Software Engineering CS 4320
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Project 2: Architecture and System Design Process

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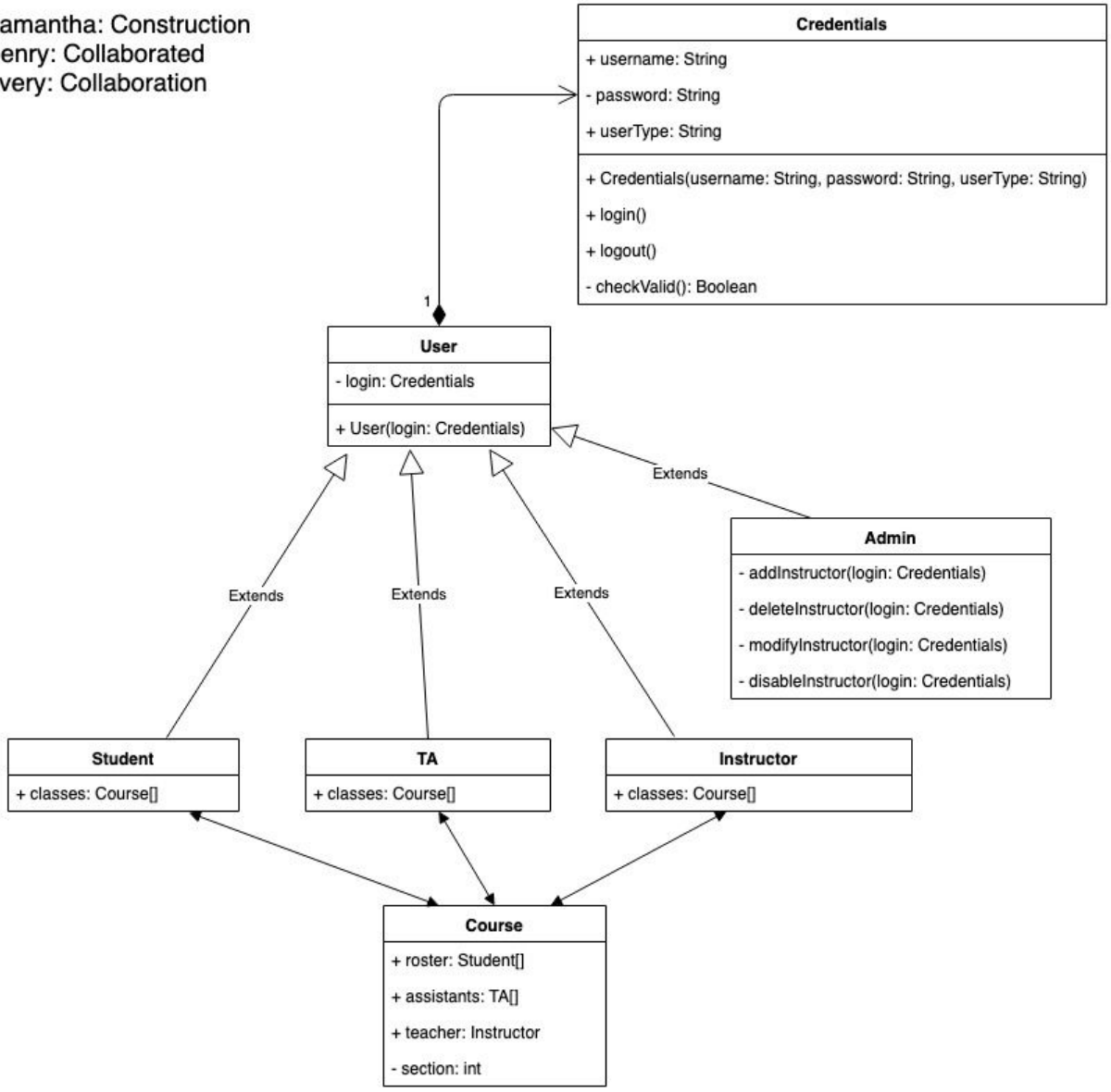
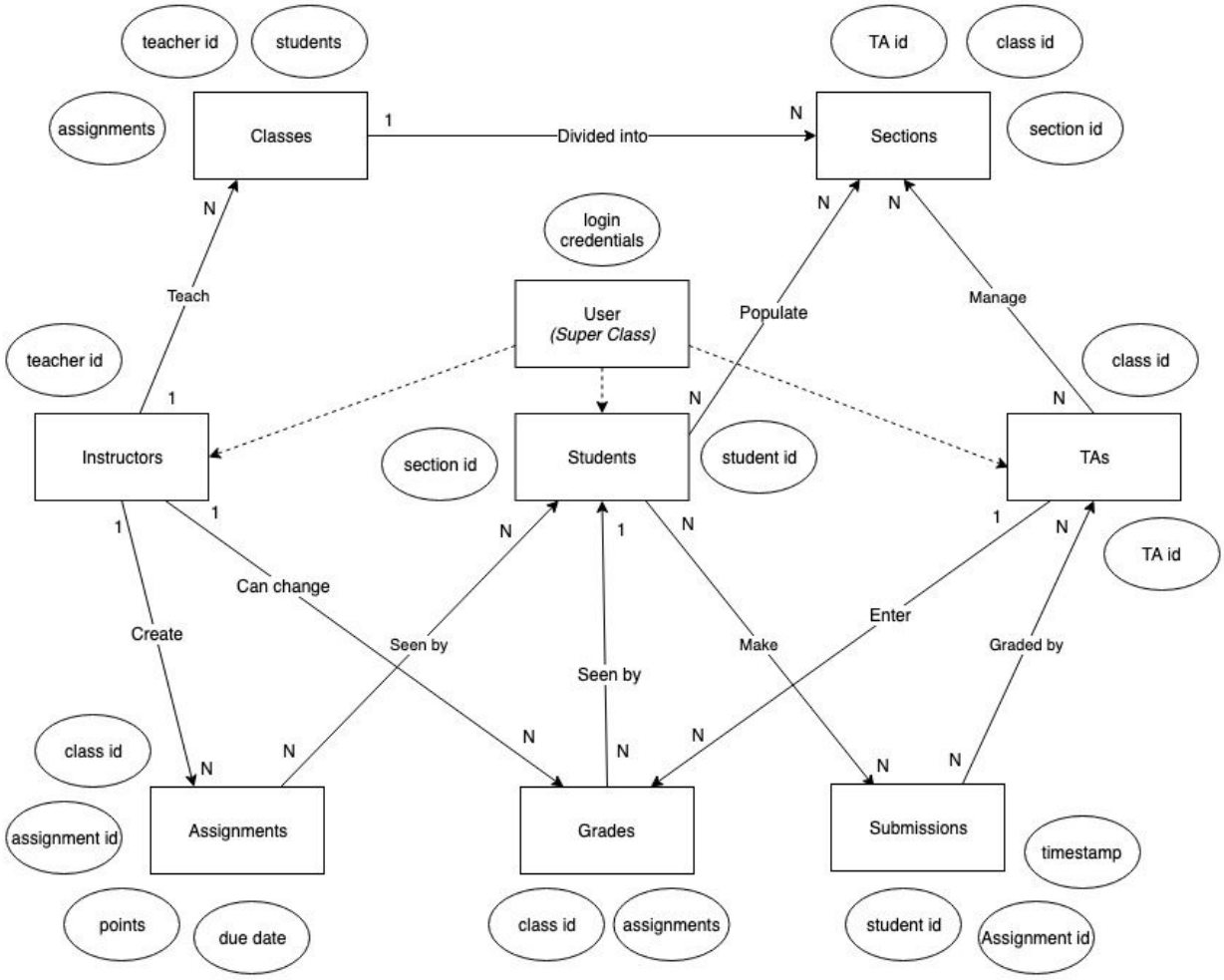
Group 8: Class Diagram:

