

# LETTERKENNY INSTITUTE OF TECHNOLOGY

## ASSIGNMENT COVER SHEET

Lecturer's Name: Helen McMahon

Assessment Title: Deliverable 2 - UML Diagrams

Work to be submitted to: Helen McMahon

Date for submission of work: 12/02/18

Place and time for submitting work: VLE Blackboard

### To be completed by the Student

Group Name: BSc Group 2 \_\_\_\_\_

Class: BSc. Computing

Subject/Module: Team Project

Word Count (where applicable): N/A

I confirm that the work submitted has been produced solely through my own efforts.

Student's signature: \_\_\_\_\_ Date: 12/02/18

### Notes

**Penalties:** No marks will be awarded to any work submitted after deadline. [Incidents of alleged plagiarism and cheating are dealt with in accordance with the Institute's Assessment Regulations.]

**Plagiarism:** Presenting the ideas etc. of someone else without proper acknowledgement (see section L1 paragraph 8).

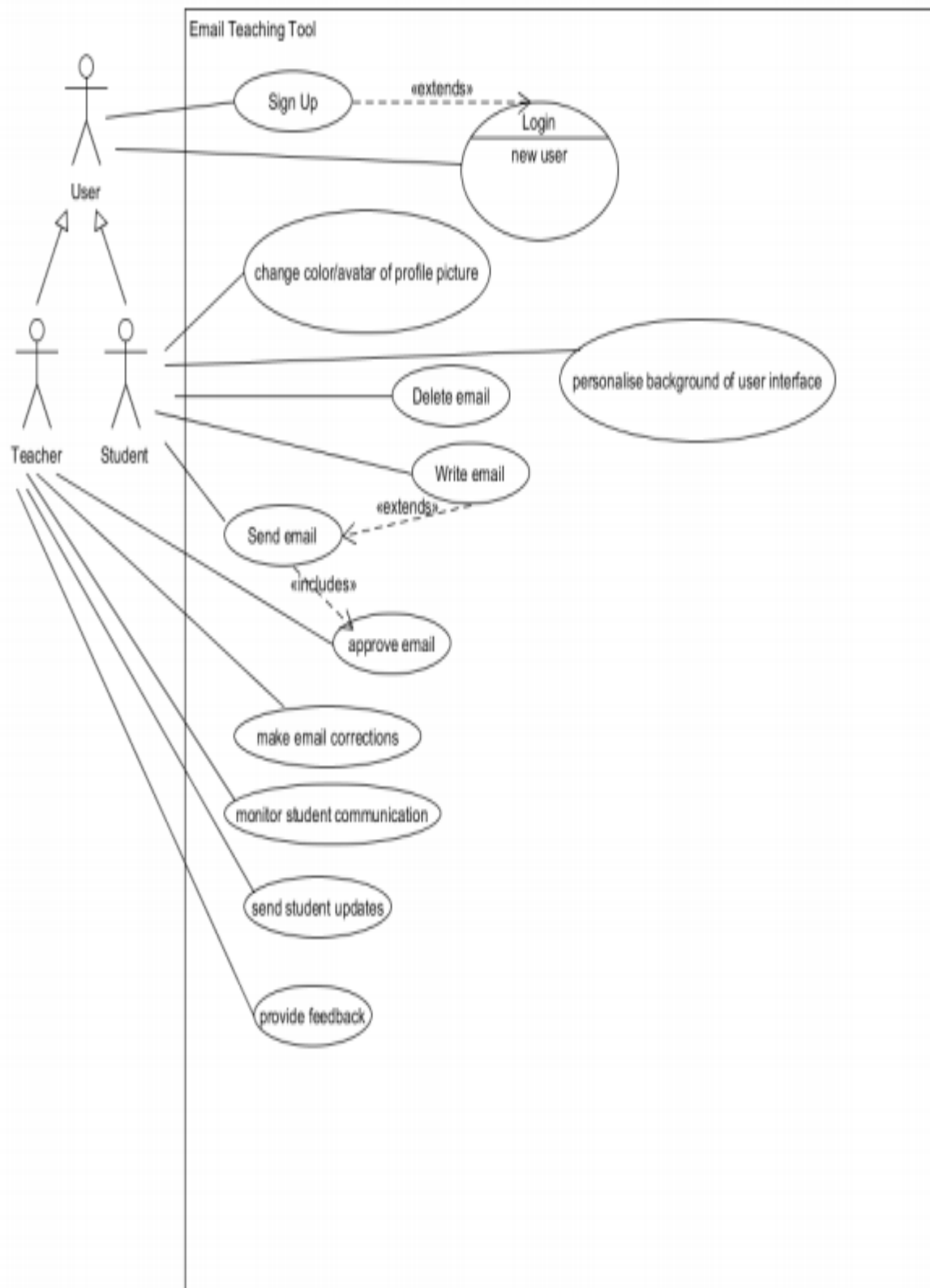
**Cheating:** The use of unauthorised material in a test, exam etc., unauthorised access to test matter, unauthorised collusion, dishonest behaviour in respect of assessments, and deliberate plagiarism (see section L1 paragraph 8).

