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# **UML Documentation**

**for**

## **Virtual Clinic - An Integrated Care System**

**Version 1.4 approved**

**Prepared by  
Mishal Shah 16CO125  
Samyak Jain 16CO254**

**NITK, Surathkal Karnataka**

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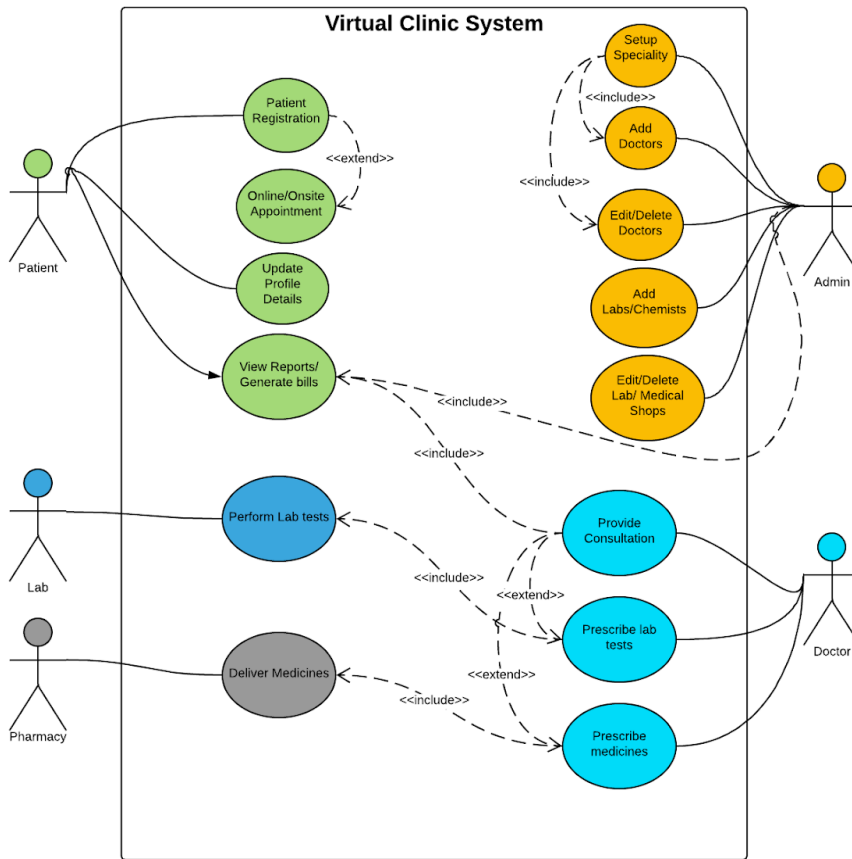
## Revision History

Name	Date	Reason For Changes	Version
Virtual Clinic	21/02/18	Initial Creation	1.0
Virtual Clinic	23/02/18	Use Case Diagram, Class Diagram	1.1
Virtual Clinic	24/02/18	Activity Diagram, Sequence Diagram, State Machine Diagram	1.2
Virtual Clinic	25/02/18	Collaboration Diagram, Deployment Diagram	1.3
Virtual Clinic	26/02/18	Revised Sequence Diagram, explained description for activity diagram	1.4

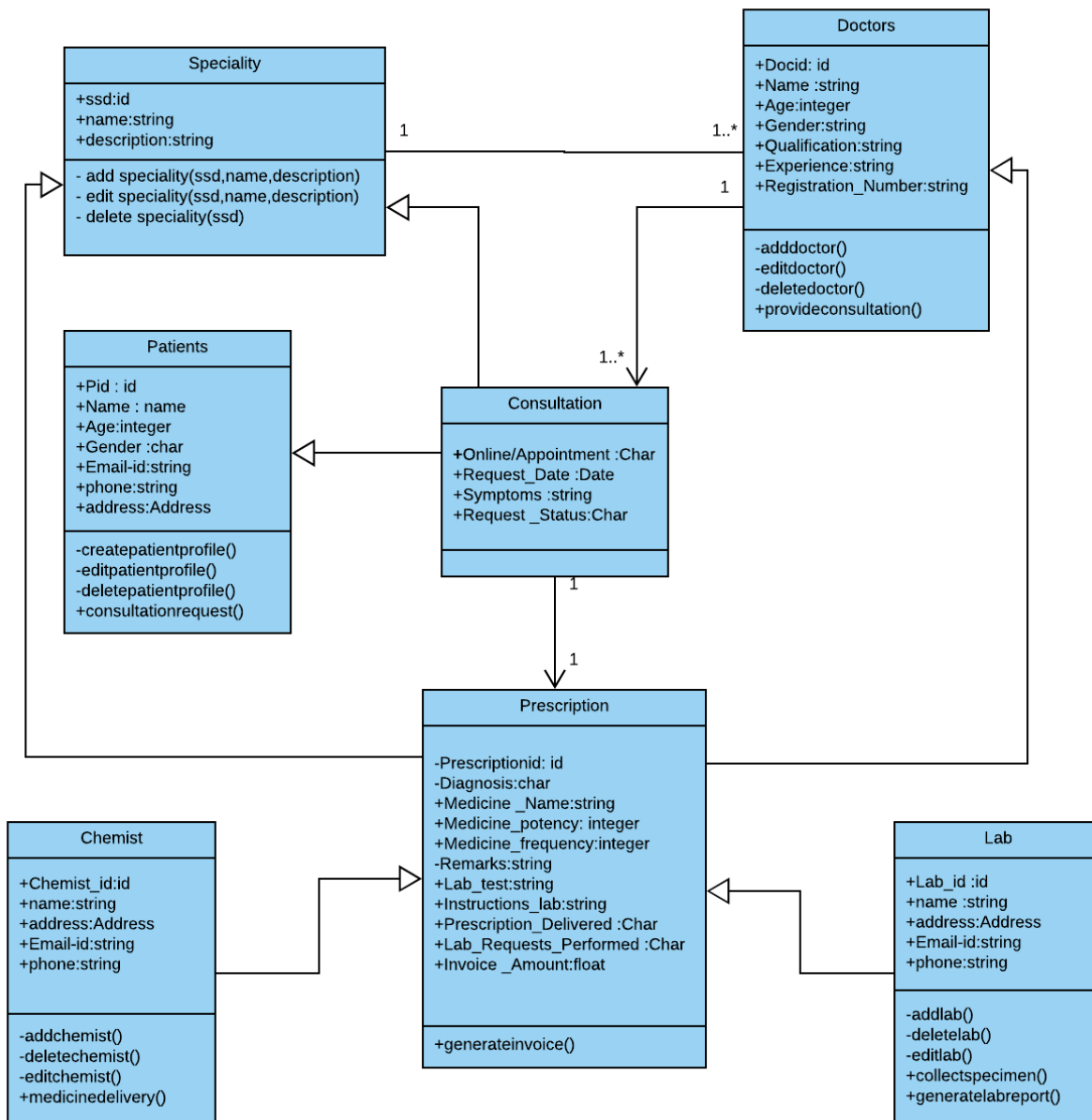
## Contents

1. Use Case Diagram
2. Class Diagram
3. Activity Diagram
4. Sequence Diagram
5. Collaboration Diagrams
6. State Machine Diagram
7. Component Diagram
8. Deployment Diagram

