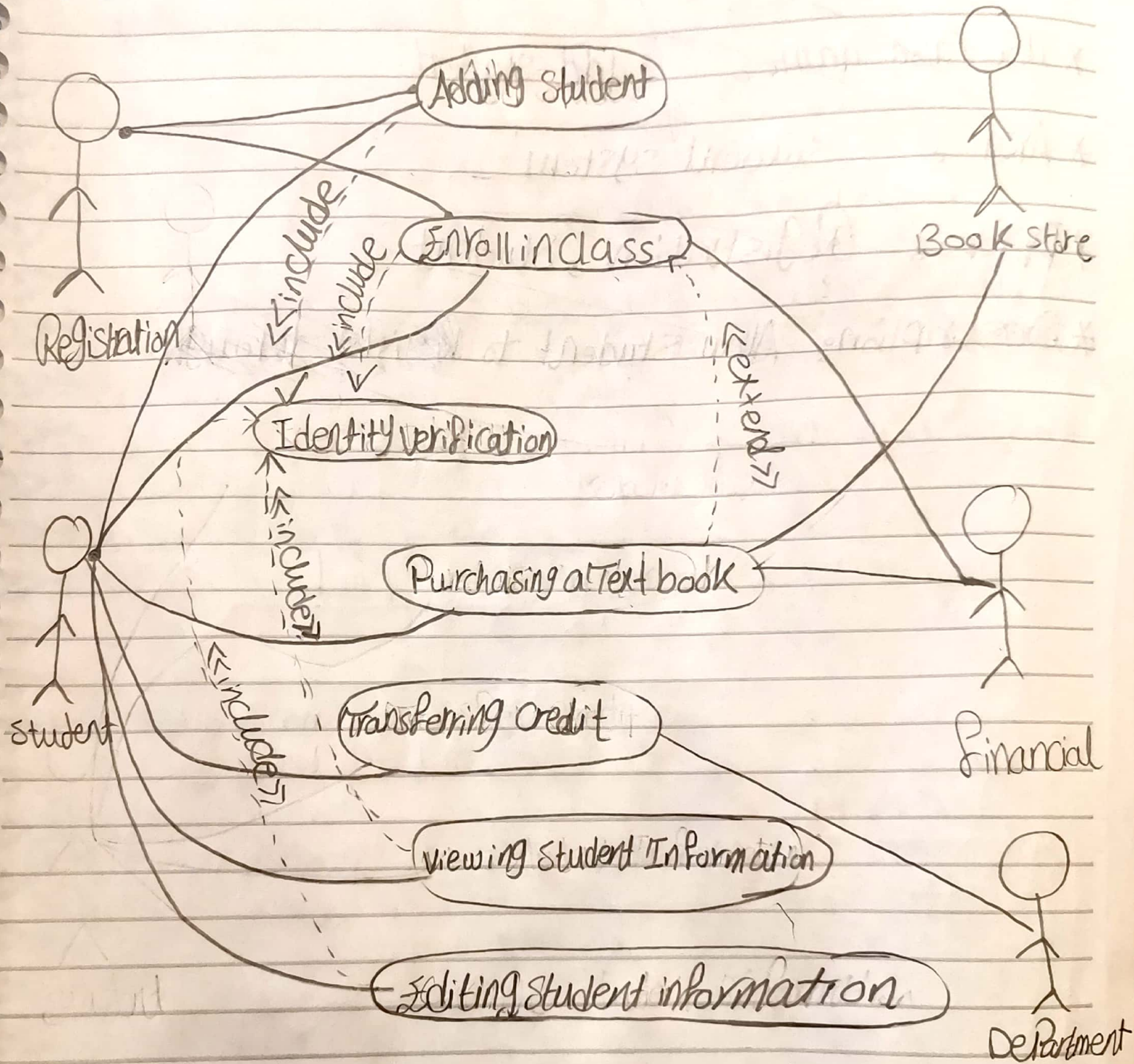


Q: one

. name: Salma El-Sayed Borham
. ID: 17105510

• use Case:



Qone:

(b). Use Case Scenario:

• Use Case name:

- Add student

• Area:

- Student system

• Actors:

- Registration, Student.

