

# Mid Semester Assignment, Course: - Object oriented system analysis and design

**Deadline: - Mentioned on SIC**

**Marks: - 20**

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**Program: - BS (CS), BS-SE**

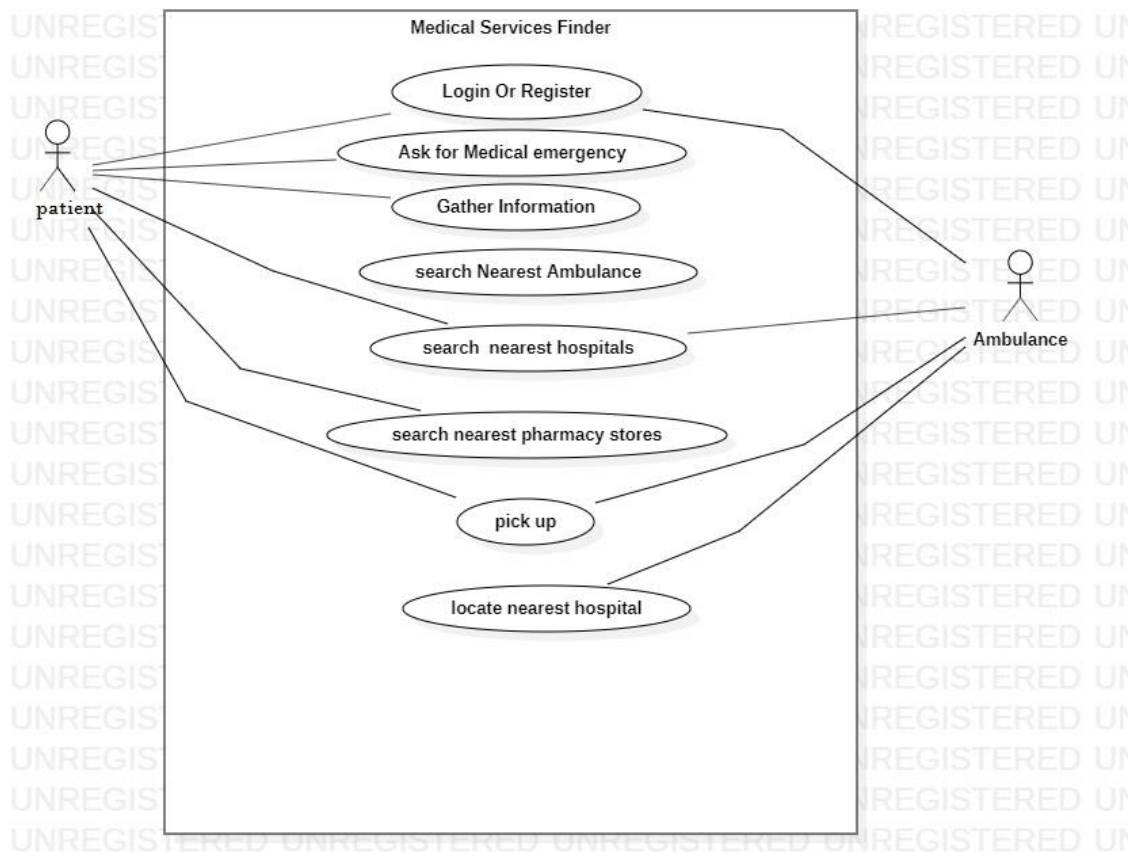
**Dated: 13 April 2020**

## MAJOR SESSIONAL ASSIGNMENT

Deadline: 10- June -2020 (5 pm)

Submit document having following tasks

1. Draw detailed USECASE DIAGRAM of your FYP Project along with description



**Description:**

**Use Case Name :** Request online chatting

**Description :** This use case describes how the actor can anonymously request to the ambulance, hospital, pharmacy shops.