# 1. Use Case Diagram



## 2. Class Diagram



### 3. Activity Diagram

#### Explanation:

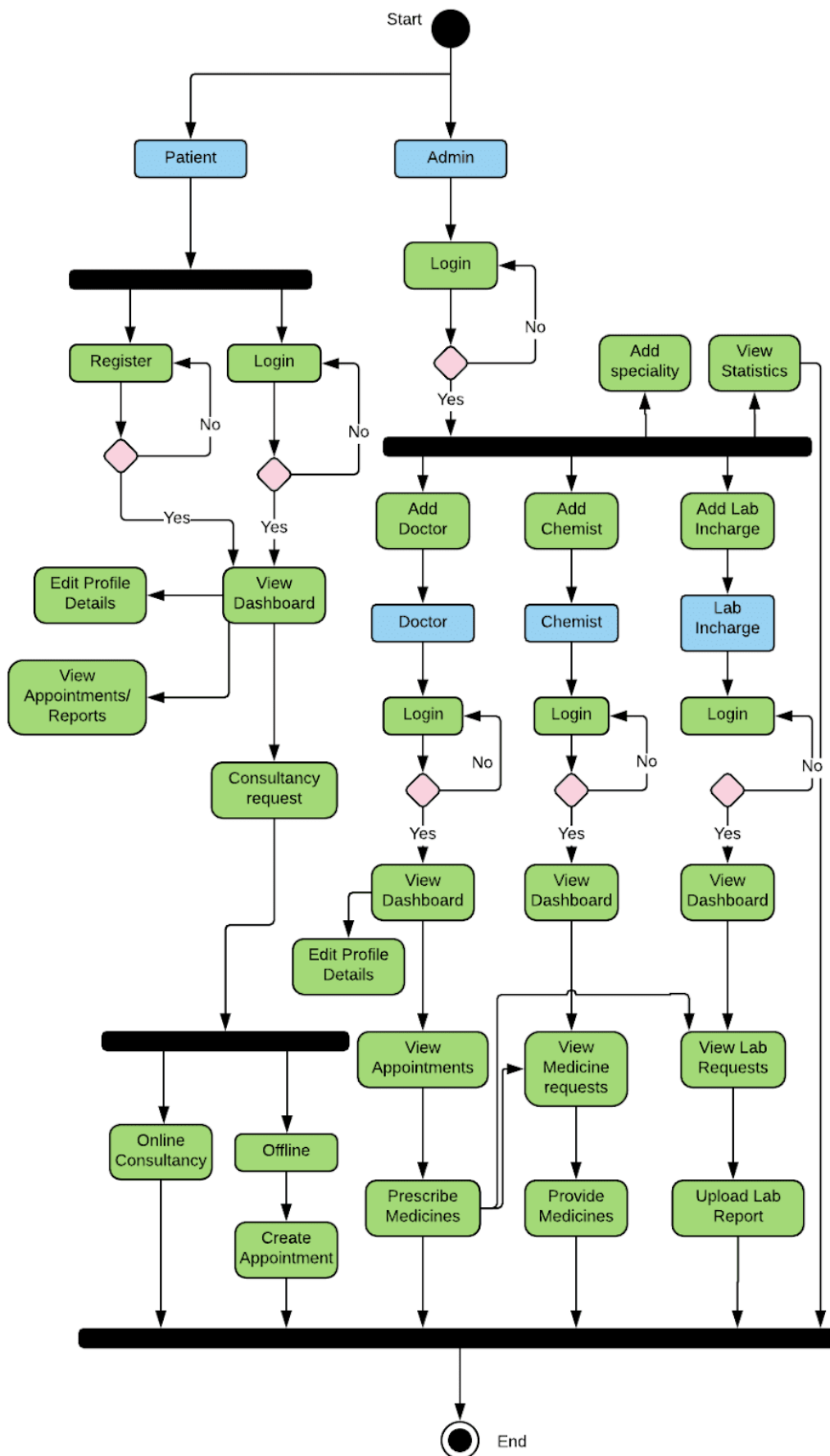
When the system starts, the admin/patient logs into the system, only if they are valid credentials they are lead to the system interface to perform more actions onto the system, else they are again lead back to the login/registration page. Admin has the power to add doctors, chemist, lab. Once their credentials are shared with the corresponding stakeholder, they login to the system. Admin can further also view system statistics, add speciality of doctors to the system.

Patient stakeholder can update his/her profile, view previous appointments/requests done and also make a new appointment.

Doctor stakeholder can also update his/her profile details, view the appointments in his/her dashboard and provide consultation, prescribe medicines/lab test.

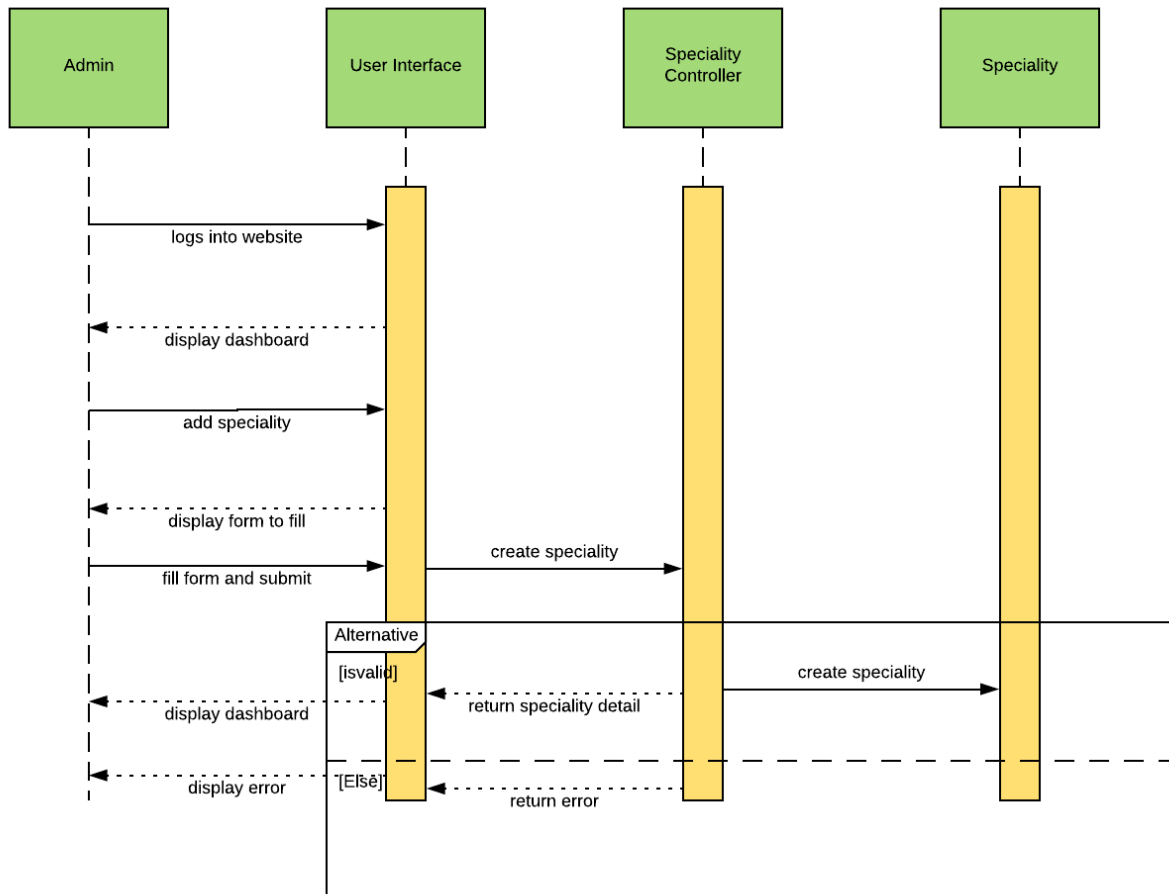
Chemist stakeholder on logging into the system can view the medicines to be delivered to a particular patient and upon delivery update the status of delivery.

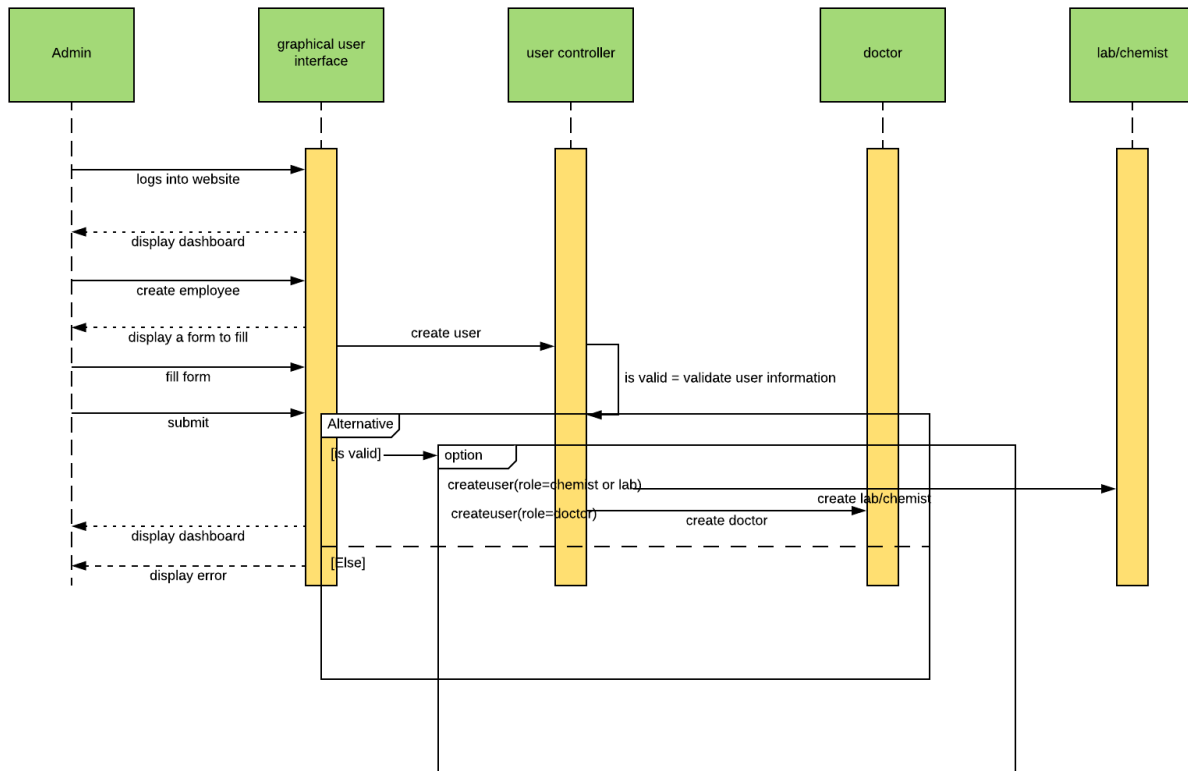
Lab incharge stakeholder on logging into the system can view the lab tests to be done for a particular patient and update the reports after test for patient to view.