**Continuous Assessment:** For students repeating an examination, marks awarded for continuous assessment, shall normally be carried forward from the original examination to the repeat examination.

## Contents

|                                   |    |
|-----------------------------------|----|
| USE CASE DIAGRAM.....             | 3  |
| USE CASE DESCRIPTION 1.....       | 4  |
| USE CASE DESCRIPTION 2.....       | 5  |
| CLASS DIAGRAM .....               | 6  |
| SEQUENCE DIAGRAM 1 .....          | 7  |
| SEQUENCE DIAGRAM 2 .....          | 8  |
| BEHAVIOURAL STATE DIAGRAM 1 ..... | 9  |
| BEHAVIOURAL STATE DIAGRAM 2 ..... | 10 |

## Use Case Diagram



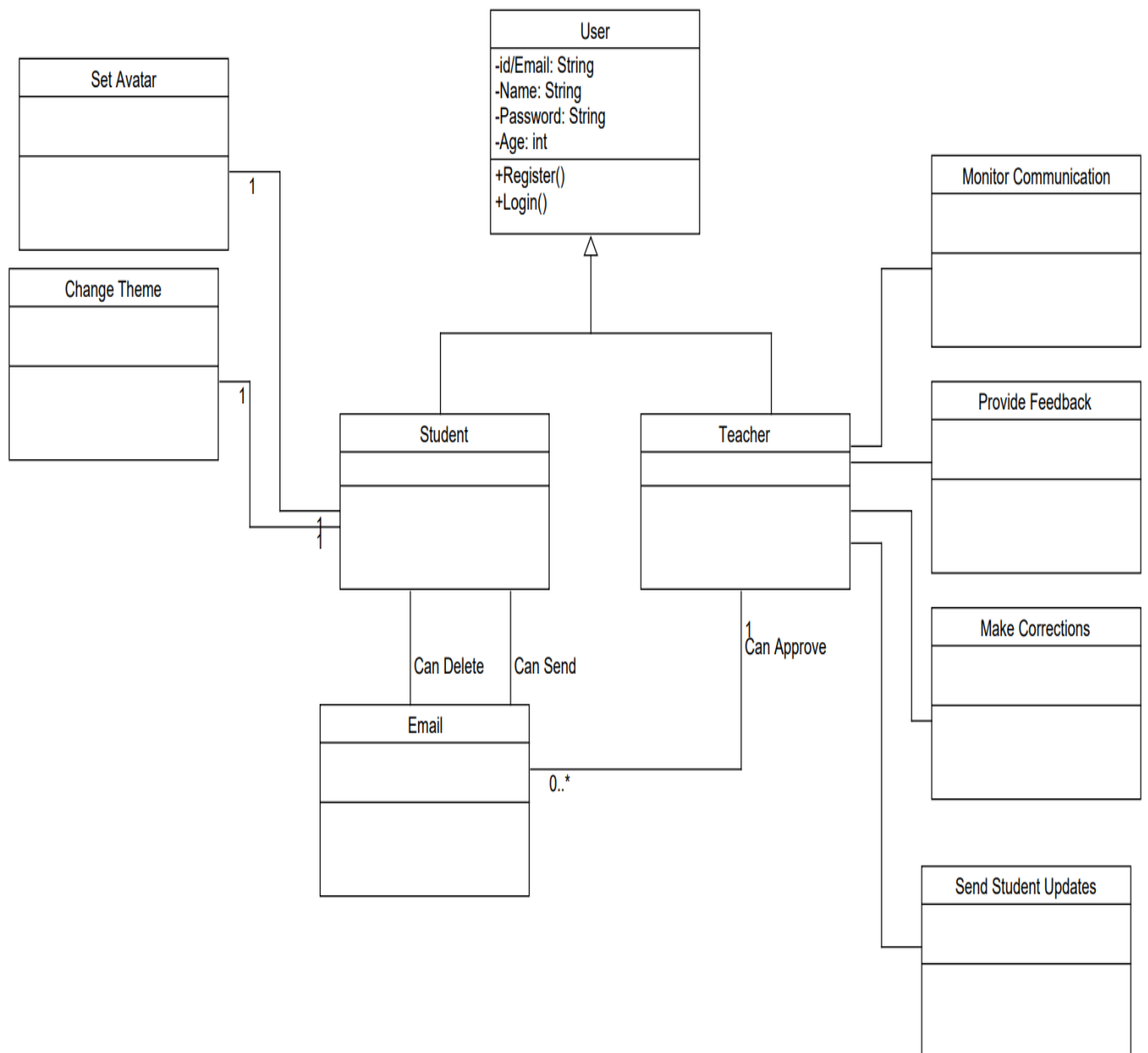
### Use Case Description 1

|                  |   |
|------------------|---|
| Use Case         | Log In  |
| Objective        | To allow student to login to email system.  |
| Precondition     | Student wants to login and send emails.   |
| Main Flow        | <ol style="list-style-type: none"><li>1. Login student</li><li>2. Enter Password</li><li>3. Write email</li><li>4. Send email to classmate</li></ol>  |
| Alternative Flow | <ol style="list-style-type: none"><li>1. Student is not registered. Inform student to register and exit use case.</li><li>2. Password entered is incorrect. Display error message and allow student to re-enter.</li><li>4. Incorrect classmate email address. Display error message and allow student to re-enter.</li></ol> |
| Post Condition   | Student signed in and sent email to classmate.  |

