

Group 14

# Cs4320-Soft Engineering

## Assignment 4

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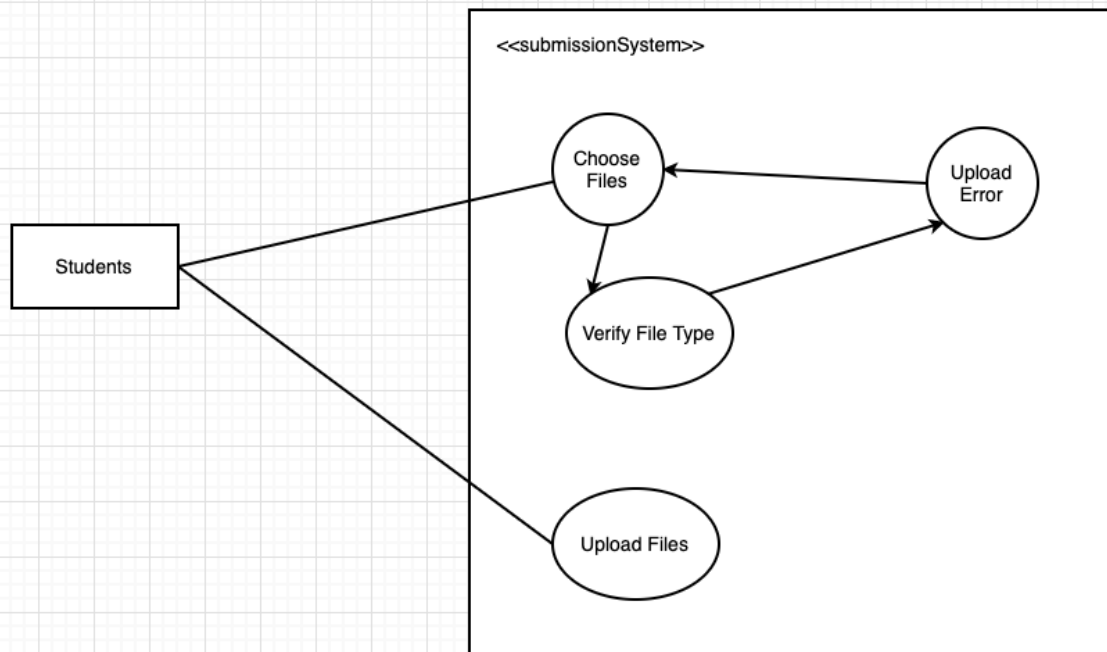
## 1. Use/Case Diagram : File uploading

A use case diagram to represent file upload:

- Students can submit/re-submit assignments by uploading files
- Relevant data includes: Assignment data, submission data, course data
- Constraints: Students can only submit assignments before the due date, students may only submit assignments to courses they are actively enrolled in.

**Creator: Wasay Khan**

**Reviewer: Zheng Liang**



### Description:

This allows students to choose, upload and submit files into the system. The user role is played by the student. To meet submission requirements, students must upload a file type that complies with the allowed file types mentioned in the guidelines. The system will only allow those files to be uploaded. If the selected file does not match up with the required file type, an error message will be displayed and the student will be asked to select a file again.

Preconditions:

1. Students must have a valid account and be able to get past login screen
2. Students must be actively enrolled in the course and get access to the assignment