## 4. Sequence Diagrams

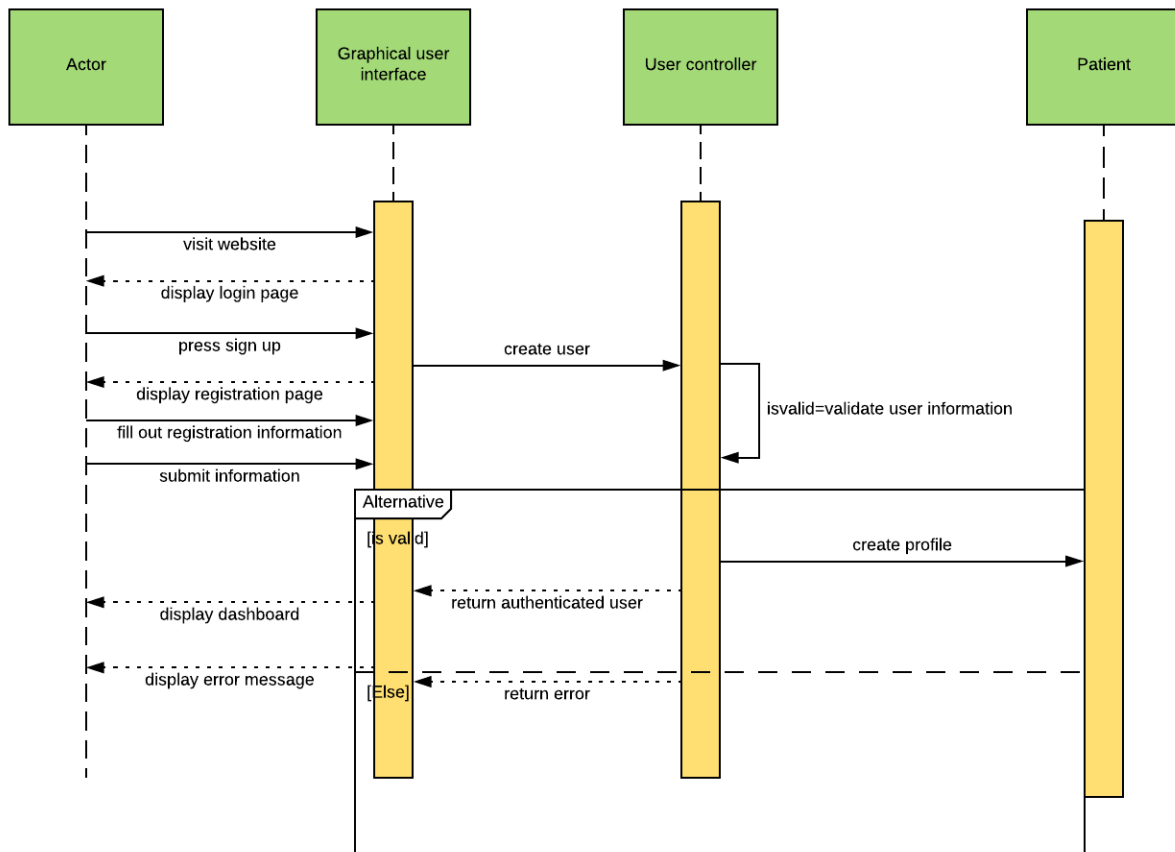
### a) Add speciality

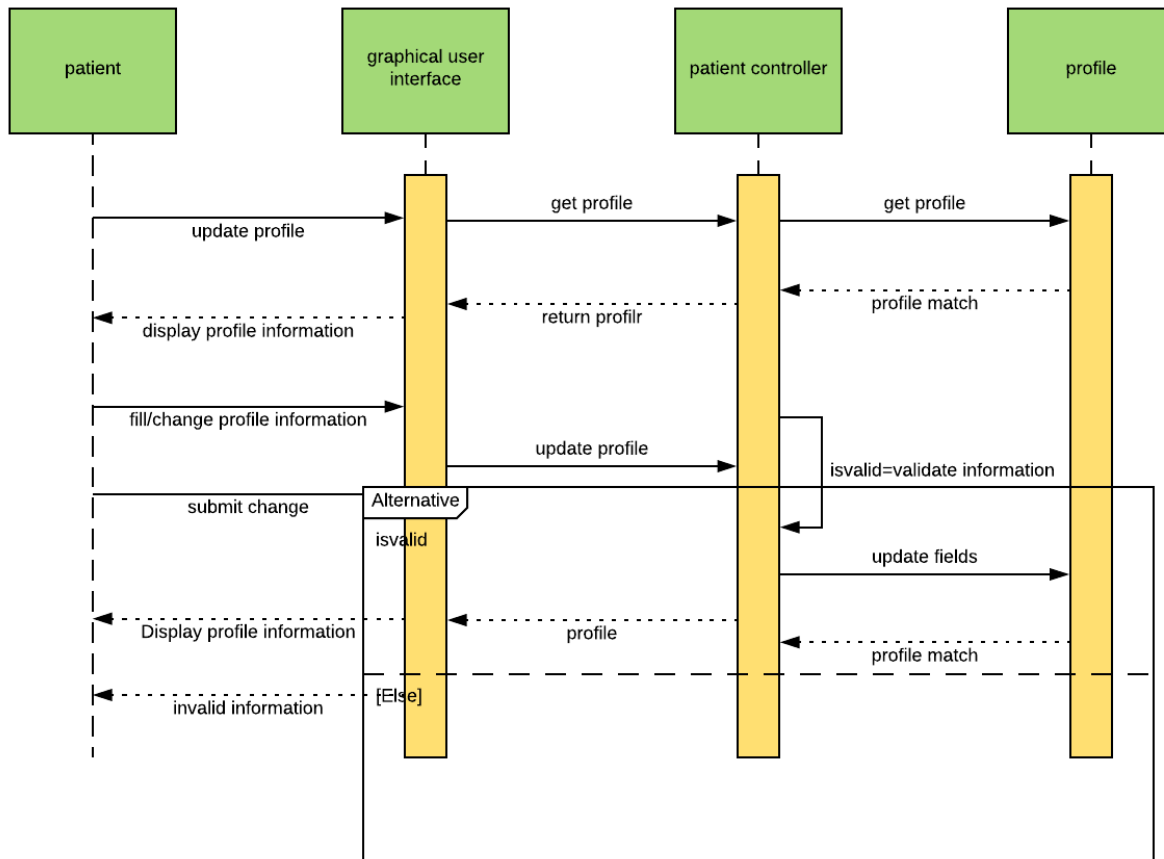


**b) Add doctor, chemist, lab**

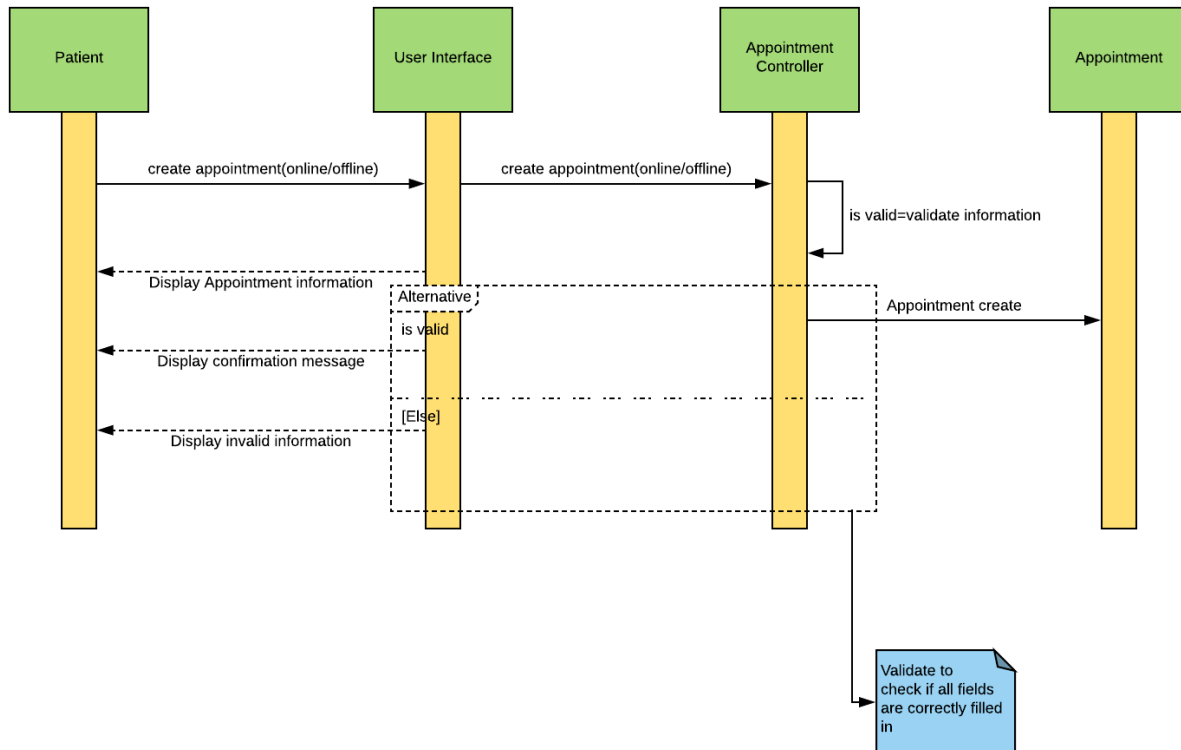


