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

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Bangladesh Open University

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Lab Report No.: 02

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

Instrument:
- Computer
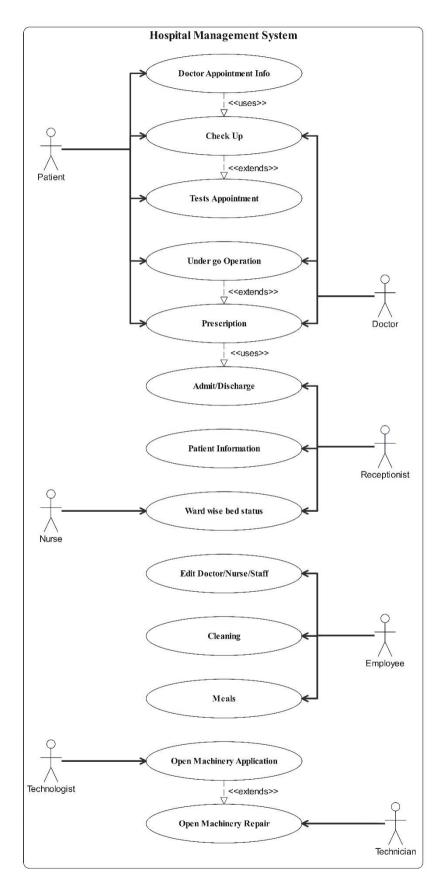- EdrawMax Software, etc.

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
   - Patient: An actor related to hospital management system.
   - Doctor: An actor related to hospital management system.
   - Nurse: An actor related to hospital management system.
   - Receptionist: An actor related to hospital management system.
   - Employee: An actor related to hospital management system.
   - Technologist: An actor related to hospital management system.
   - 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: