

# **Assignment 4**

## **Group 10**

### **Jacob Alongi | Kyle Malisos | Evan Buchanan**

Pg 1) **Table of Contents:** (Designer) [Reviewers]

Pg 2) **Use Case Diagram** (Evan)[Jake | Kyle]

#### **Description**

Pg 3) **Activity Diagram 1** (Kyle)[Jake | Evan]

Pg 4) **Activity Diagram 2** (Evan)[Kyle | Jake]

Pg 5) **Activity Diagram 3** (Jake)[Kyle | Evan]

Pg 6) **Class Diagram** (Jake | Kyle | Evan)

Pg 7) **Entity Relationship Diagram** (Jake | Kyle | Evan)

Pg 8) **Sequence Diagram** (Kyle)[Jake | Evan]

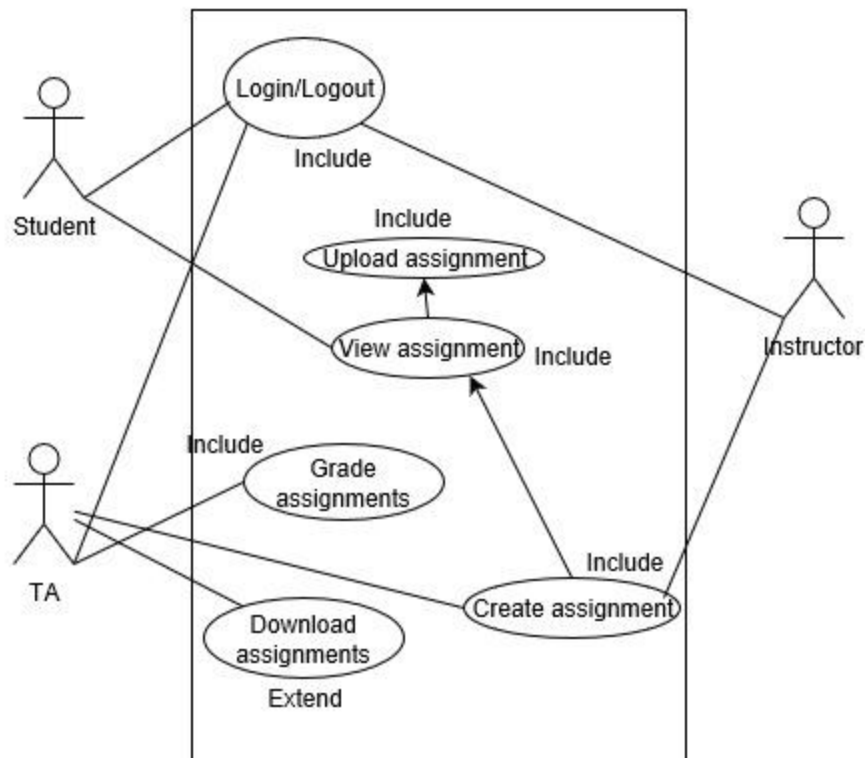
Pg 9) **State Machine** (Evan)[Jake | Kyle]

