

Introduction to Software Designing

In Class Quiz 1 - Use Case Diagram

Instructions:

This is an individual assignment and you will receive 30 minutes of time to complete the quiz. Make sure to **use a tool** (E.g.: <https://app.diagrams.net>) to draw the use case diagram.

After completing the drawing, follow the below steps to submit your answers.

1. Export your answer to a PDF.
2. Rename the PDF with your student ID and first name as per the below structure.

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Question

You have been requested to design a Doctor Channelling System, through which patients can register themselves and channel doctors as per their requirements.

Below are the expected functions of the system:

- Patients can register with the system by creating an account.
- Patients can search for doctors by name and their specialized area.
- Patients can make an appointment to meet particular doctor during their consulting dates and times.
- Once the appointment is booked successfully, patients can make the payments through a payment portal.
- System will automatically send appointment details to the patient and doctor after the payment is completed.
- Doctors can register with the system and their details will be visible to the users once the admin approves him/her.
- Doctors can check their list of appointments.
- Admin has the access to delete accounts of patients and doctors if the account is not valid.

Design the use case diagram for above requirements (Marks : 90%)

Mention any other functions you suggest to this Doctor Channelling System and include them also in your use case diagram (Marks : 10%).