Samantha: Construction
Henry: Collaborated
Avery: Collaboration



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

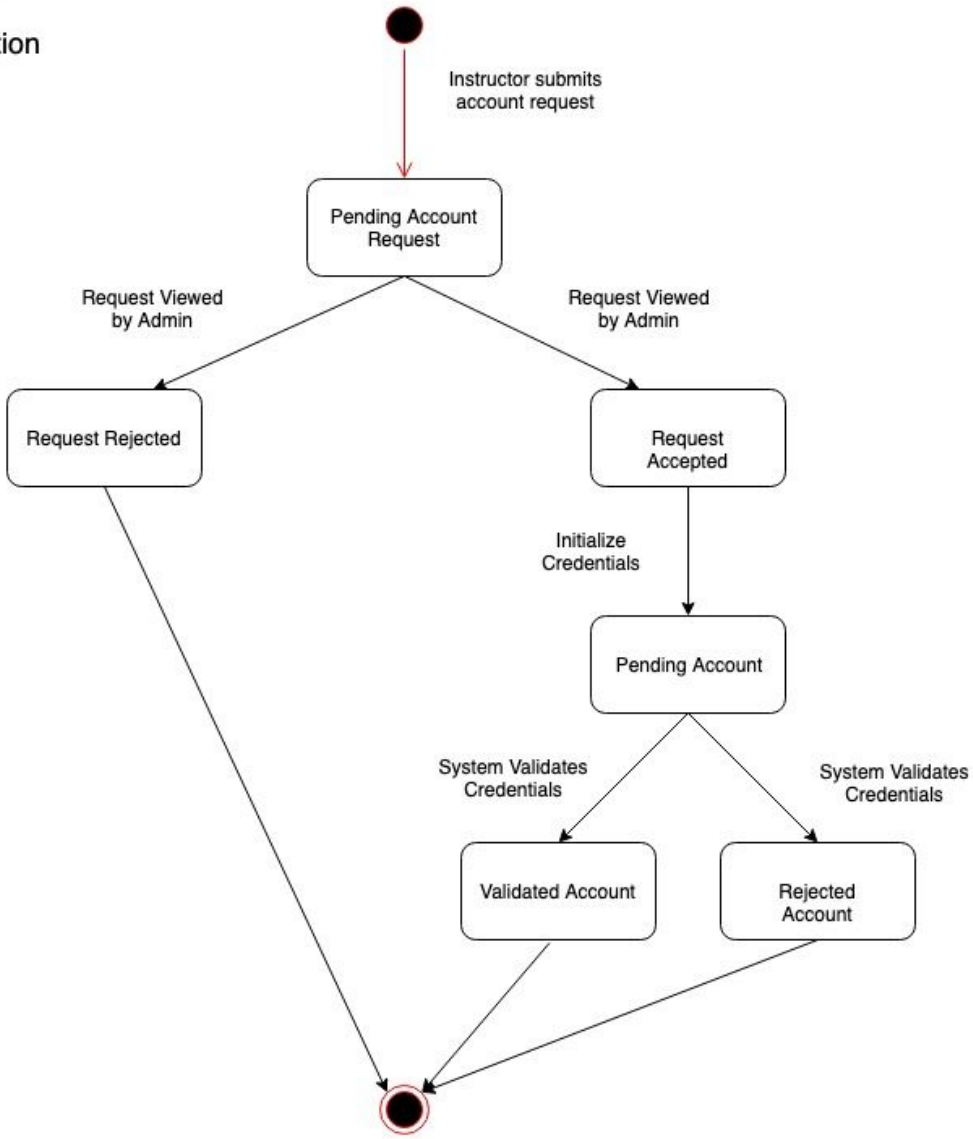
Group 8 ER Diagram
Contributions made by:
Samantha Sample: Collaboration
Henry Sills: Collaboration
Avery Wald: Construction