## Use Case Diagram

Designed by Evan Buchanon

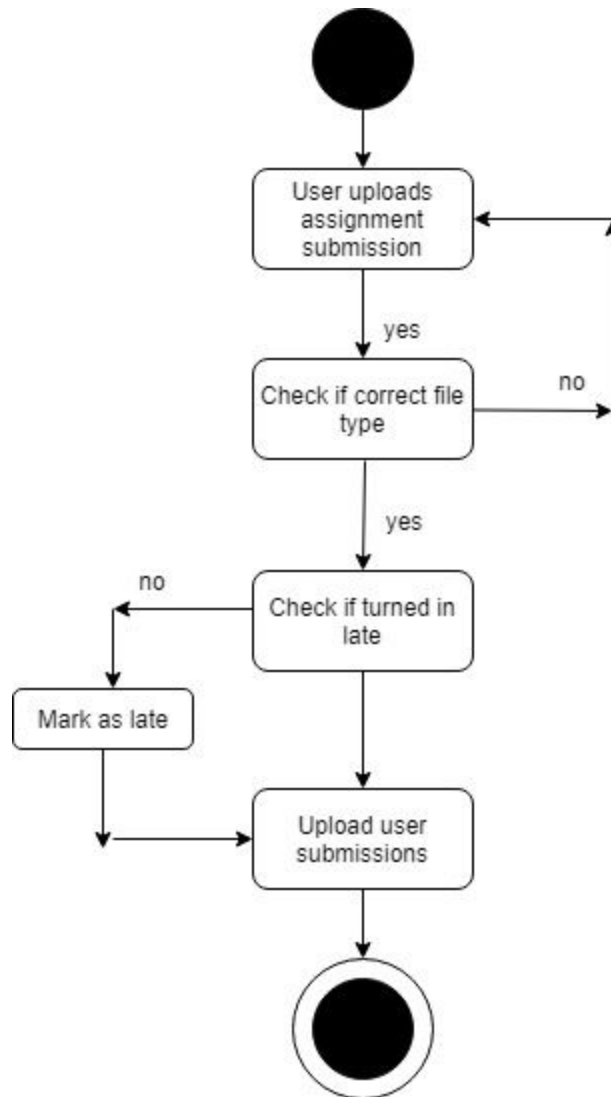
Reviewed by Jacob Alongi & Kyle Malisos

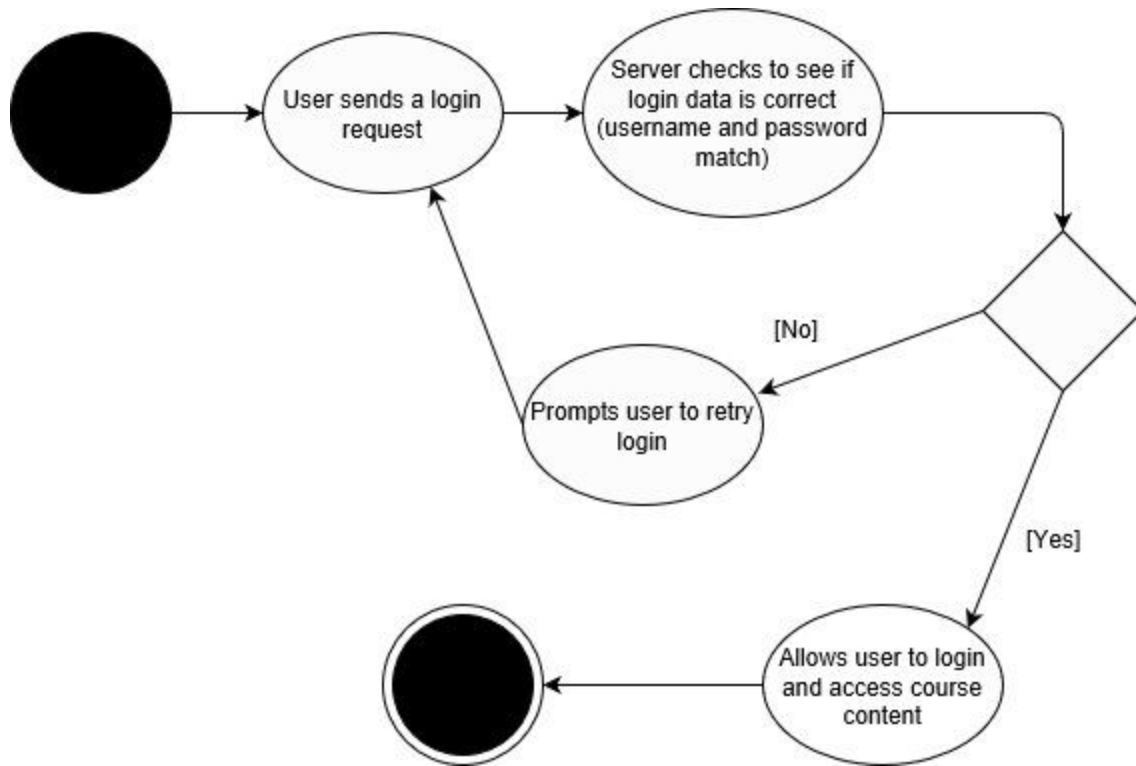
Use Case diagram for  
grading an assignment



### Use Case description:

This Use Case diagram is showing how assignments are graded. It includes three actors (student, TA, and Instructor), functions that are critical to being able to grade an assignment (such as creating an assignment and logging in/out), and extended functions like downloading an assignment, which is useful but not required. This system would be used in conjunction with the overall student submission system, similar to Canvas. As such, there are other functions in here that are important to grading an assignment, such as uploading assignment.