• Description:

- Allow Registration to Add new student using a secure website.

• Triggering Event:

- Registration use Add Student website
Enter user ID and Password and
Click Submit button.

• Trigger Type:

- External.

• Steps Performed:

1. Registration logs onto the secure webserver
2. User Record is read and Password is verified
3. Registration enter the user information in the student web form.
4. changes are Validated on the webserver
5. Confirmation Page is sent to the user.

Information for Steps:

- username, Password.
- username, Password.
- Add Student web form.
- Add Student web form.
- Confirmation Page.

• Pre conditions:

- Registration on the Student web Page

• Post condition:

- Registration has Successfully Add Student

• Assumption:

- Registration has a browser and a valid user and Password

• Requirement Met:

- Allow Registration to Add Student using secure website.

• Outstanding Issues:

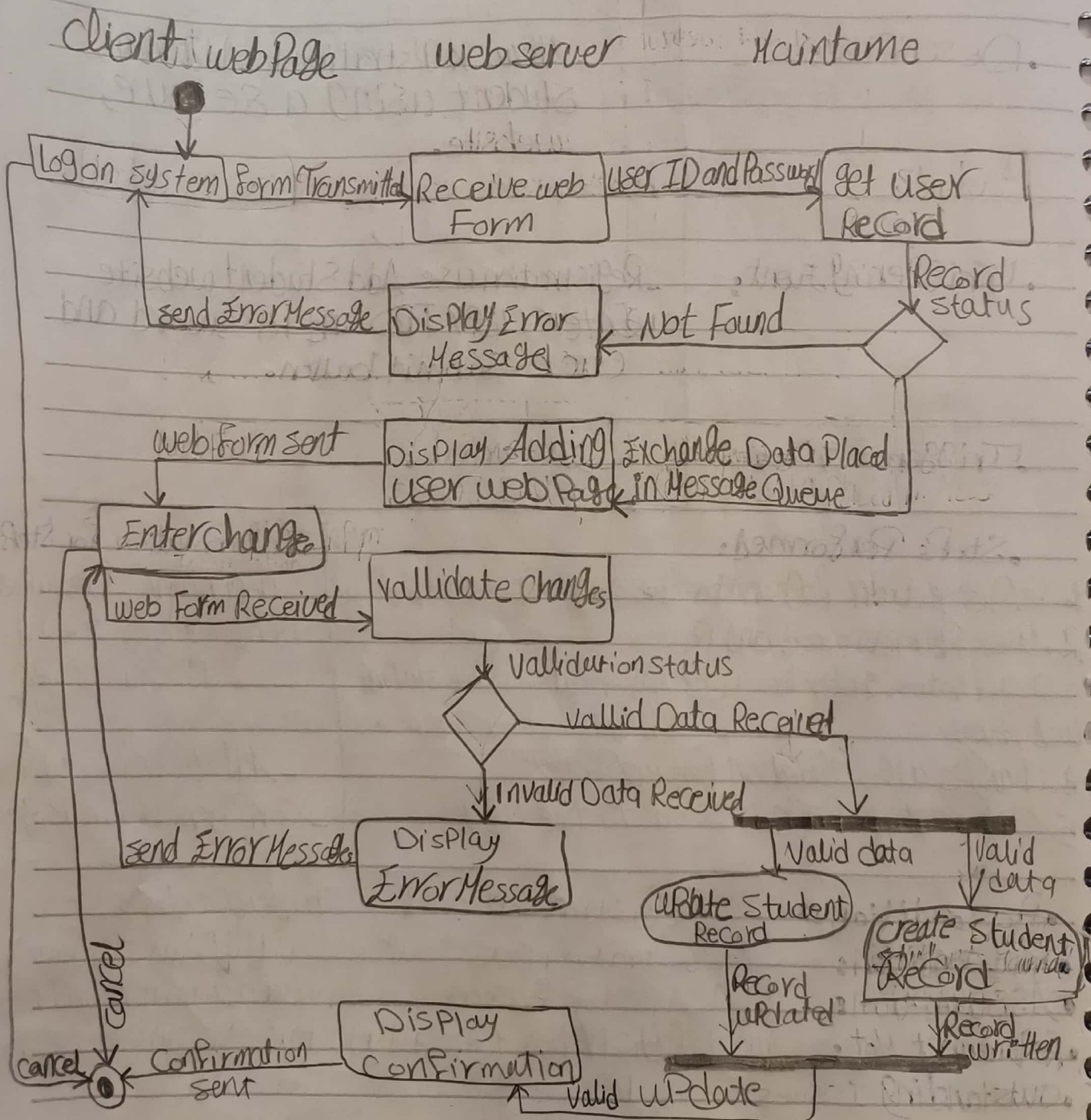
- Should the number of Times a Student is allowed to log on be controlled