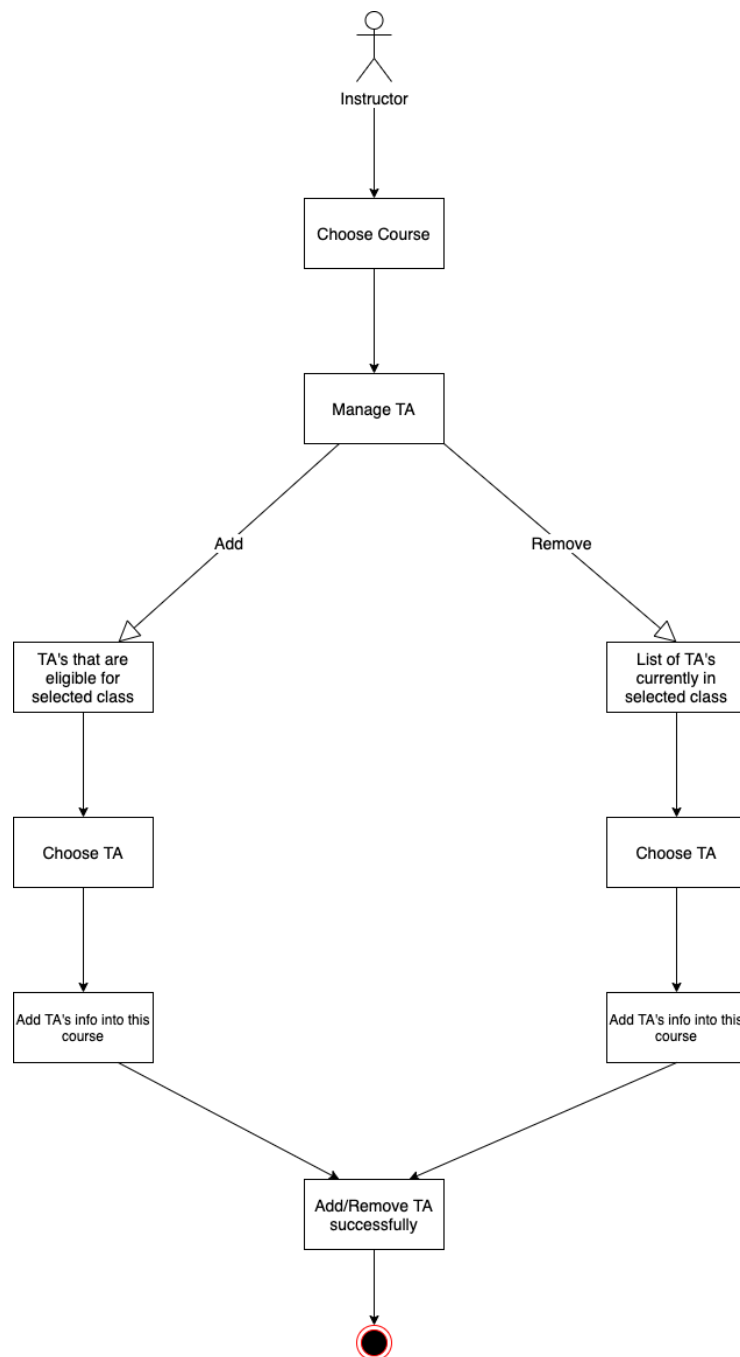
## 2.a Activity Diagram: Adding/Removing TA's

An activity diagram showing the addition or removal of TAs

- Instructor may add or remove TA's to/from the course
- Relevant data includes: TA information, course information
- Constraints: Only the instructor may add or remove TAs

**Creator: Wasay Khan**

Reviewer: Zheng Liang



## 2. Activity Diagrams

### 2b. Activity Diagram 1: login or change password

An activity diagram to represent login or changing password

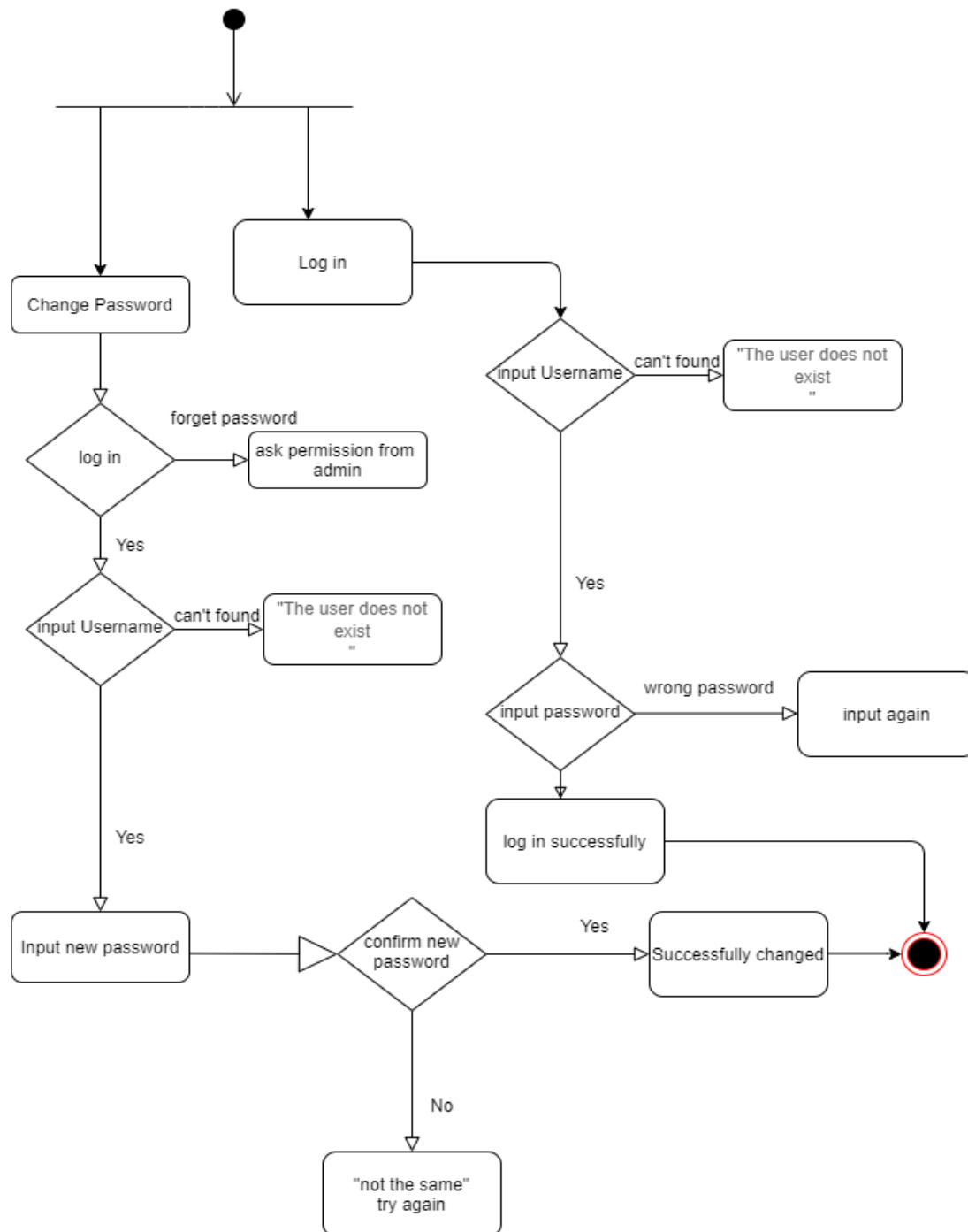
Users should login or change password

<1>relevant data : User data

<2>constraints:users can only change password when the login

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Reviewer: Wasay Khan



### 3. Class Diagram

A class diagram to represent students viewing their assignments scores

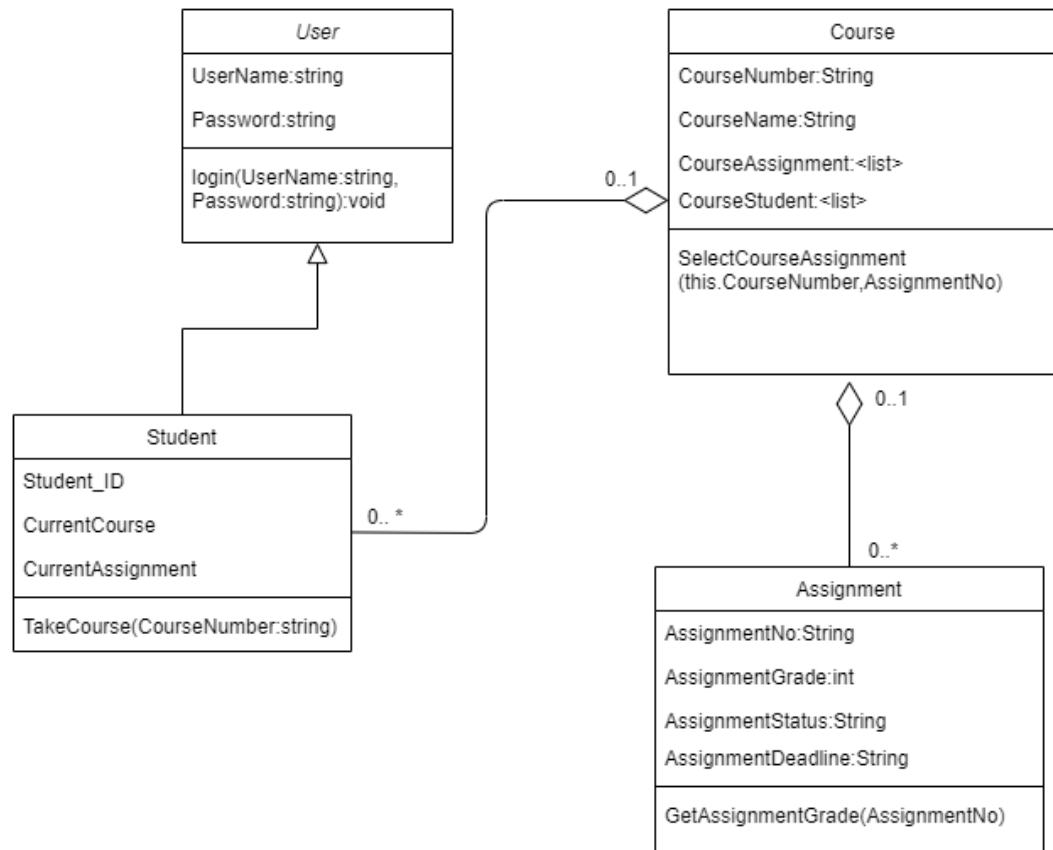
1>relevant data: students data, course data , assignment data

2>constraint : students could only view the assignment for themselves.

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\* Only focus relative data to assignment grade for students