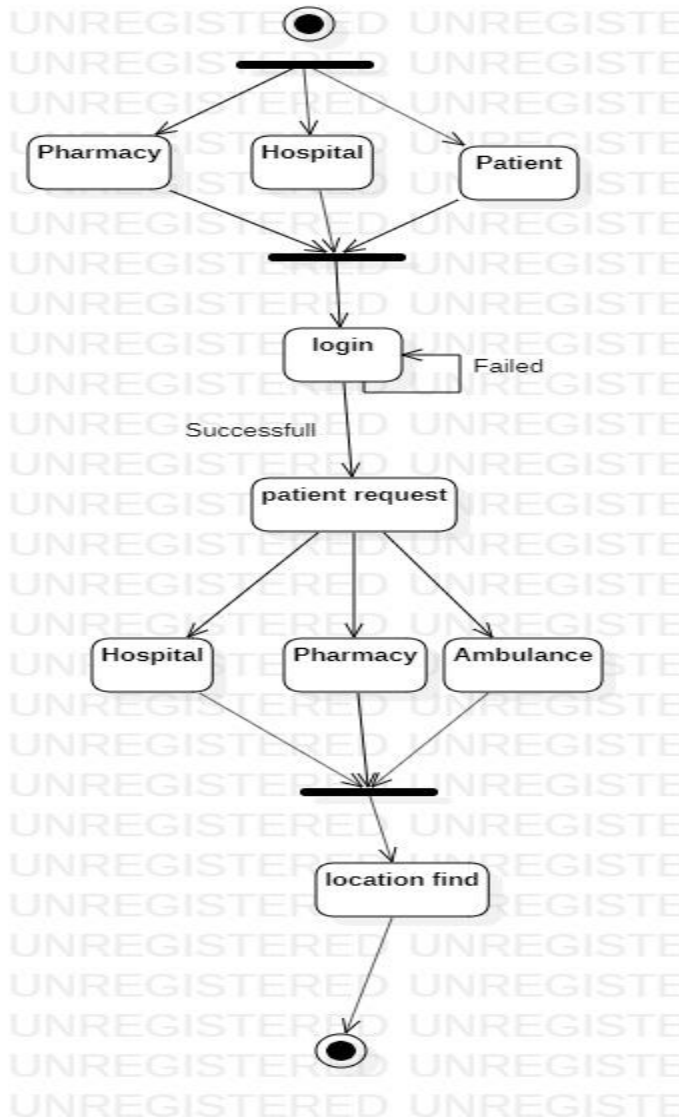
**Actor :** Patient, Ambulance Driver.

**Precondition :** 1. All actors must have the sign in identification. 2. Actor can request to the ambulance with those with online status.

**Scenarios**

**Post Conditions:** 1. Actor requests to the ambulance with the other driver.

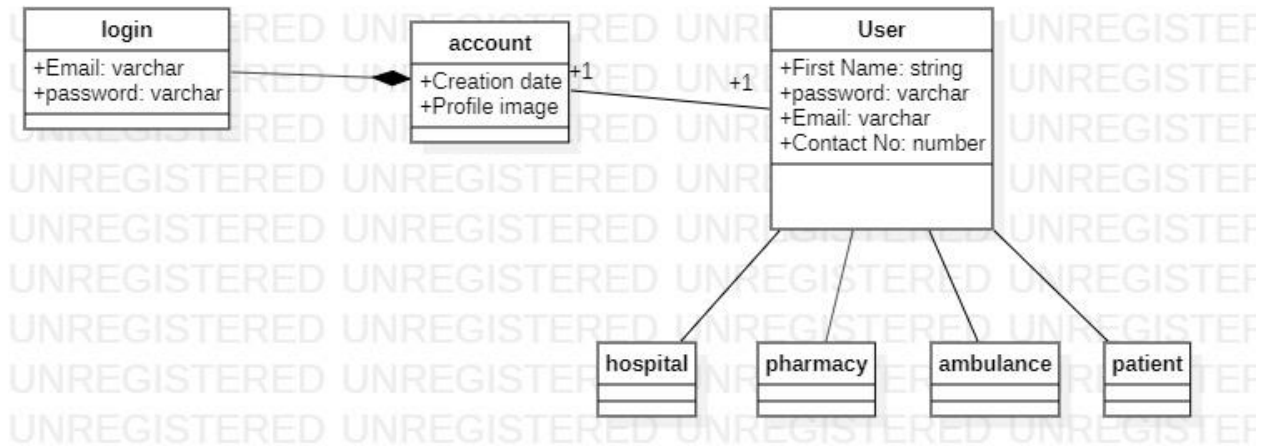
2. Draw detailed ACTIVITY DIAGRAMS of your FYP Project along with description



**Description:**

Activity diagram can describe all the step by step activity in the app. First the app starts it opens the page in which we choose the login option that is pharmacy, hospital, ambulance, patient. When the login successful the patient request for the pharmacy, hospital, ambulance when they send request it will show the location of the desired.