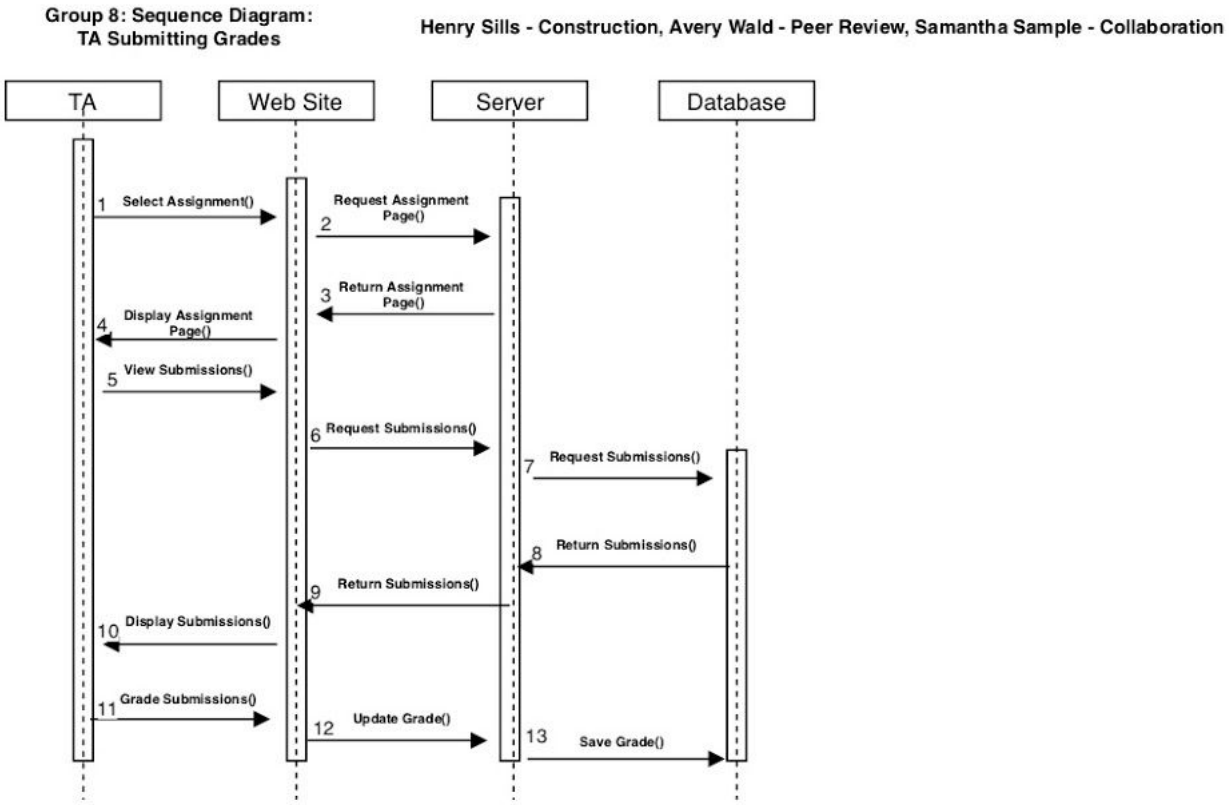
This diagram displays the main entities and relationship of the entire grade submission system.

Group 8: State Diagram

Samantha: Construction
Henry: Collaborated
Avery: Peer Review



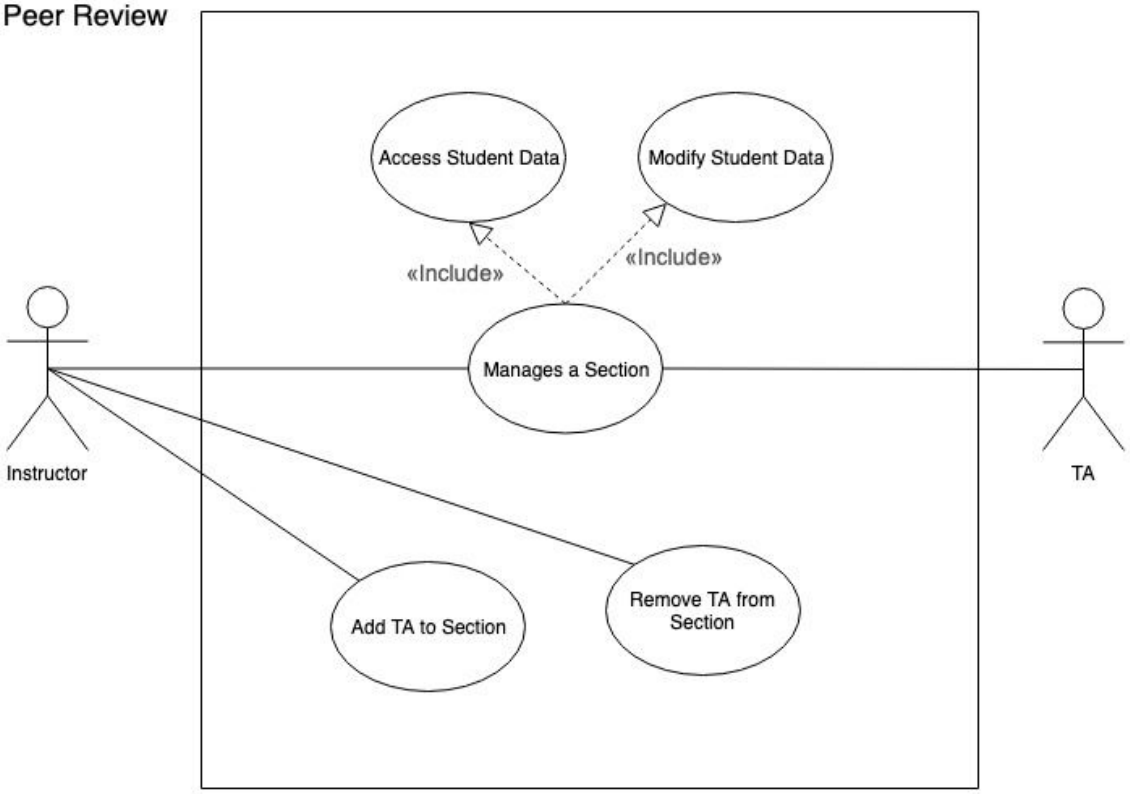
This diagram demonstrates the process for a system admin to add a new instructor account into the system following an instructor request.