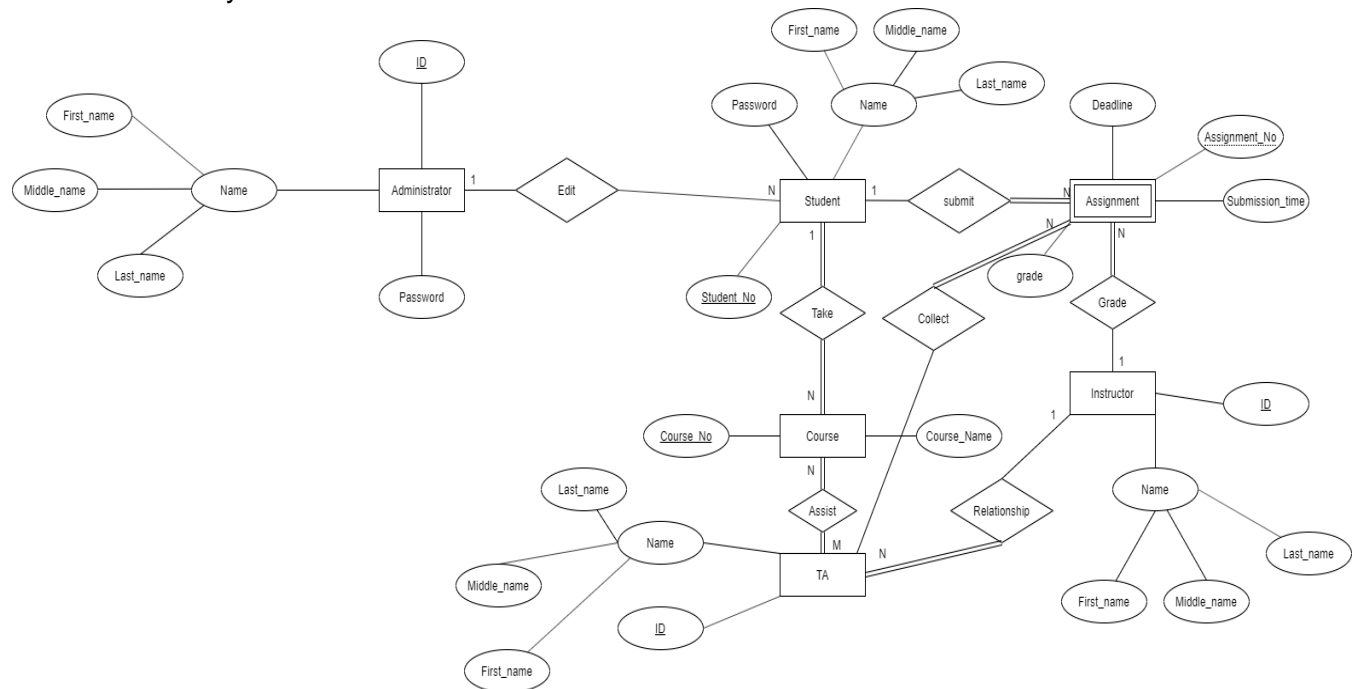


#### 4. Entity-Relationship Diagram

An entity-relationship Diagram to represent the entire system

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## 5. Sequence Diagram: Students to see their assignment's detail

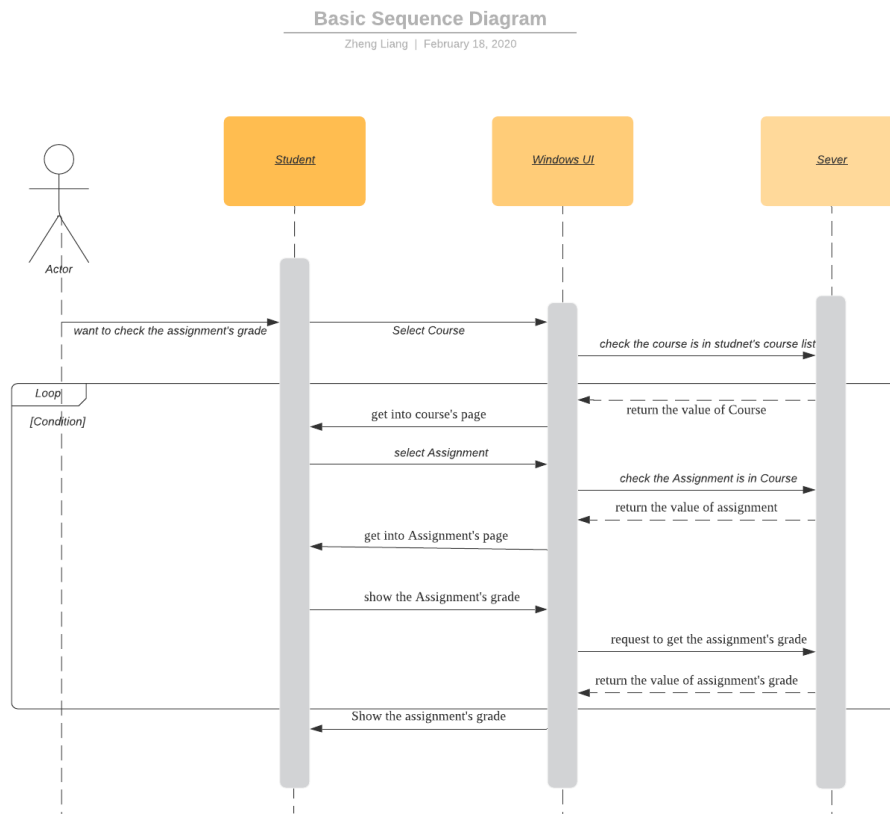
A sequence diagram to represent students seeing their assignment details.