- Q 1: (b) ↓
- Priority : Medium
 - Risk : Medium

Pl. Use Case scenario

Q(1) (c)

• Activity Diagrams

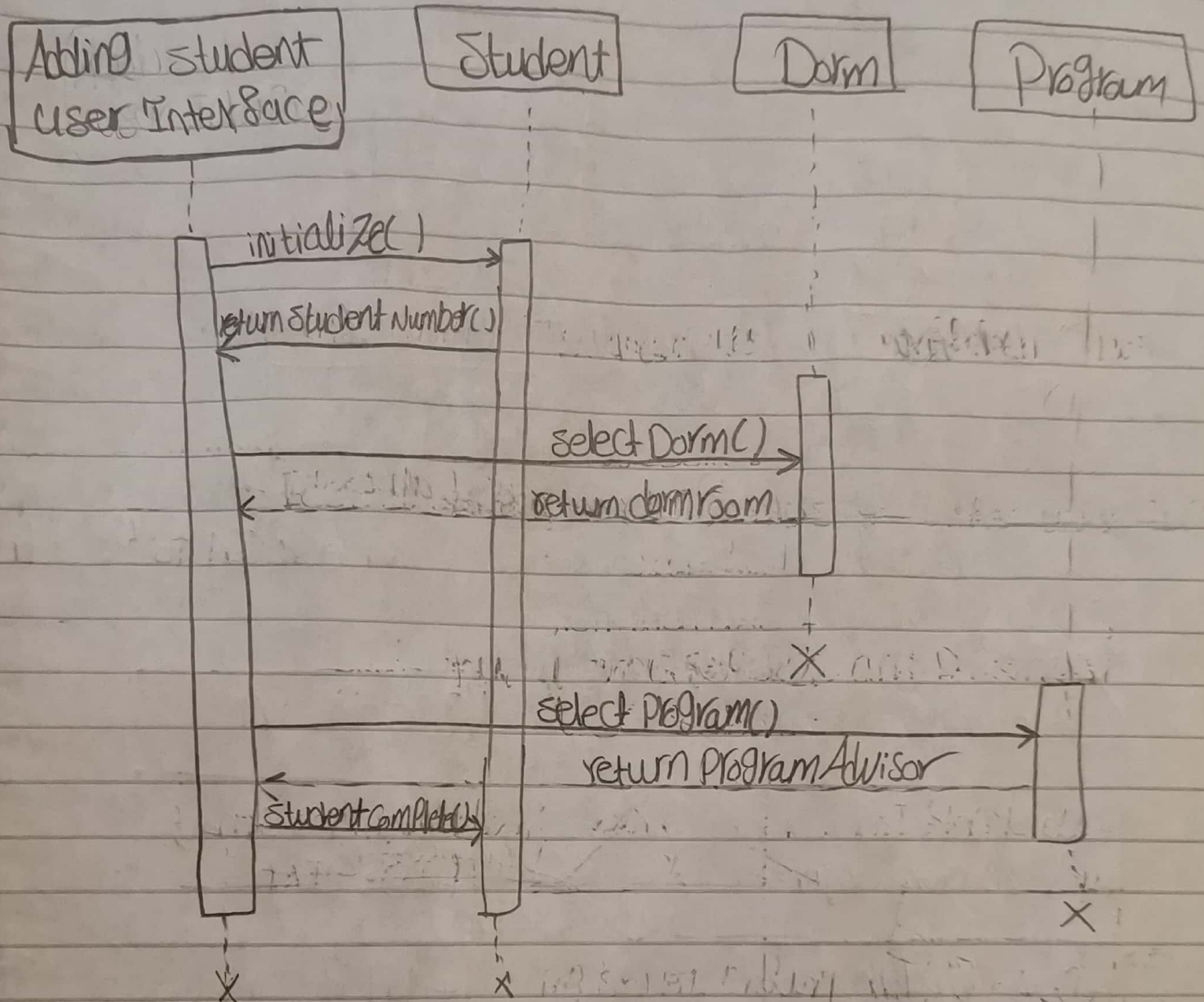


17/05/20

Salma El-Sayed Bassem

Q1: Cd)

* Sequence Diagram:

