Document and Present

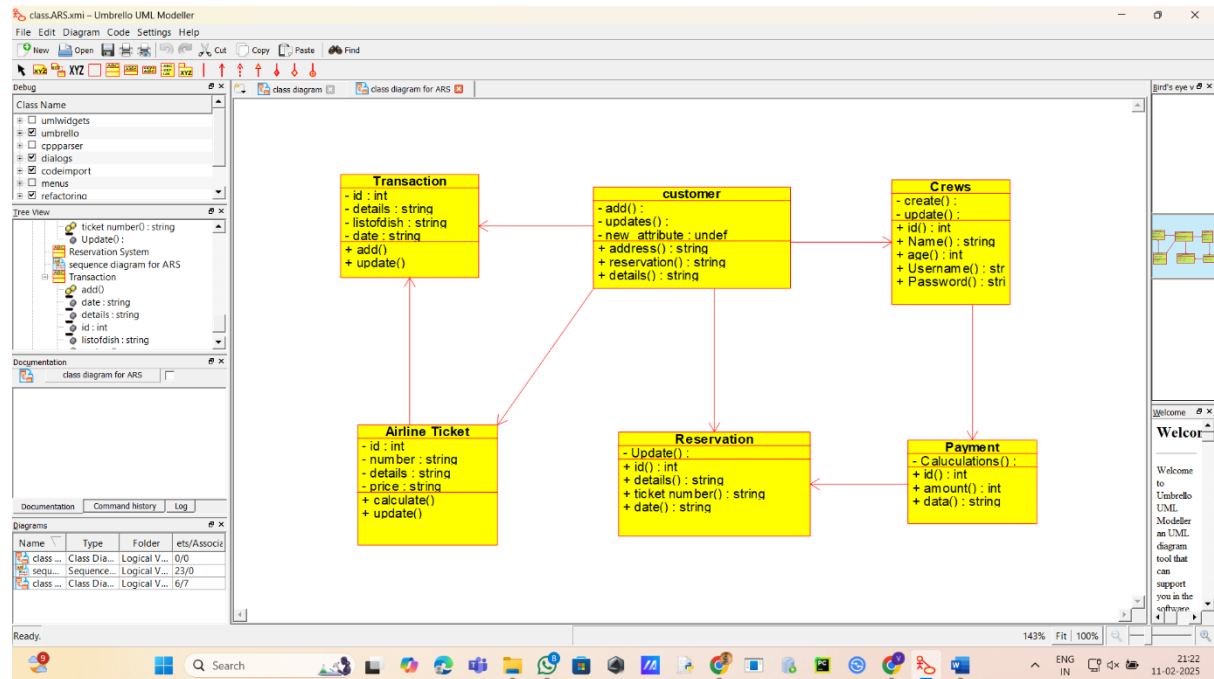
Organize the description in a clear, structured format for easy understanding and future reference.

OBSERVATION:

