

# Bangladesh Open University School of Science & Technology Bachelor of Science in Computer Science and Engineering

# Laboratory Report

Course Title: System Analysis & Design Lab

Course Code: CSE22P5

Lab Report No.: 02

Lab Report Name: Create a use case diagram of hospital management system

## Submitted by

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Lab Report Name: Create a use case diagram of hospital management system.

### Instrument:

- Computer
- EdrawMax Software, etc.

### Procedure:

- At first, we have to learn about hospital management system.
- After learning about hospital management system, we have to power on the computer.

When the computer is ready to use, we have to open EdrawMax software.

- After opening EdrawMax software, we have to create the use case diagram of a hospital management system.
- Finally, after drawing the use case diagram, we have to ensure the use case diagram is correct.

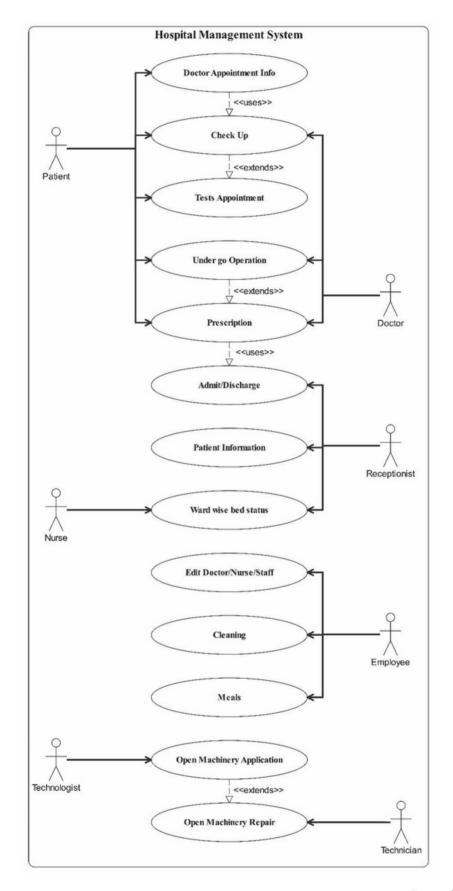
### Hospital Management System:

### 1. Actors

- o Patient: An actor related to hospital management system.
- o Doctor: An actor related to hospital management system.
- o Nurse: An actor related to hospital management system.
- o Receptionist: An actor related to hospital management system.
- o Employee: An actor related to hospital management system.
- o Technologist: An actor related to hospital management system.
- o Technician: An actor related to hospital management system.
- 2. Doctor Appointment Info: This likely refers to updating the system on appointments.
- 3. Check Up: This could be the initial consultation with a doctor.
- 4. Tests Appointment: This could be for lab tests, X-rays, etc.
- 5. Undergo Operation: This could be a surgical procedure.
- 6. Prescription: This could be for medication after a diagnosis.
- 7. Admit/Discharge: This refers to admitting a patient to the hospital or discharging them.

- 8. Patient Information: This refers to registering new patients or updating a patient's medical record.
- 9. Ward wise bed status: This refers to updating the system on bed availability in different wards.
- 10. Edit Doctor/Nurse/Staff: This could be for updating staff information within the system.
- 11. Cleaning: This likely refers to logging cleaning tasks.
- 12. Meals: This likely refers to ordering meals for patients.
- 13. Open Machinery Application: This could be launching specific software to operate medical equipment.
- 14. Open Machinery Repair: This could be for reporting malfunctioning equipment.

# Use Case Diagram:



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