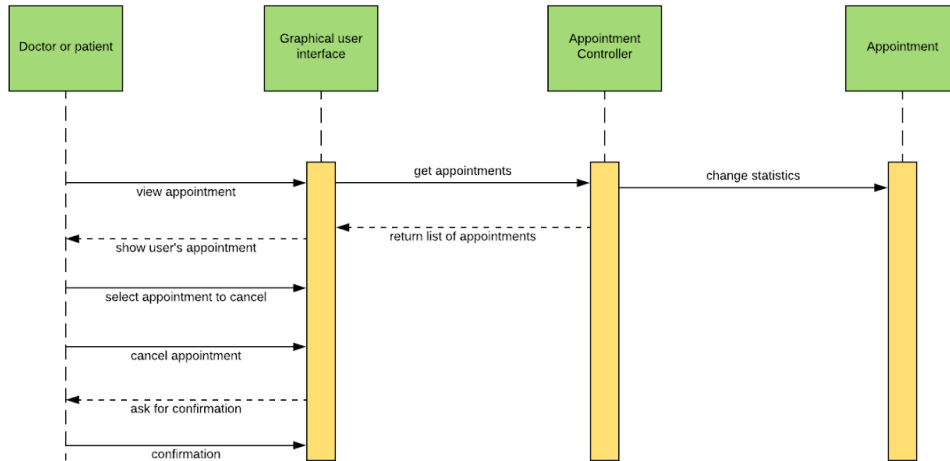
## c) Patient Registration

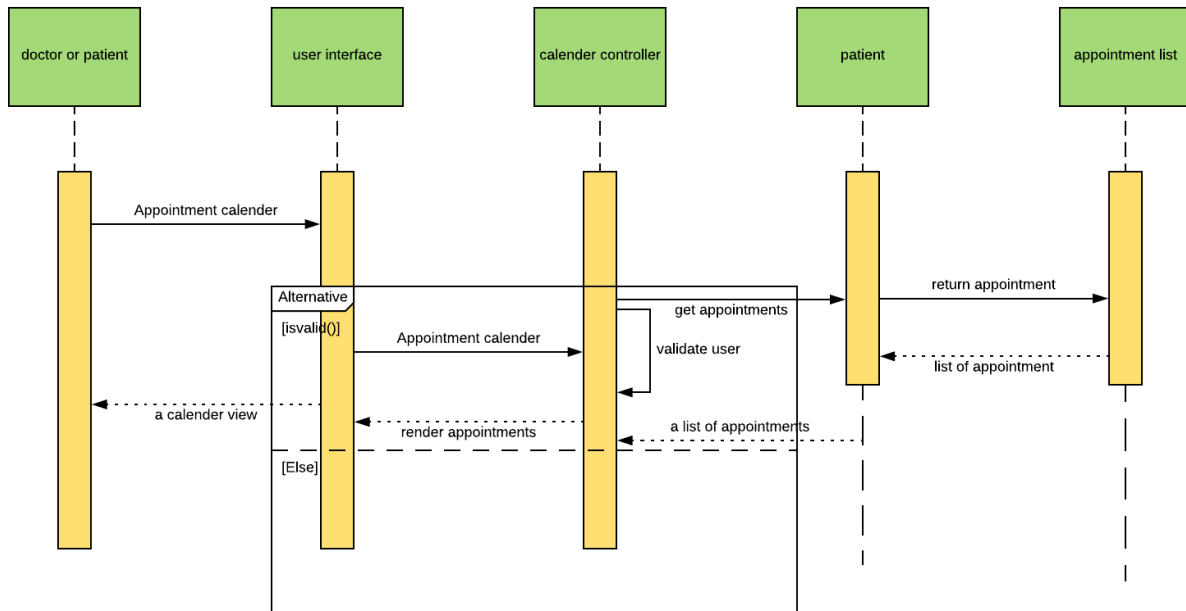


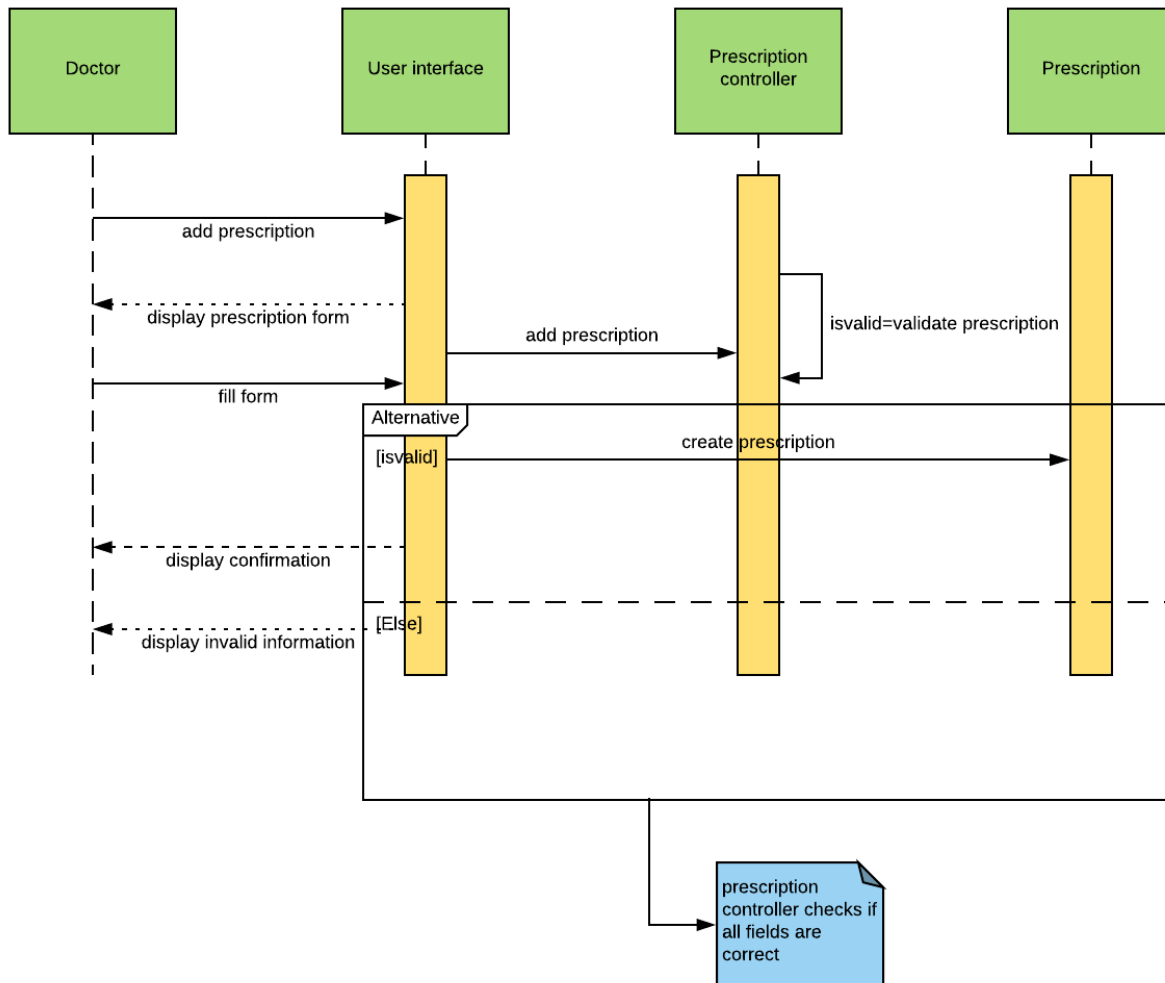
**d) Update Patient Profile**

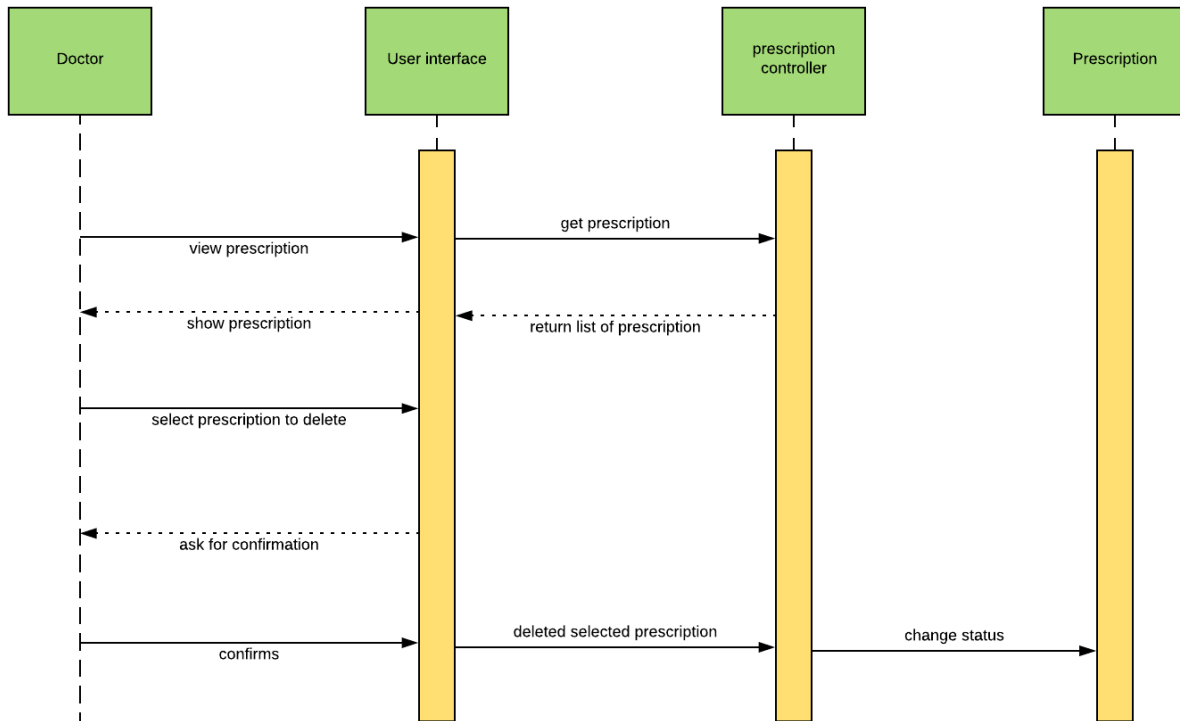