**Activity Diagram 1****Designed** by Kyle Malisos**Reviewed** by Jacob Alongi & Evan Buchanan**User file upload**

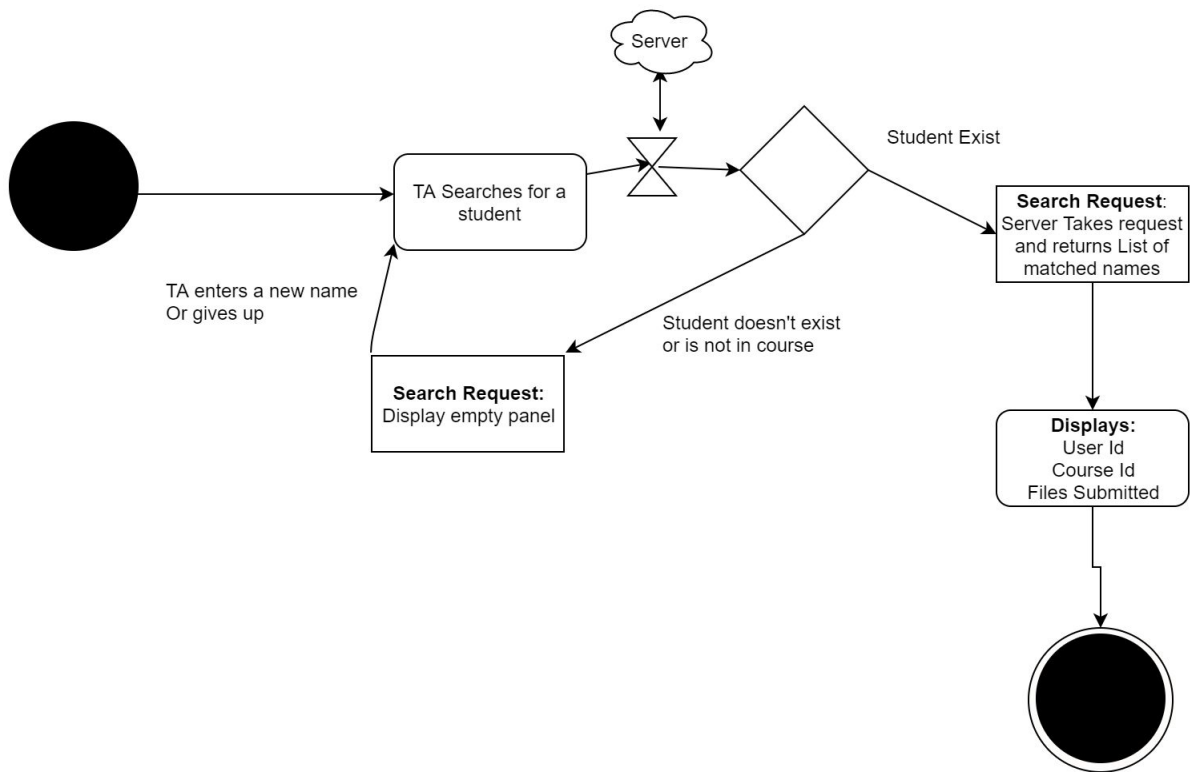
**Activity Diagram 2****Designed** by Evan Buchanan**Reviewed** by Jacob Alongi & Kyle Malisos**User login**