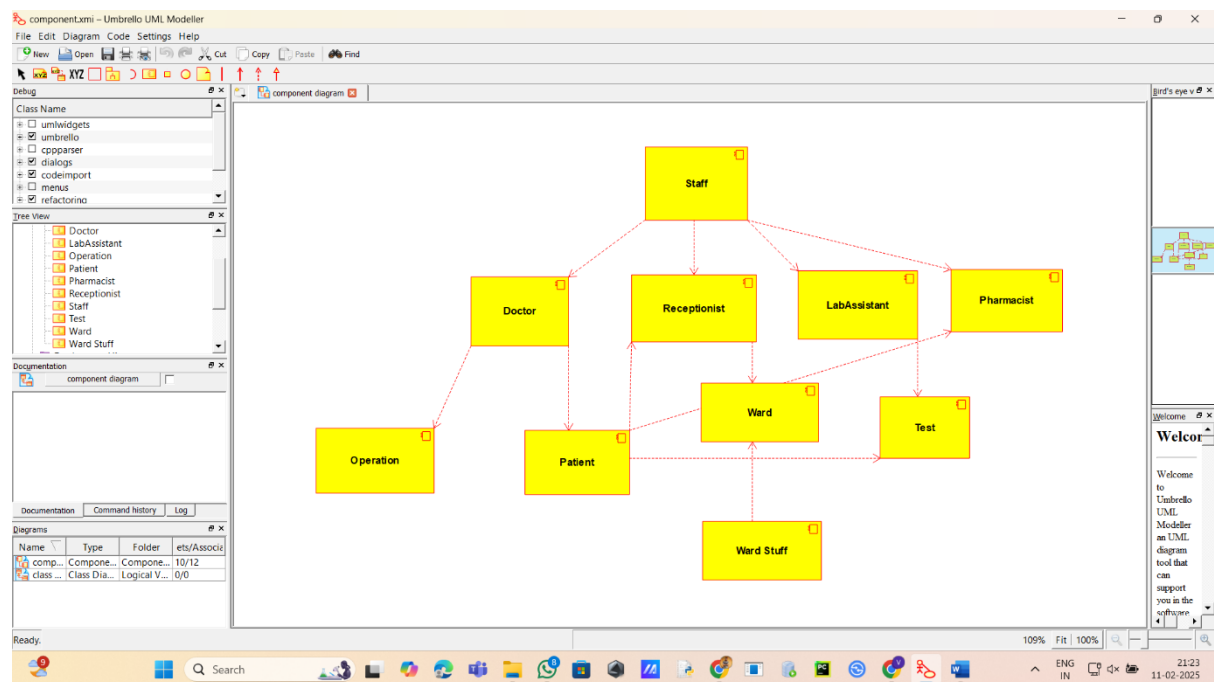
ACTIVITY DIAGRAM



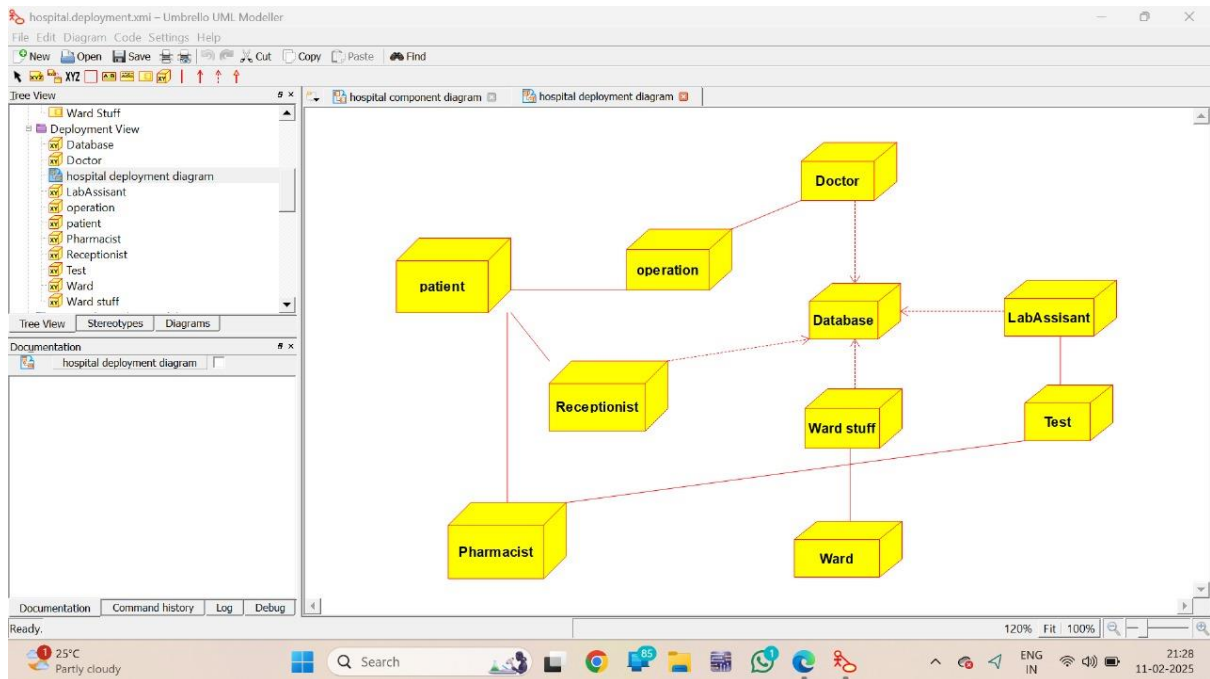
CLASS DIAGRAM



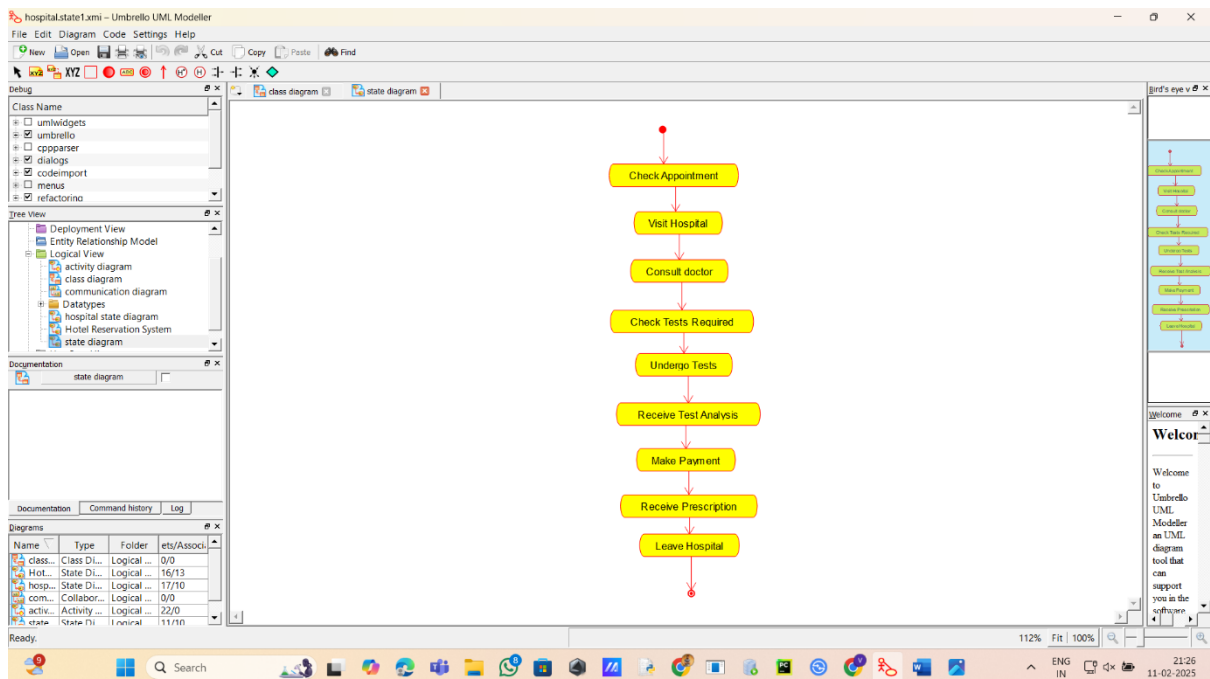
COMPONENT DIAGRAM