## e) Consultation Request



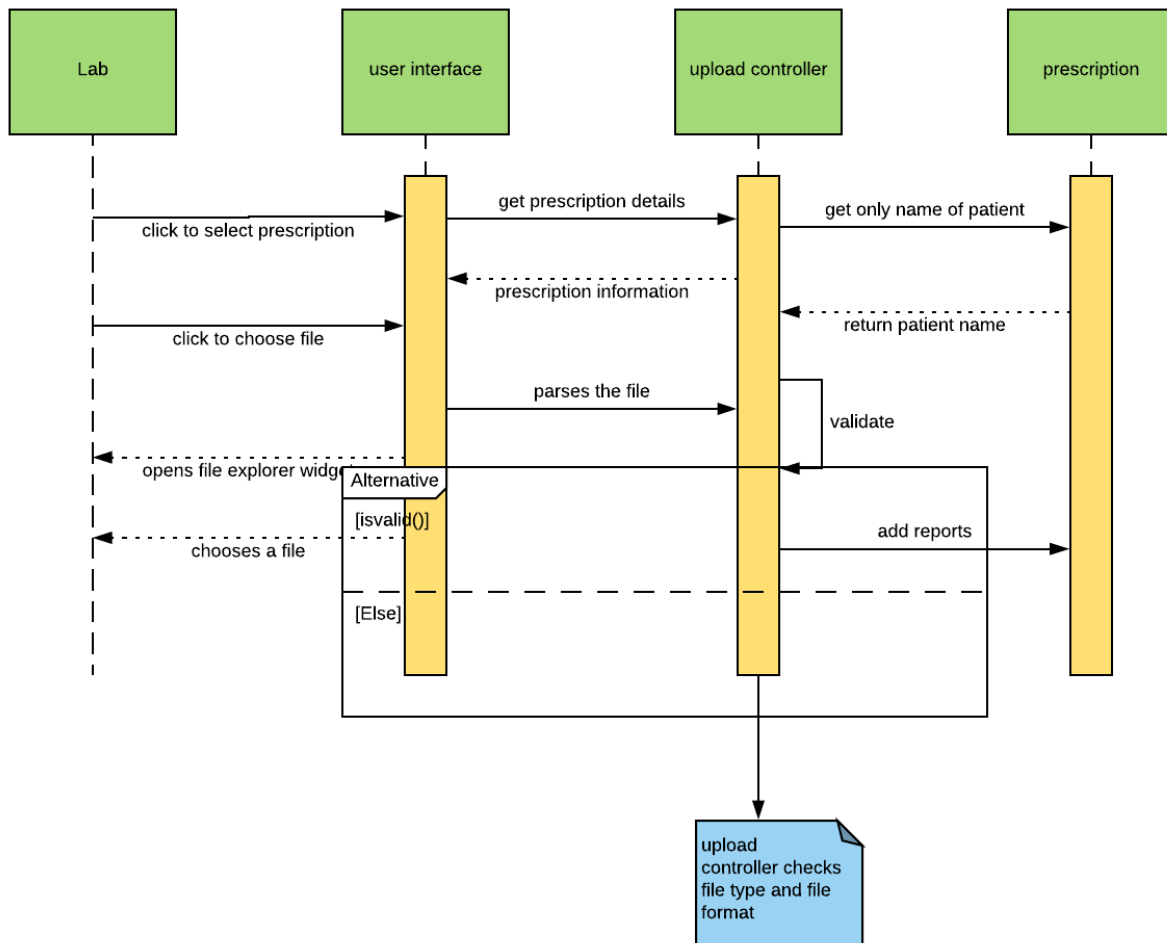
**f) Cancel Appointment(offline)**

**g) Appointment Calendar**

**h) Add Prescription (Give Consultation)**

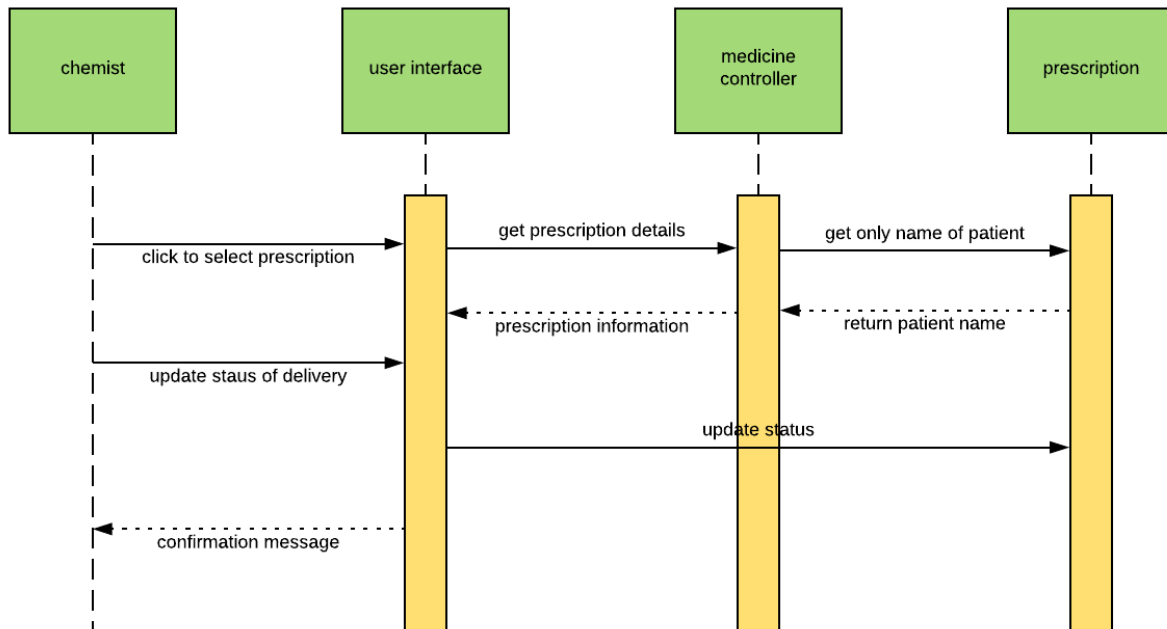
