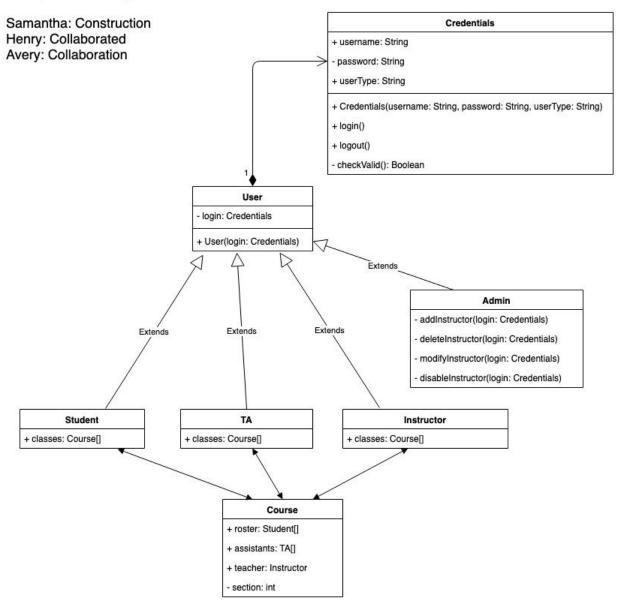
# Project 2: Architecture and System Design Process

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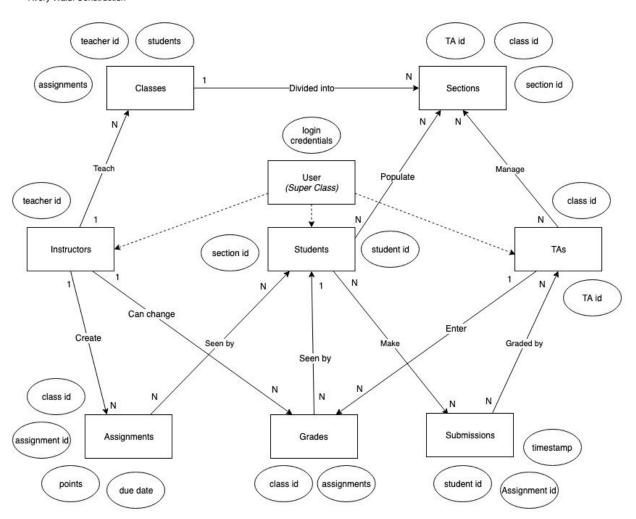
Group 8: Class Diagram:



This diagram demonstrates the entities, attributes, and methods involved in the login and logout procedures.

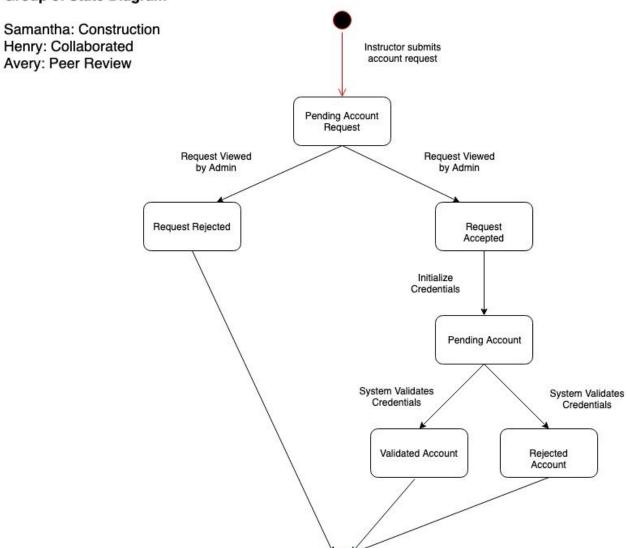
### **Group 8 ER Diagram**

Contributions made by: Samantha Sample: Collaboration Henry Sills: Collaboration Avery Wald: Construction



This diagram displays the main entities and relationship of the entire grade submission system.

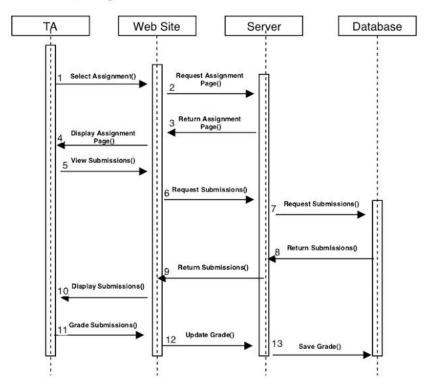
**Group 8: State Diagram** 



This diagram demonstrates the process for a system admin to add a new instructor account into the system following an instructor request.