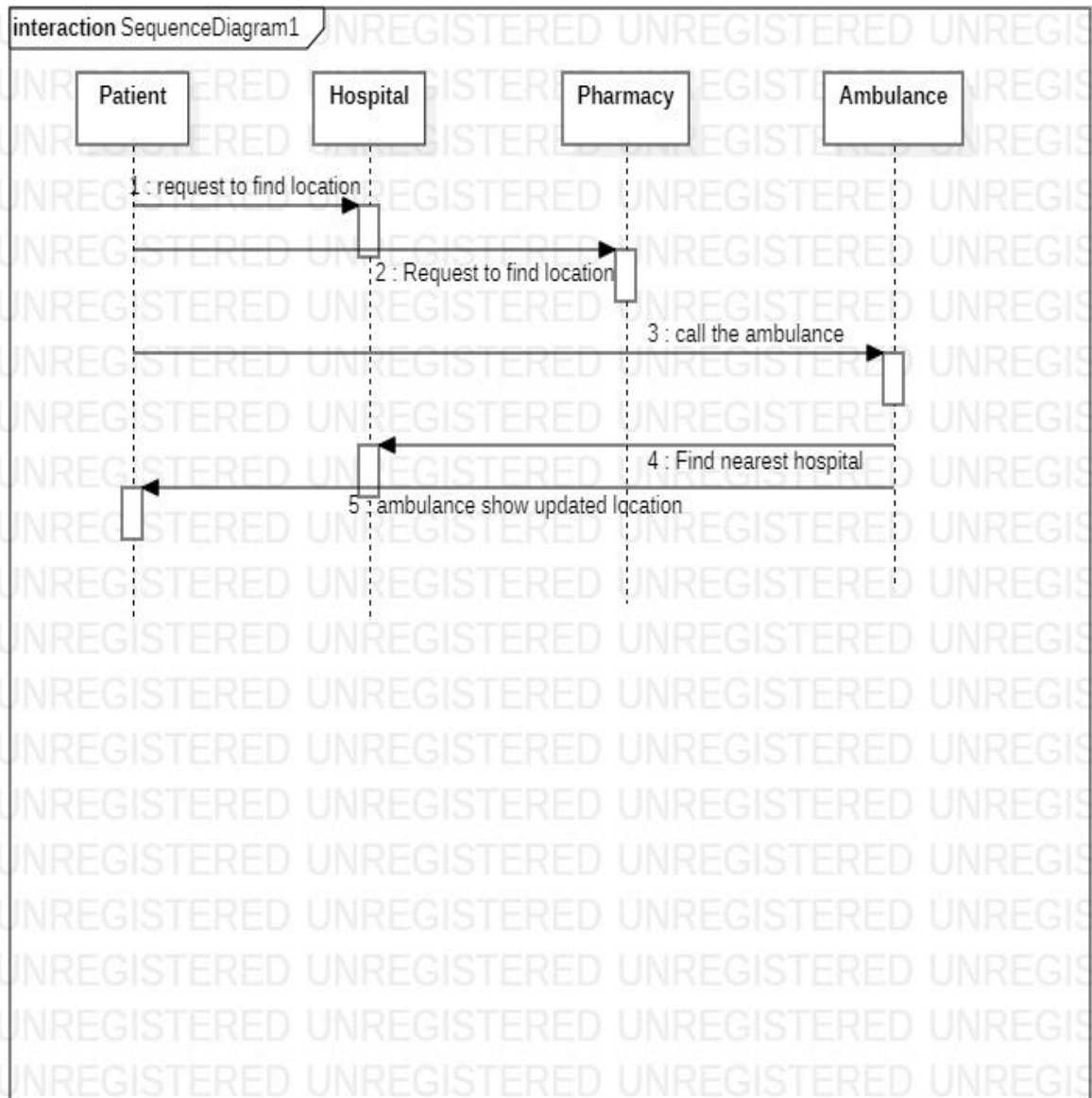
3. Draw detailed CLASS DIAGRAMS of your FYP Project along with description



**Description:**

Class diagram is the diagram in which we show all the classes of the app that in that class that attributes will interact and in that class that attributes interact and it tells us the all the function in which we have to show.