1>relevant data: Student data, Assignment data, course data

2>constraint: students could only see the assignment which has been saved in database

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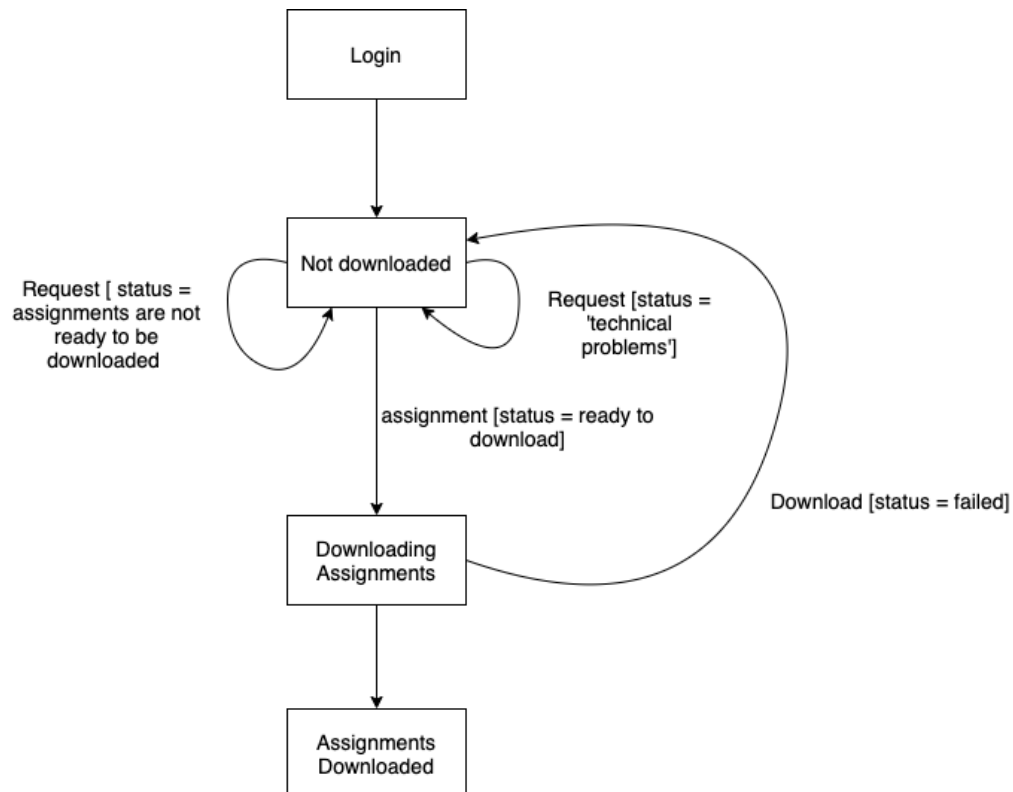
## 6. State Machine Diagram: Assignment Collection

A state machine diagram to represent the collection of assignments

- TA's can collect assignments by downloading student's submission files
- Relevant data includes: course information, assignment information and submission information
- Constraints: System will only show assignments from the course sections for which they have are listed as TA

**Creator: Wasay Khan**

Reviewer: Zheng Liang



# Appendix of contribution

Zheng Liang: Activity Diagram : login or change password

Class Diagram

Entity Relationship Diagram for whole system

Sequence Diagram

Wasay Khan : Use Case Diagram

Use Case Description

Activity Diagram: Adding/Removing TA's

State Machine Diagram

all member review other diagrams before submit