**i) Remove Prescription**

## j) Lab Reports

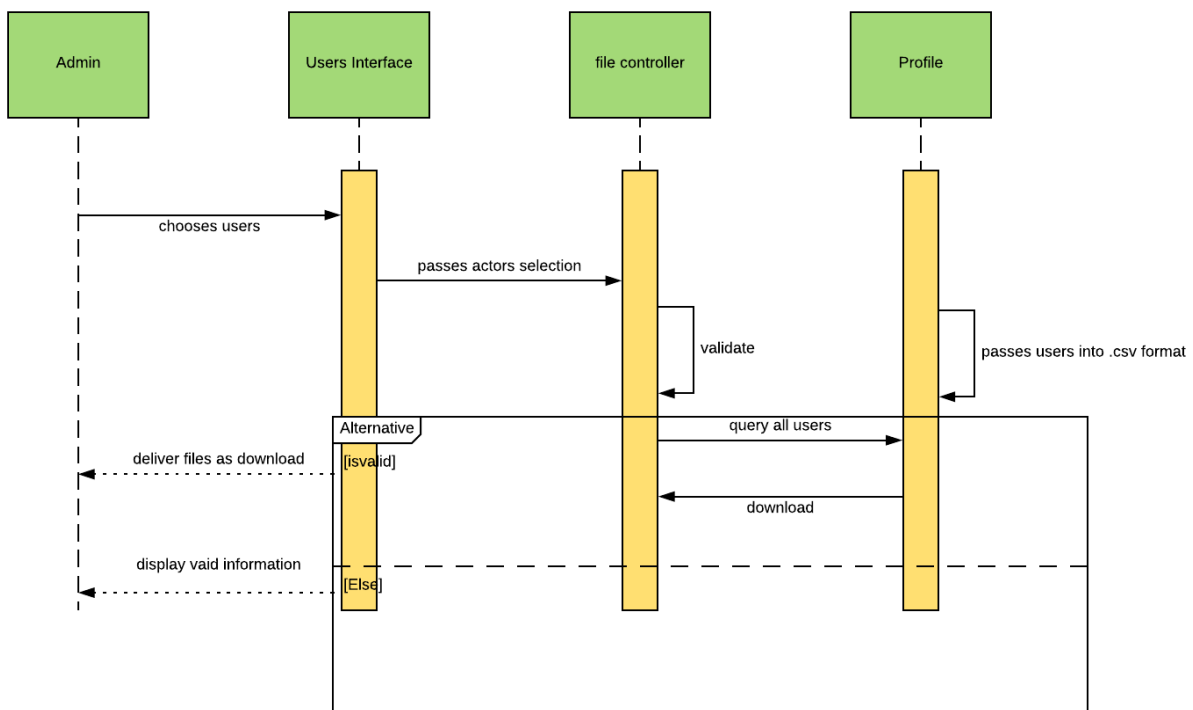




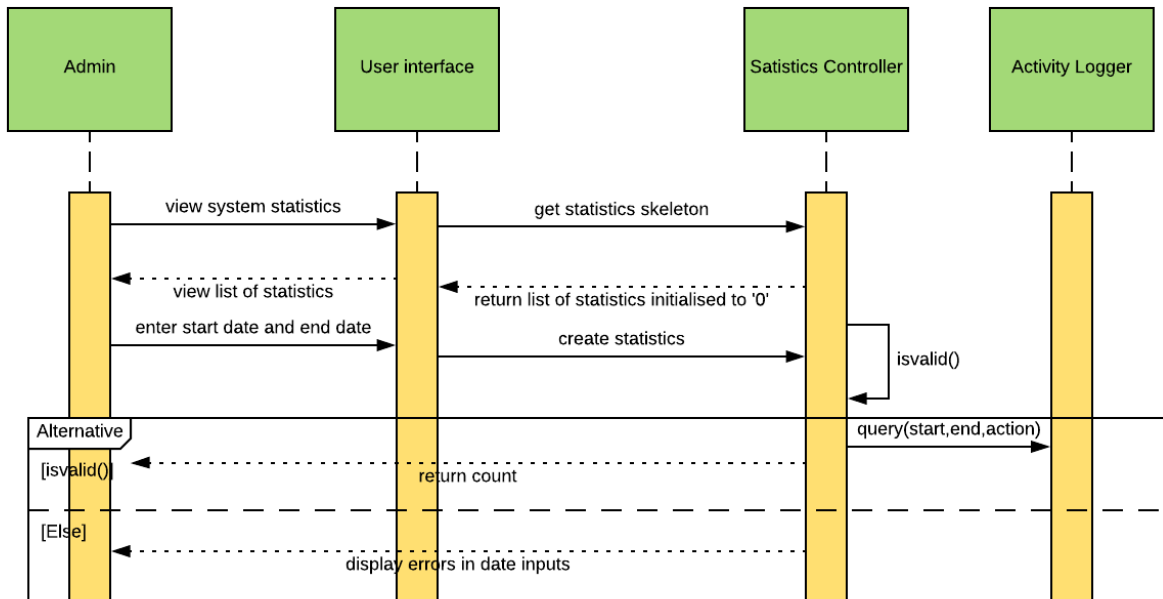
### k) Chemist Medicine Delivery



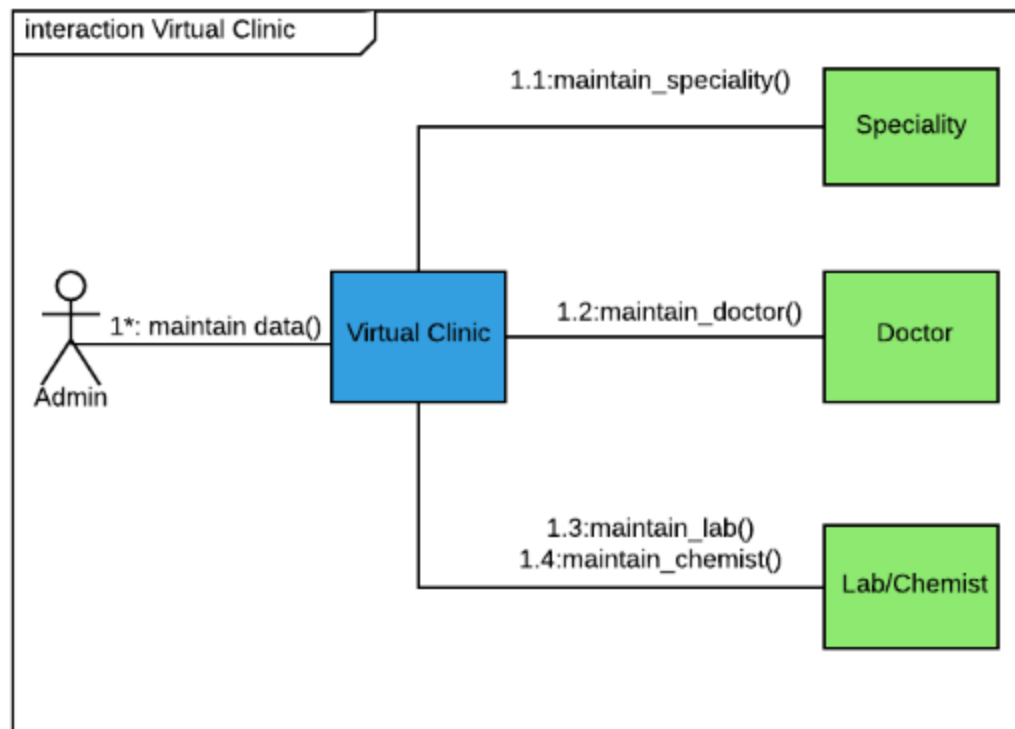