5

### Activity Diagram 3

**Designed** by Jacob Alongi

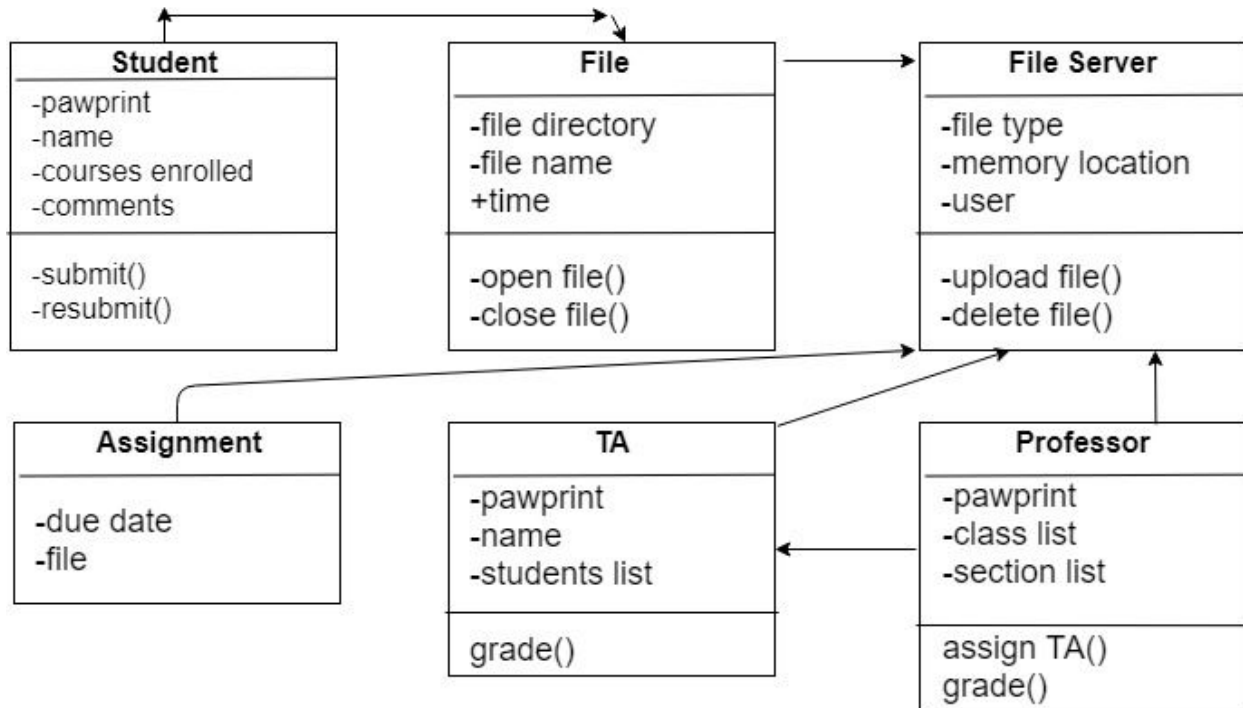
**Reviewed** by Kyle Malisos & Evan Buchanan



### Class Diagram

**Designed** by Jacob Alongi | Kyle Malisos | Evan Buchanon

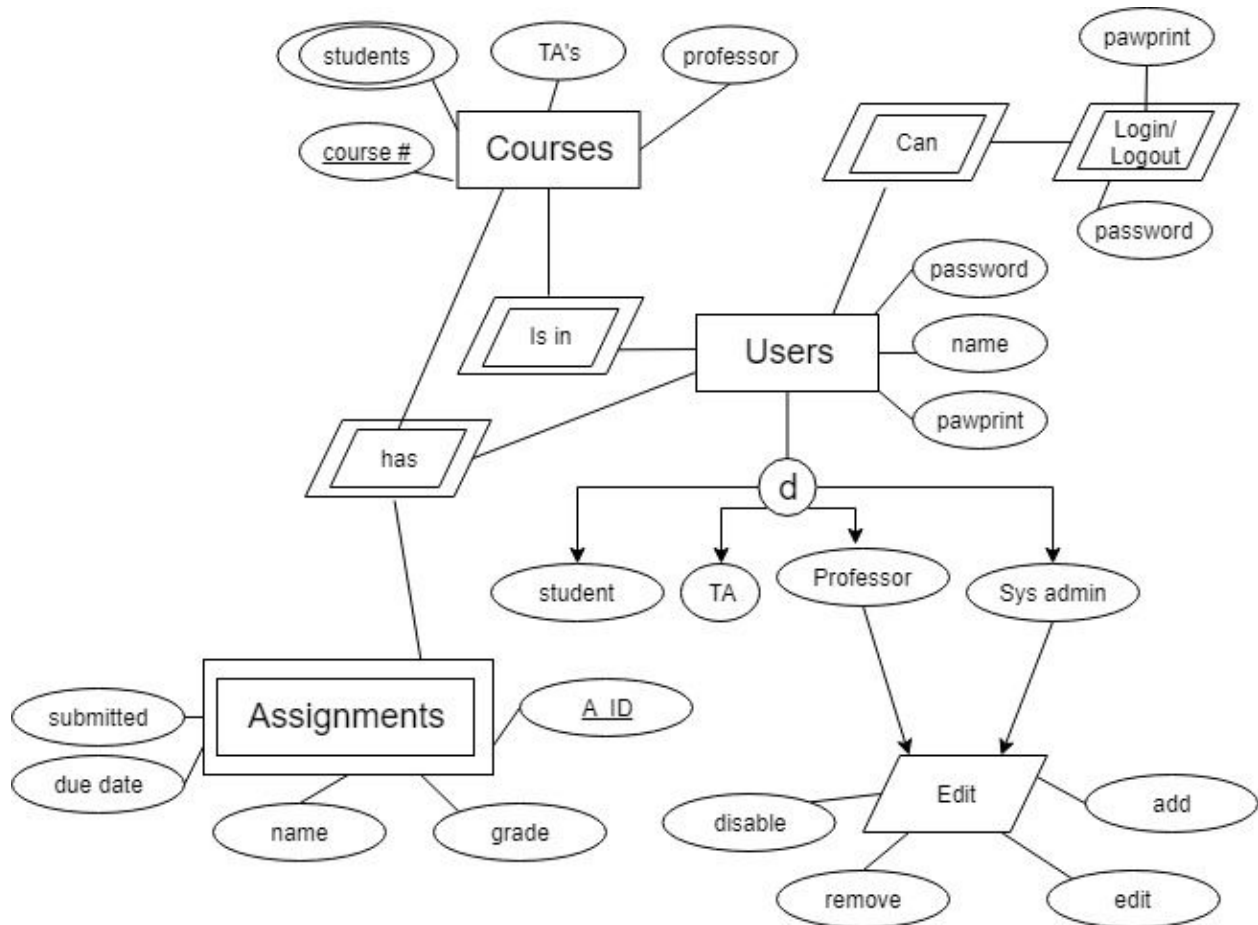
**Reviewed** by Jacob Alongi | Kyle Malisos | Evan Buchanon