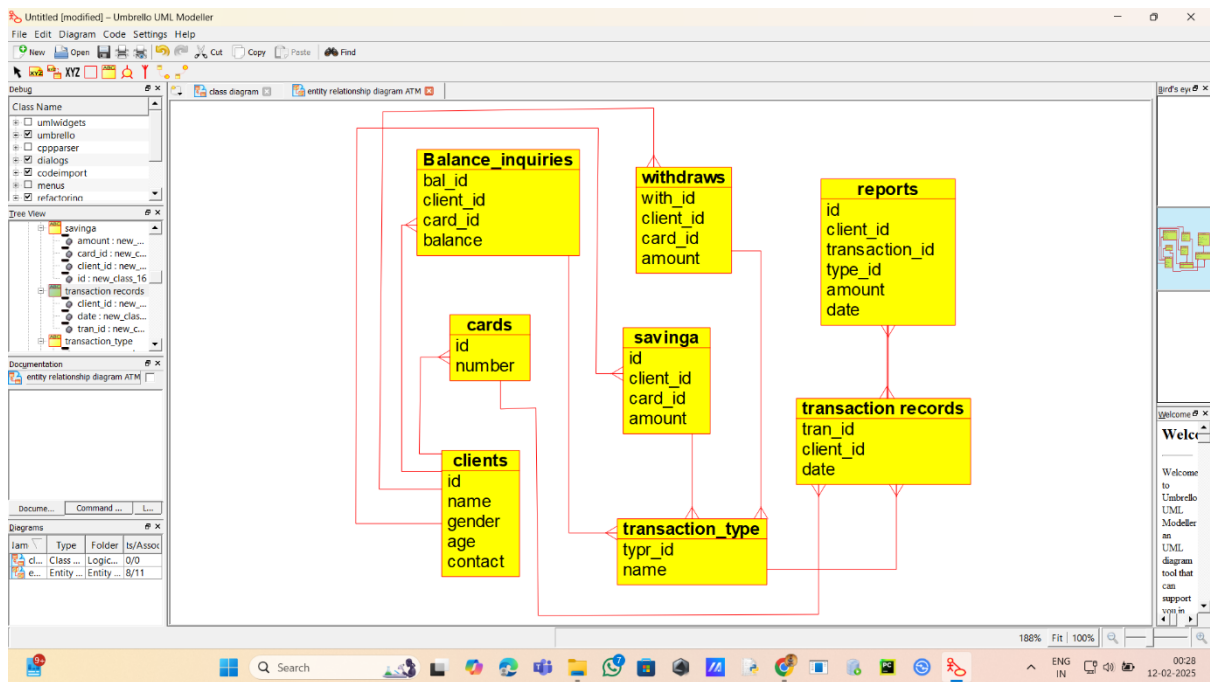
DEPLOYMENT DIAGRAM



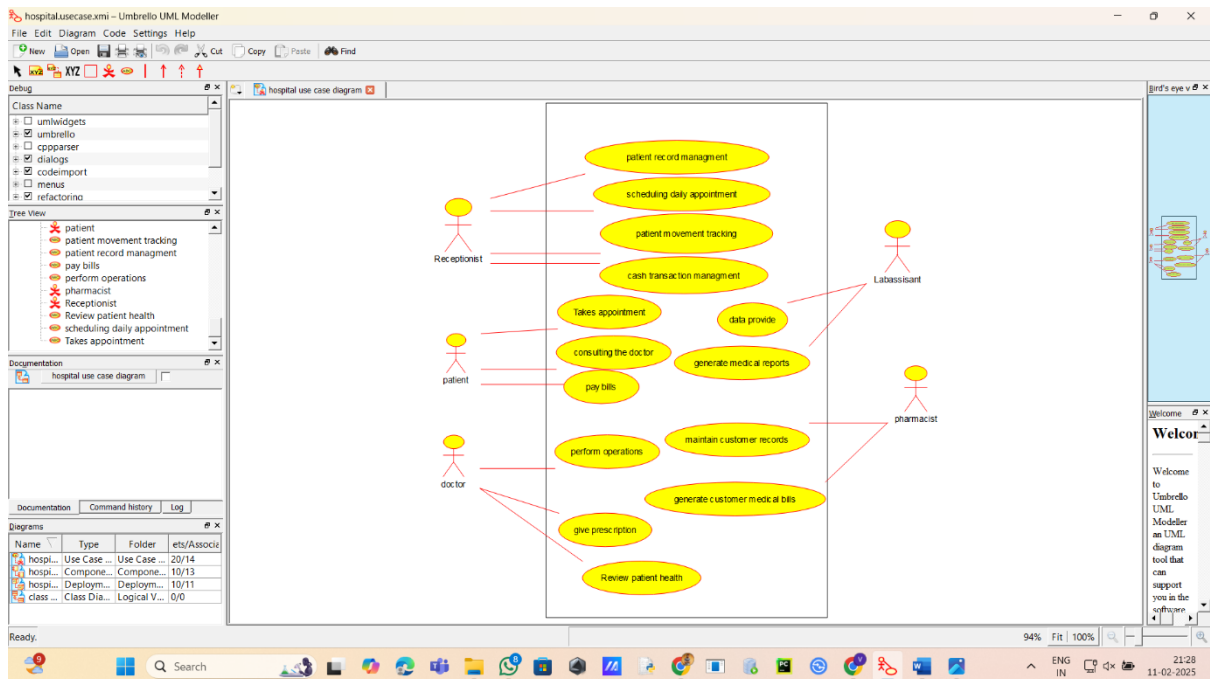
STATE DIAGRAM



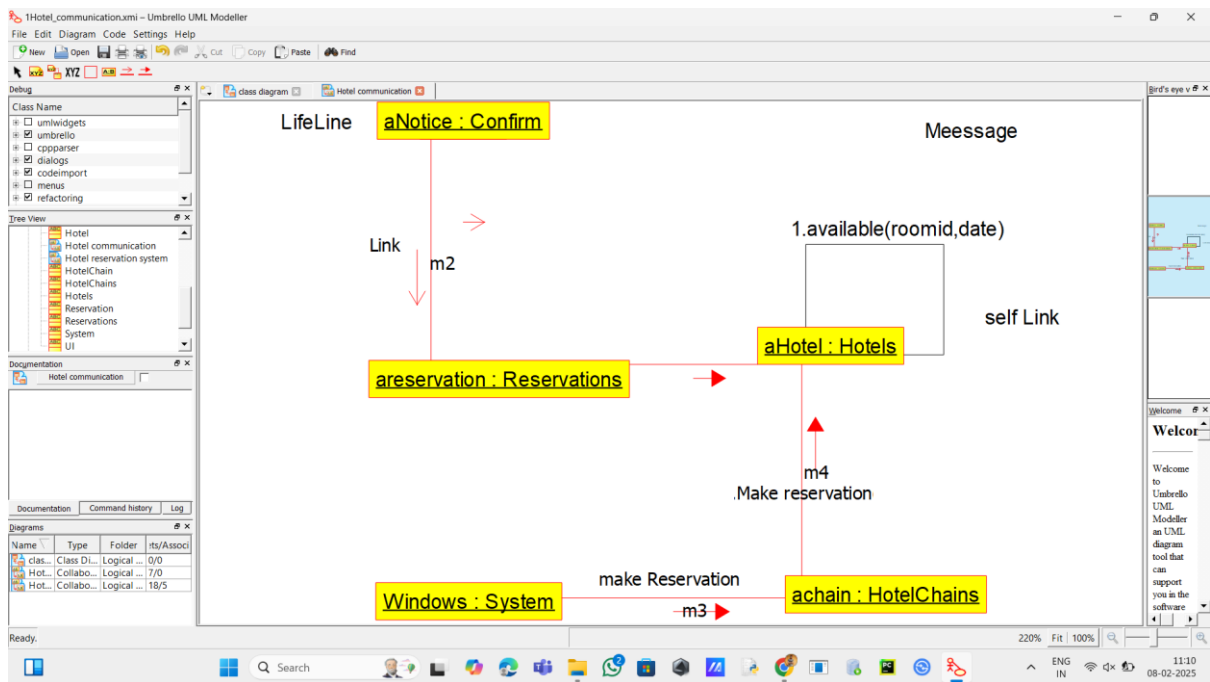
ER DIAGRAM



USE CASE DIAGRAM



COMMUNICATION DIAGRAM



RESULT

The **Hospital Reception Subsystem** is effectively described, detailing its role and functionalities within the Hospital Management System. This helps to understand how the subsystem supports patient management, inpatient admission, financial services, and medical reporting.