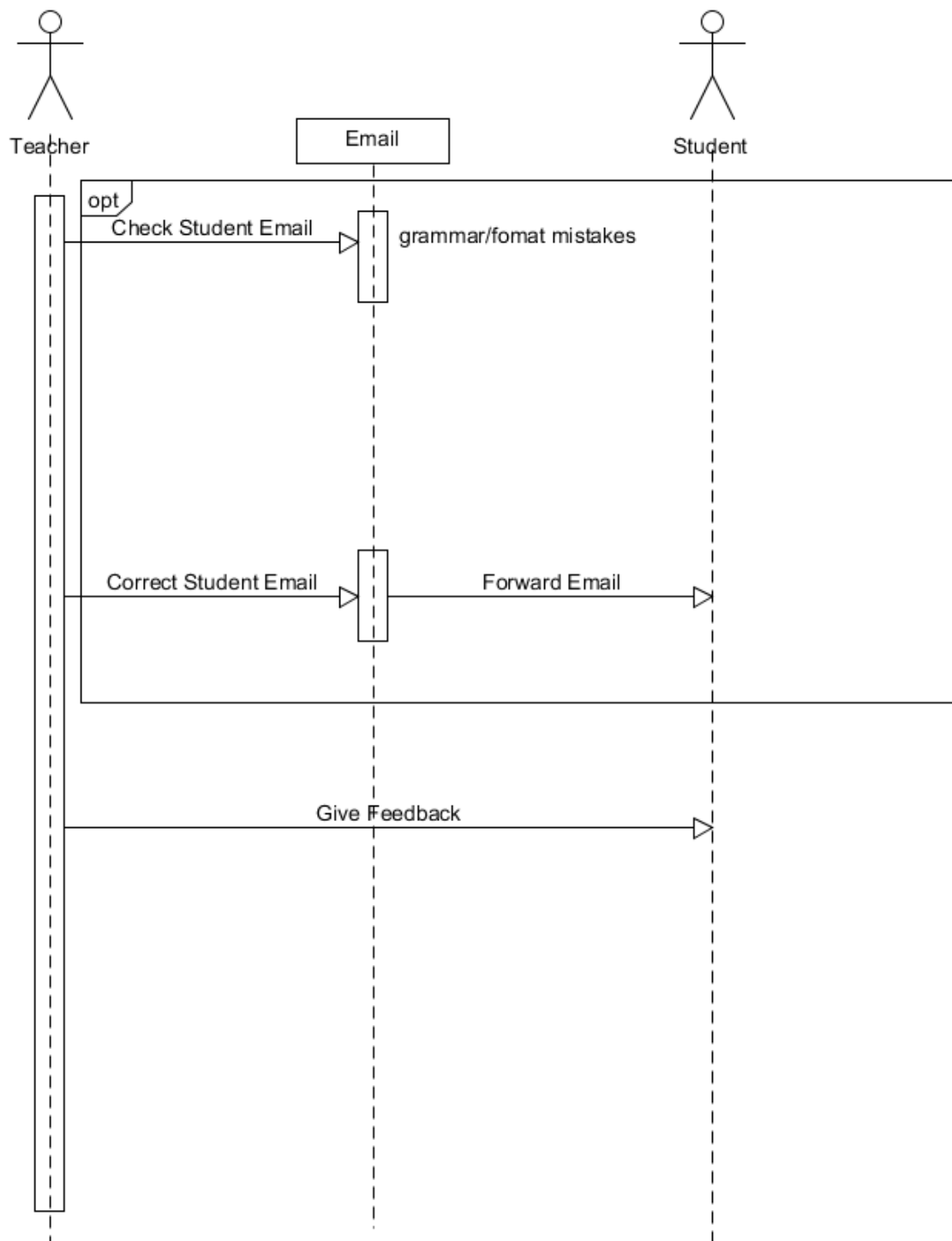
## Use Case Description 2

|                  |  |
|------------------|--|
| Use Case         | Approve email  |
| Objective        | To approve student email before forwarding to the recipient.   |
| Precondition     | Student wants to send email to another student in the class  |
| Main Flow        | <ol style="list-style-type: none"><li>5. Check email for appropriate language and format.</li><li>6. Correct email.</li><li>7. Forward email to the recipient.</li><li>8. Give sender feedback on recent email.</li></ol>  |
| Alternative Flow | <ol style="list-style-type: none"><li>1. Email contains inappropriate language, spelling mistakes or incorrect email format. Inform student to redo email and resend.</li><li>3. Email sent to recipient outside of classroom. Inform student that they are only allowed to send emails between students in the class and exit use case.</li></ol> |
| Post Condition   | Student has sent an appropriate email to classmate.  |