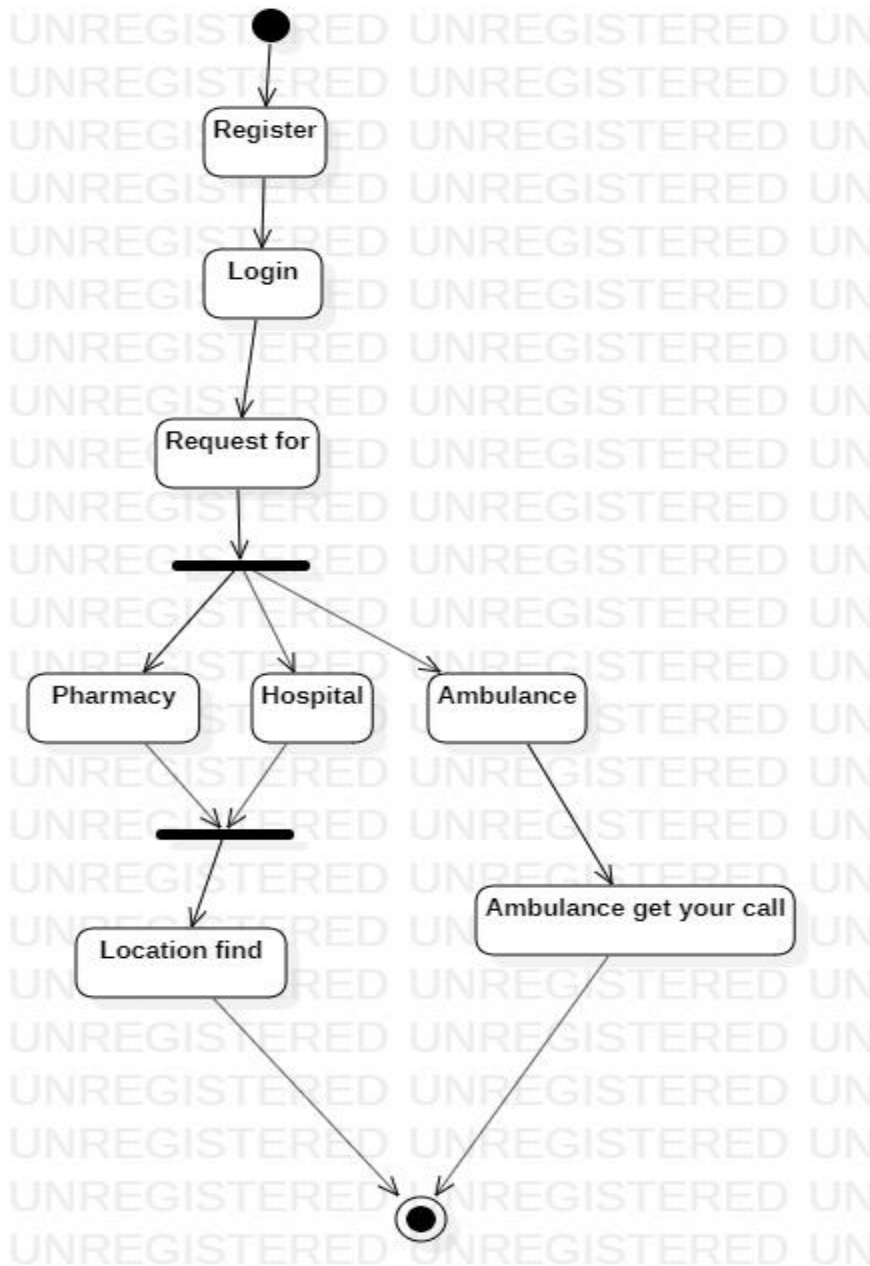
4. Draw detailed SEQUENCE DIAGRAMS of your FYP Project along with description



**Description:**

Sequence diagram is that in which an can show there sequence that how and in what sequence the app is going like the patient can send request for finding the nearest location of the hospital. If the patient want to find the nearest pharmacy shop he can find. If the patient want to call the ambulance he can send request to the ambulance and the ambulance will be notified and reach to the patient location.

5. Draw detailed STATE CHART DIAGRAM of your FYP Project along with description



**Description:**

In the state chart diagram it tell that how the app will be go in every state like the patient send request for the hospital and pharmacy when the location find he can easily go to that hospital. If the patient want to call the ambulance then he can send request to the ambulance nearby and the ambulance will be notified if he is not working.