### l) File System Management

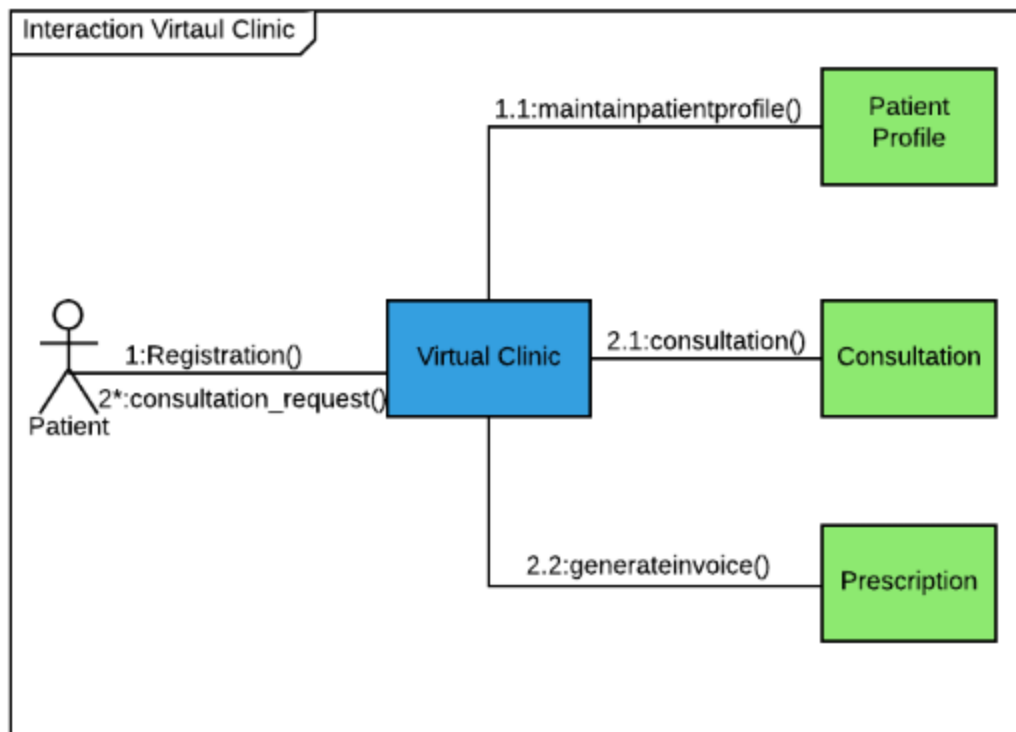


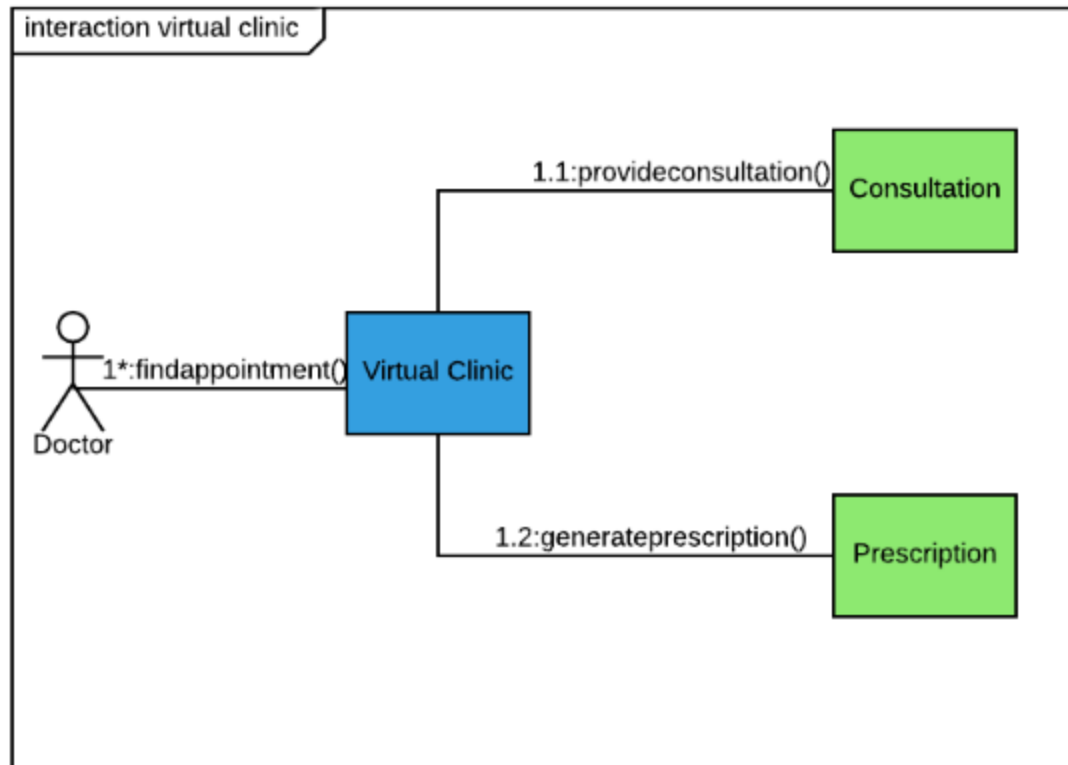
## m) View System Statistics

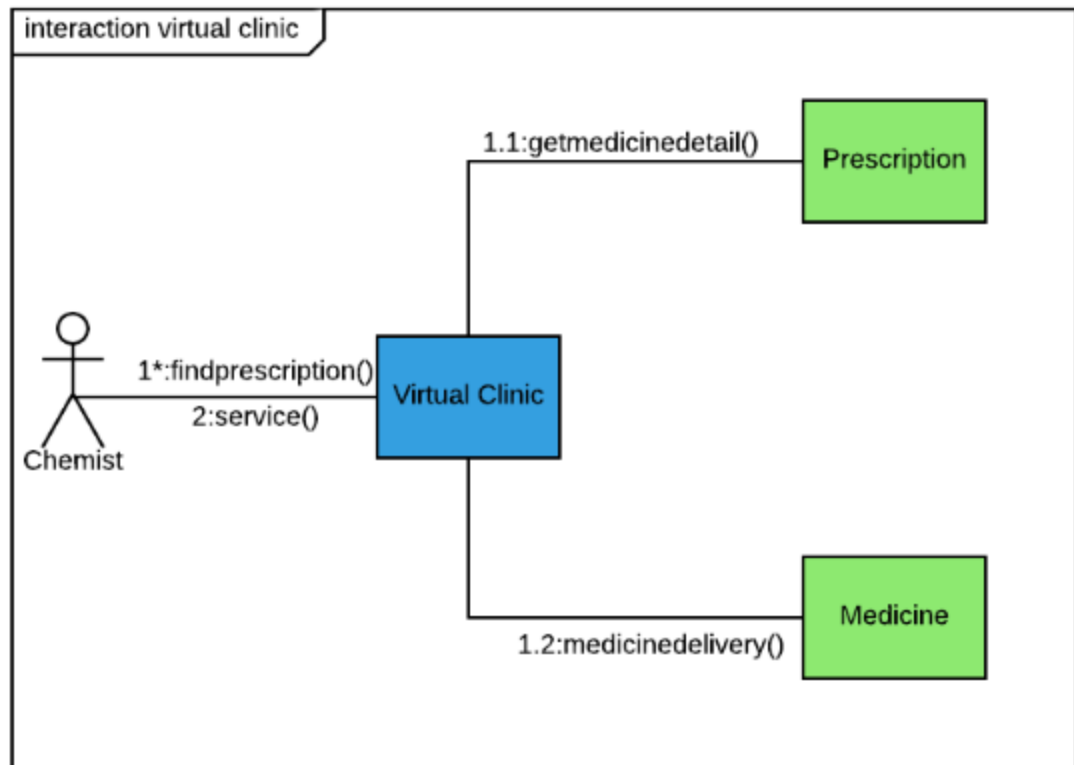


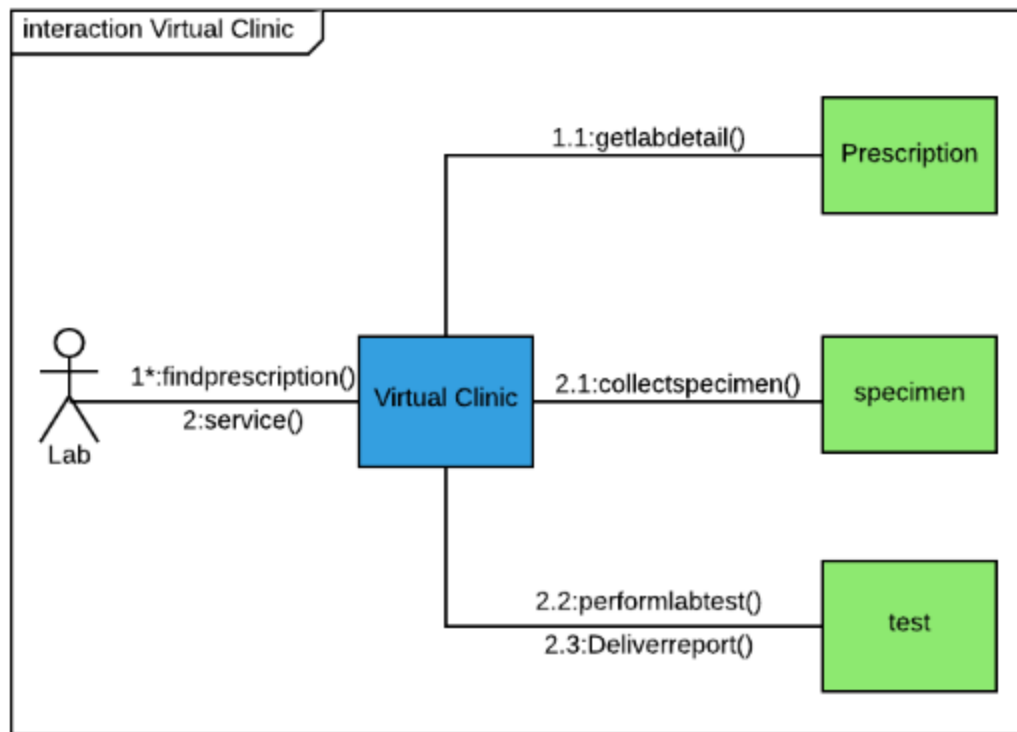