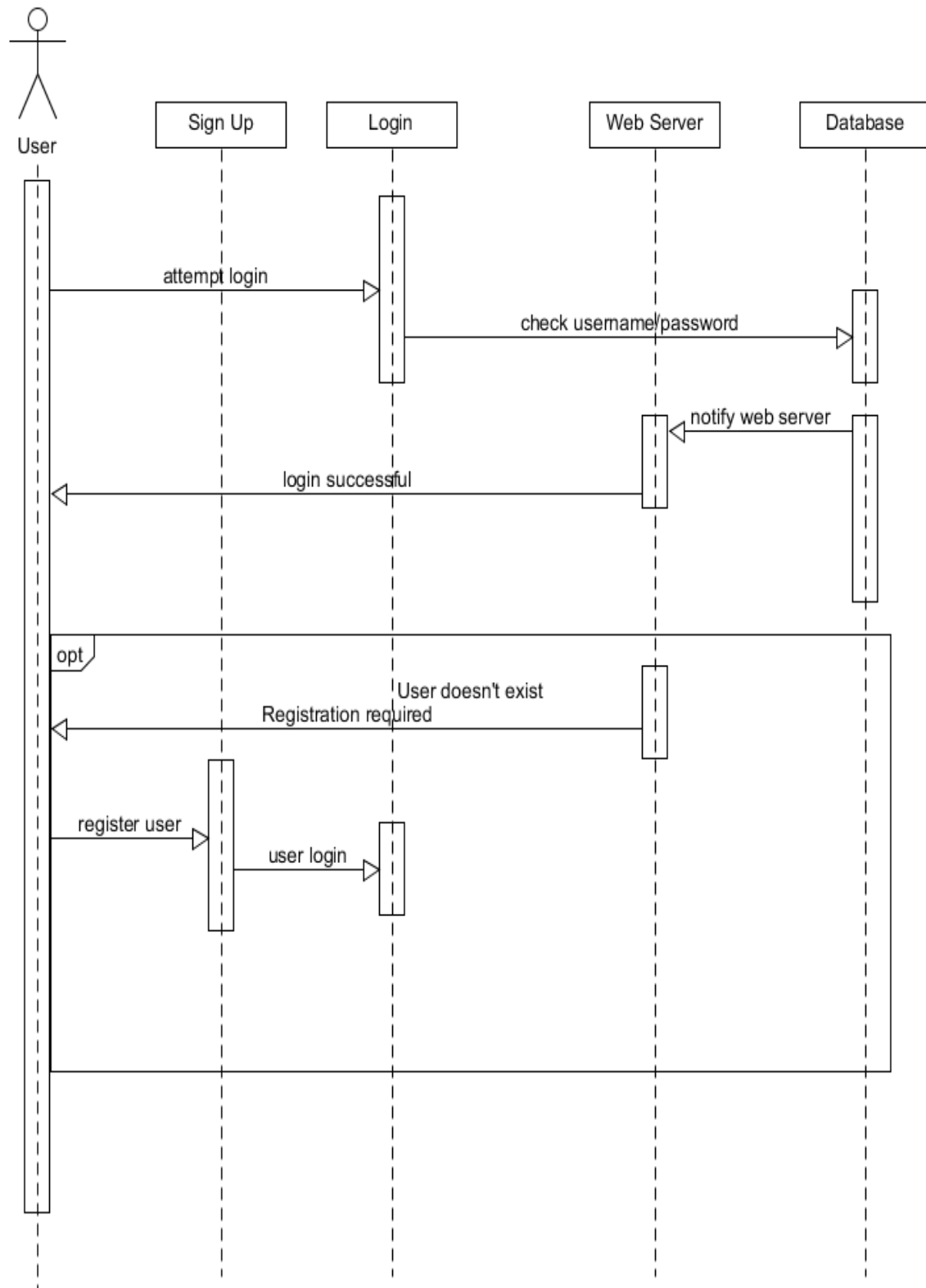
## Class Diagram



## Sequence Diagram 1

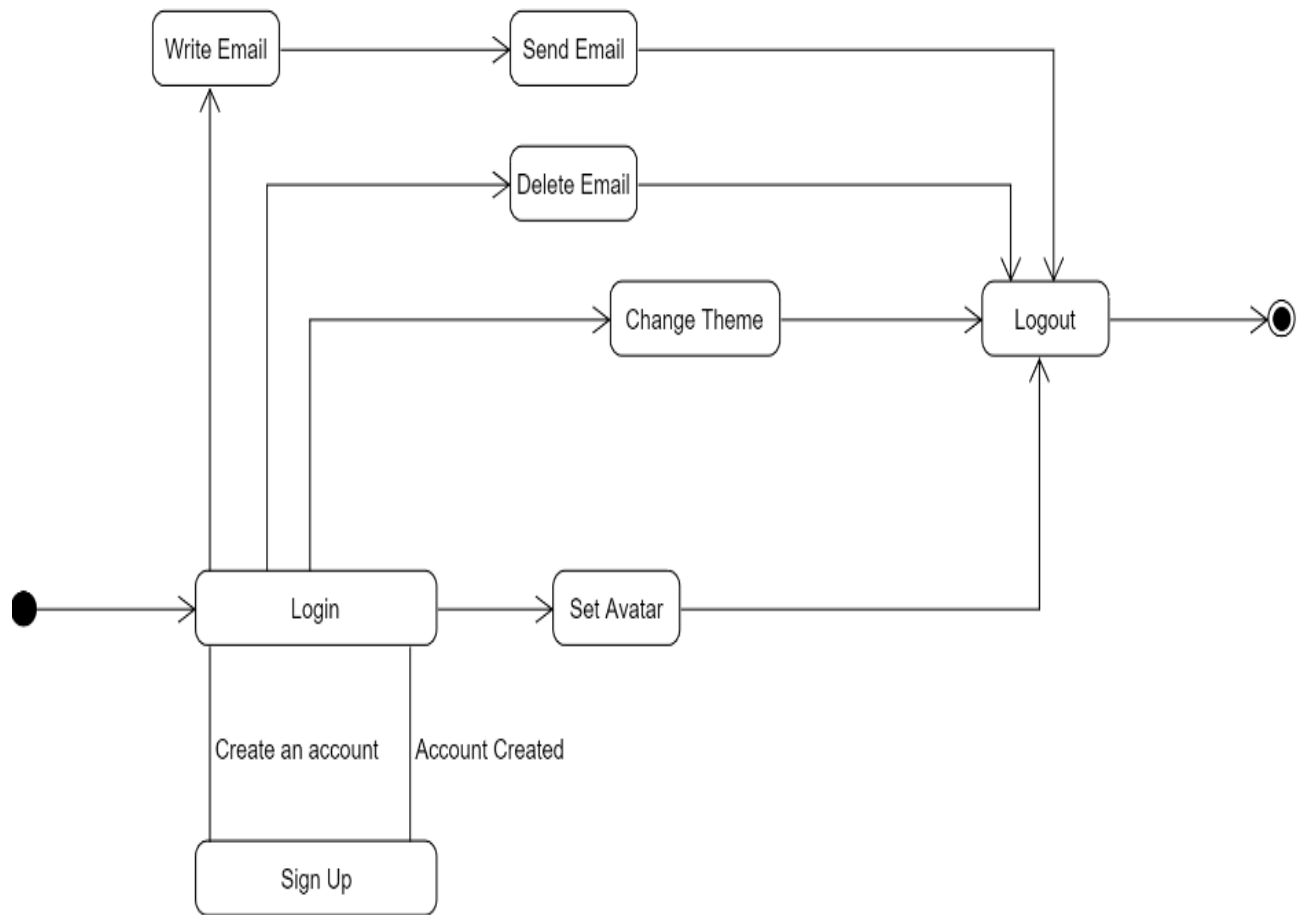


## Sequence Diagram 2





## Behavioural State Diagram 1



## Behavioural State Diagram 2