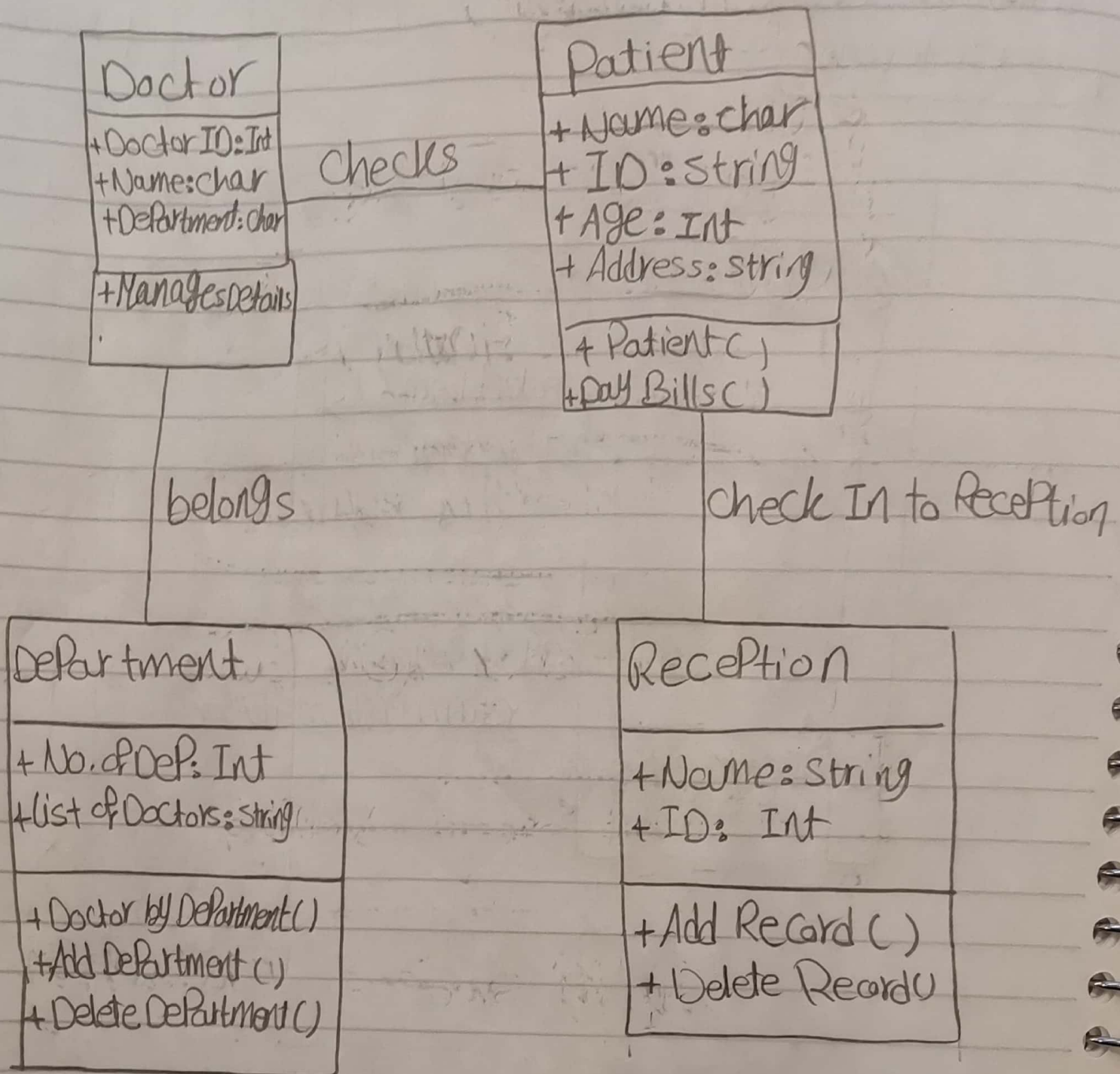


• ID : 17105510

• Name : Salma El-Sayed Borthum

Q8 Two:

* Class Diagram for Electronic Medical Record



• ID : 17105510

• Name : Salma El-Sayed Borham

Q3 Three

• Non-Functional Requirement

* Security Requirement:

- All transaction between the Customer and the System should be Encrypted.

* Performance Requirement: The system should be the Average Time to Execute any operation should be 2 Second.

* Quality Attribute:

- Maintain a User Friendly Environment that is Visually appealing.
- Maintain Readable Content.

Problem Statement : Q4: small Hotel Manager:

• Elements:

• Description:

• The Problem of:

- Missing Information.

• Affects:

- Guests, Managers, owner, Receptionist.

• The Result of which is:

- Conflicted on the time table Reservation.

• Benefits of:

- Guests Make Reservation and can Make change or cancel Reservation, through the Hotel website.

- Guests needs to Check if a Room is available to Make Reservation. and Enter All information to the System and Receives A Confirmation.

Part one in Q4: ↗

Q:4 ع3ل
in Part Two

* Stacke Holder:

- Manager. ✓
- Guests. ✓
- Owner. ✓
- Receptionist.

- Manager: Can Manage a system about All Reservation.
- Owner: Recognize the system to increase their booking overtime and need to make sure, their effected by Profit.
- Guests: Making a Reservation or/ booking a room.
- Receptionist: Responsible to make check in and check out

Q4: Part 3

- * System Boundary:
 - Manager, Owner and Recaptanist use information from the system.
 - Manager and owner to supply and Remove information in the system.
 - Manager is going to operation on the system.
 - The system can be Access from within the guests and Externally through the internet.
 - The information is known when Guests, Manager Entering information and data about.
 - Bank system.

*. SYStem Constraints: Q 4: Part 4 :: (1)

| Source: | Constraint: | Rationale: |
|--------------------|---|--|
| - Operation | Copy and test all the information from the Preceding system on to new system and Run them both. | To Prevent the loss of data if any Problem should arise in the new system. |
| - System and OS | the Applications usage of Memory should less than 220 Megabytes. | The server we are using will have limited available Memory |
| - Equipment budget | system we will be develop on a new server with limited specifications. | Cost Control and Having limited budget. |

Q4: Part 4 (II)

• Source:

- Personnel budget

• Constraint:

- Not Allowed Fixed Staffing Resource.

• Rationale:

Doesn't allow for any changes in the operation cost.

• Technology Mandate

- object orienting Programming will be used in development in the Software.

- Object orienting technology should increase Productivity of the software and make it More Reliable