## 5. Collaboration Diagrams



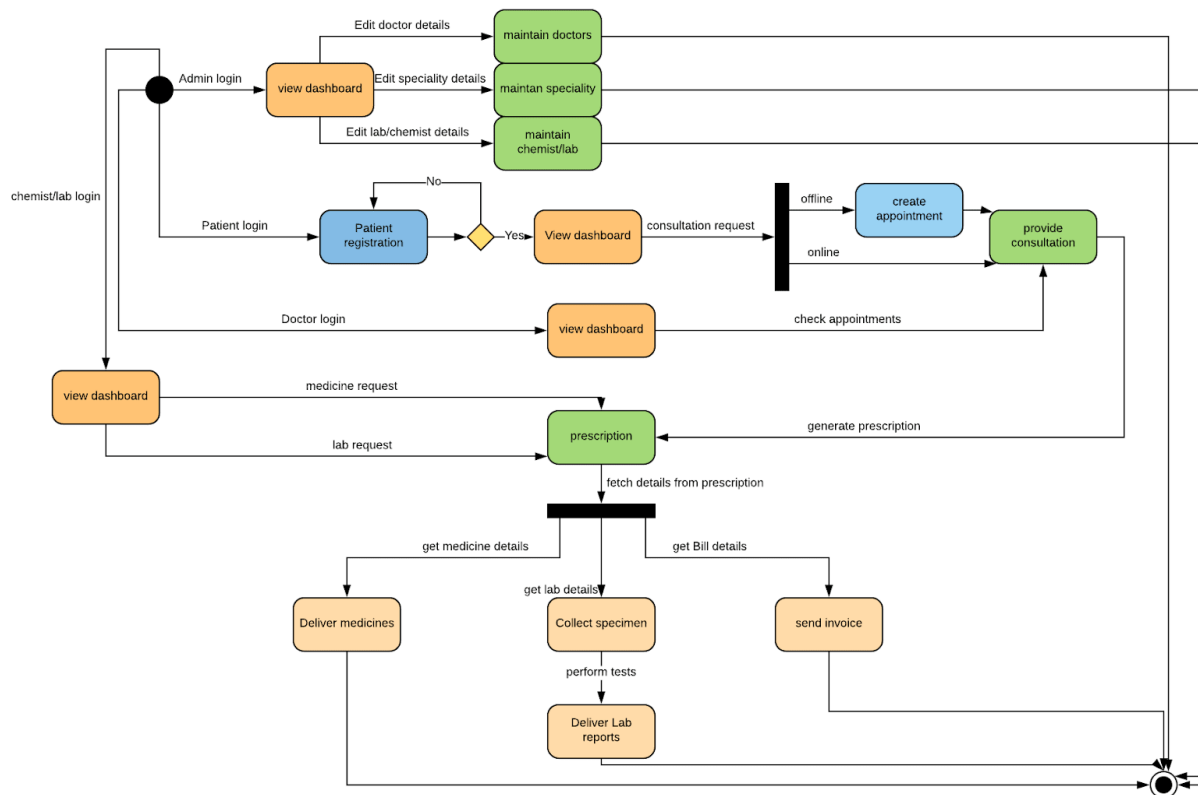






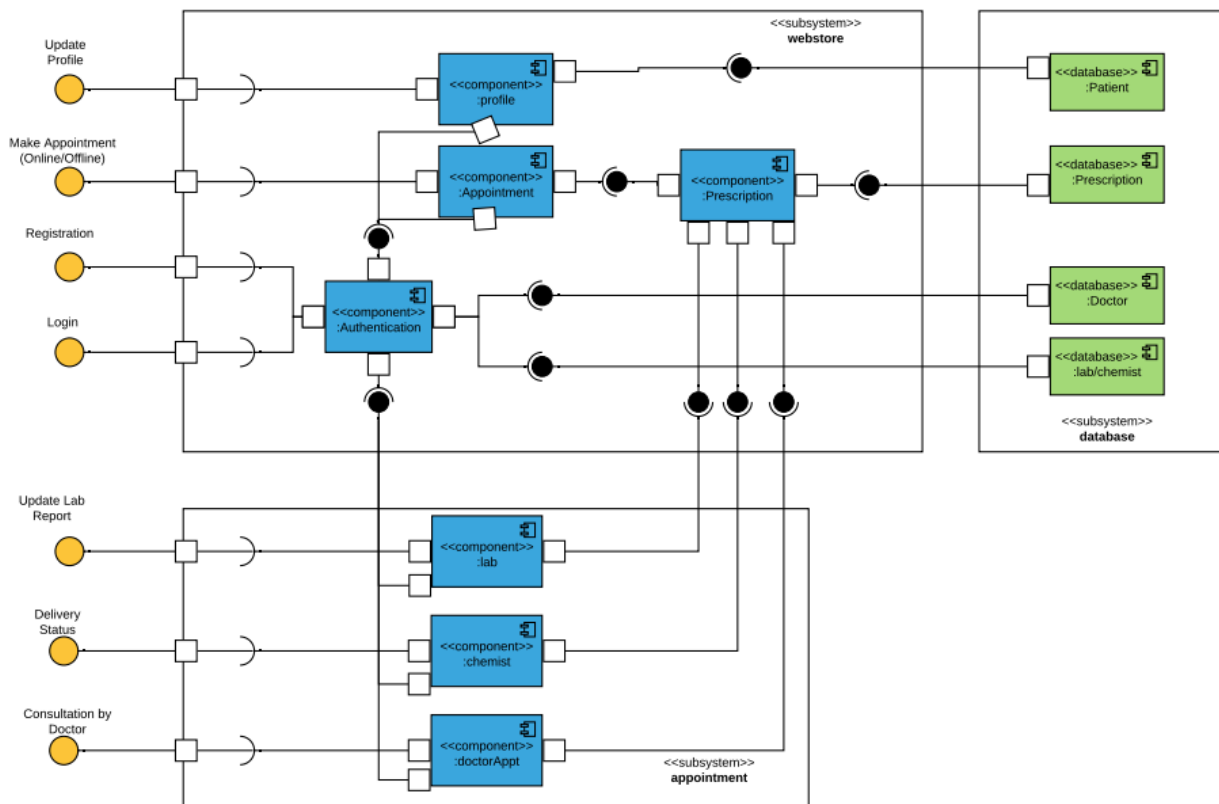


## 6. State Machine Diagram





## 7. Component Diagram



## 8. Deployment Diagram