Group 8: Sequence Diagram: TA Submitting Grades

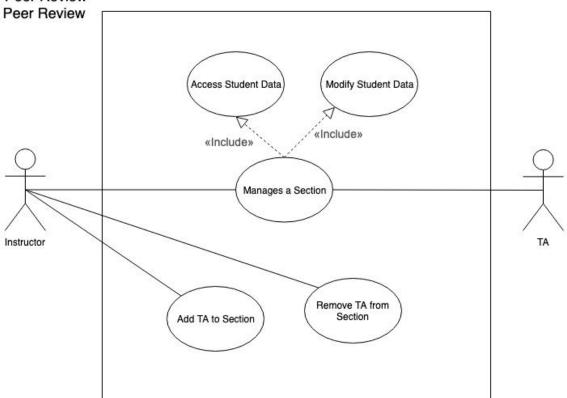
Henry Sills - Construction, Avery Wald - Peer Review, Samantha Sample - Collaboration



This sequence diagram shows the interaction between systems that are involved in a TA submitting grades for select assignments.

Group 8: Use Case Diagram

Samantha: Construction Henry: Peer Review Avery: Peer Review



This diagram illustrates how the instructor and TA users interact with the system when an instructor assigns a TA to a specific course section.

### **Use Case Description:**

TItle: Assign TA to Section

Description: Shows the system behavior when a TA is assigned to a course section by an

instructor

Primary Actors: Instructor, TA

Stakeholders: Students

Precondition: Both instructor and TA have authorized accounts, the Instructor has a course with

at least one section

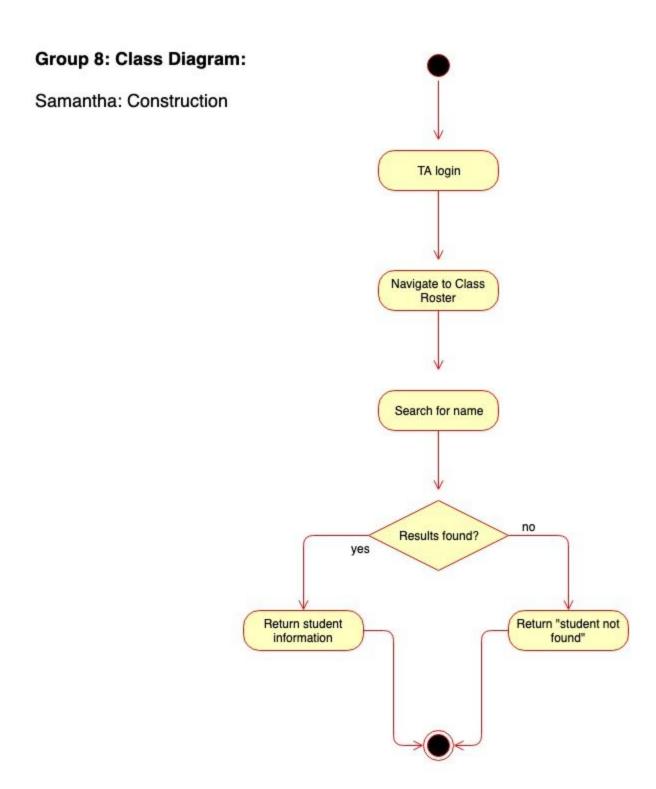
Main Success Scenario: Instructor adds the TA to a section, they both have access and modification rights to the student data/assignments of that section. The Instructor may remove the TA at the end of the class.

Extensions: If the TA wishes to be removed from a section, functionality should be added for the TA to request removal.

Postcondition: The TA only has access to their assigned section

Group 8 Activity Diagram for TA Grade Submission **Henry Sills** TA Login No Correct Credentials? Yes Select Assignment Check submissions No Submitted? Yes Grade Assignment Submit grade

This is an activity log for a TA grading assignments submitted by students.



This diagram displays the activity of a TA searching their section's roster for a student's information.

# Pool Lane 1 Lane 2 Lane 3 Group 8 Contributions made by: Avery Wald - Constructed Henry Sills - Peer Review Samantha Sample - Peer Review TA submits grade change Instructor Instructor denies grade accepts grade change change check the standard Grade object change request sent to database deviation of the course updated in Grade object database keeps initial Grade object is updated from could not database happen bc of network issues TA and student are notified of grade change Users can view grades on the site

## **Activity Diagram for TA Submitting a Grade Change**

This activity diagram shows a TA editing a grade entry, and how the system would pass the

request to the course instructor to be accepted or denied. I thought this process would help keep the user network well informed and connected.