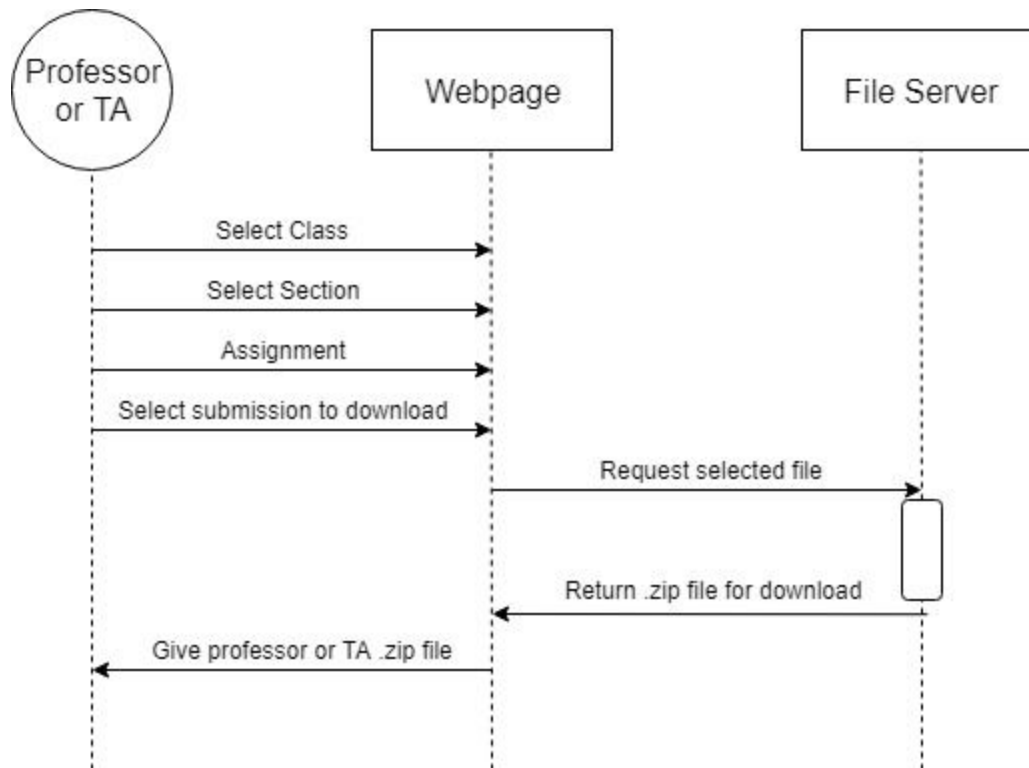


### Entity Relationship Diagram

**Designed** by Jacob Alongi | Kyle Malisos | Evan Buchanon

**Reviewed** by Jacob Alongi | Kyle Malisos | Evan Buchanon



**Sequence Diagram****Designed** by Kyle Malisos**Reviewed** by Jake Alongi & Evan Buchanan**Downloading a student submission**



**Finite State Machine**  
**Designed** by Evan Buchanon  
**Reviewed** by Jacob Alongi & Kyle Malisos

State machine for  
submitted  
assignment