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

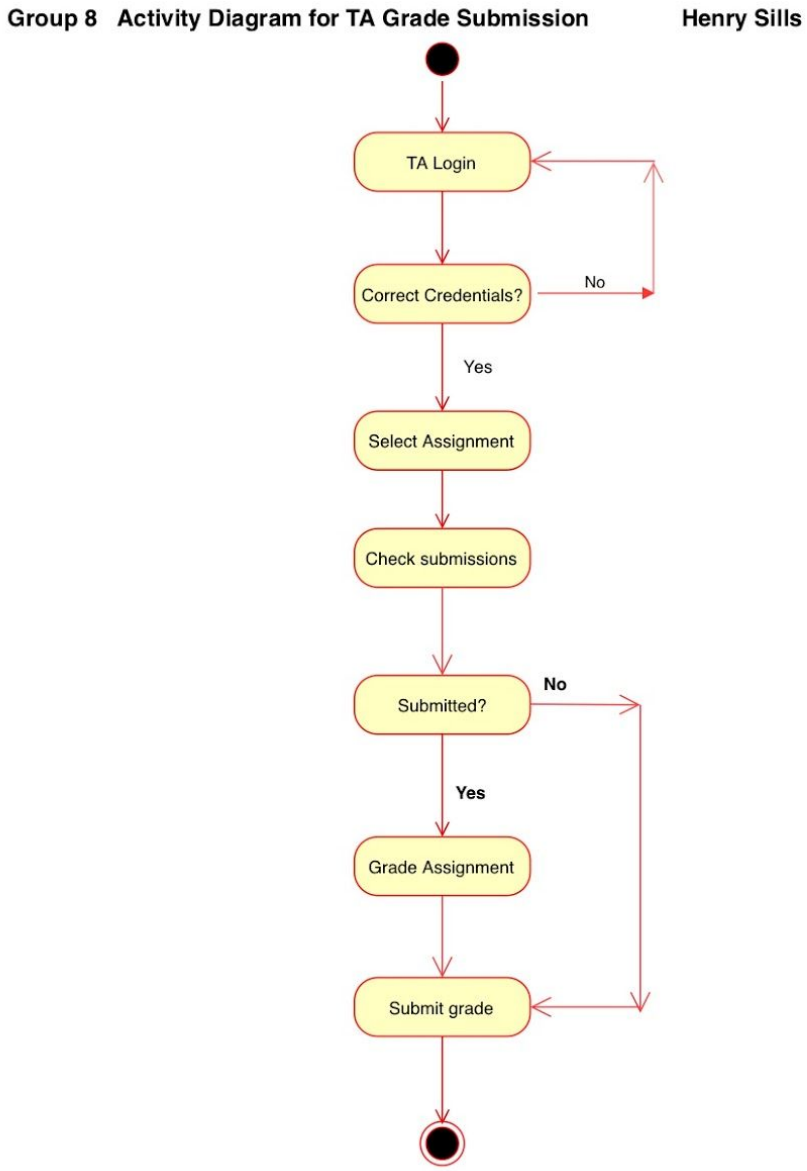
Group 8: Use Case Diagram

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.

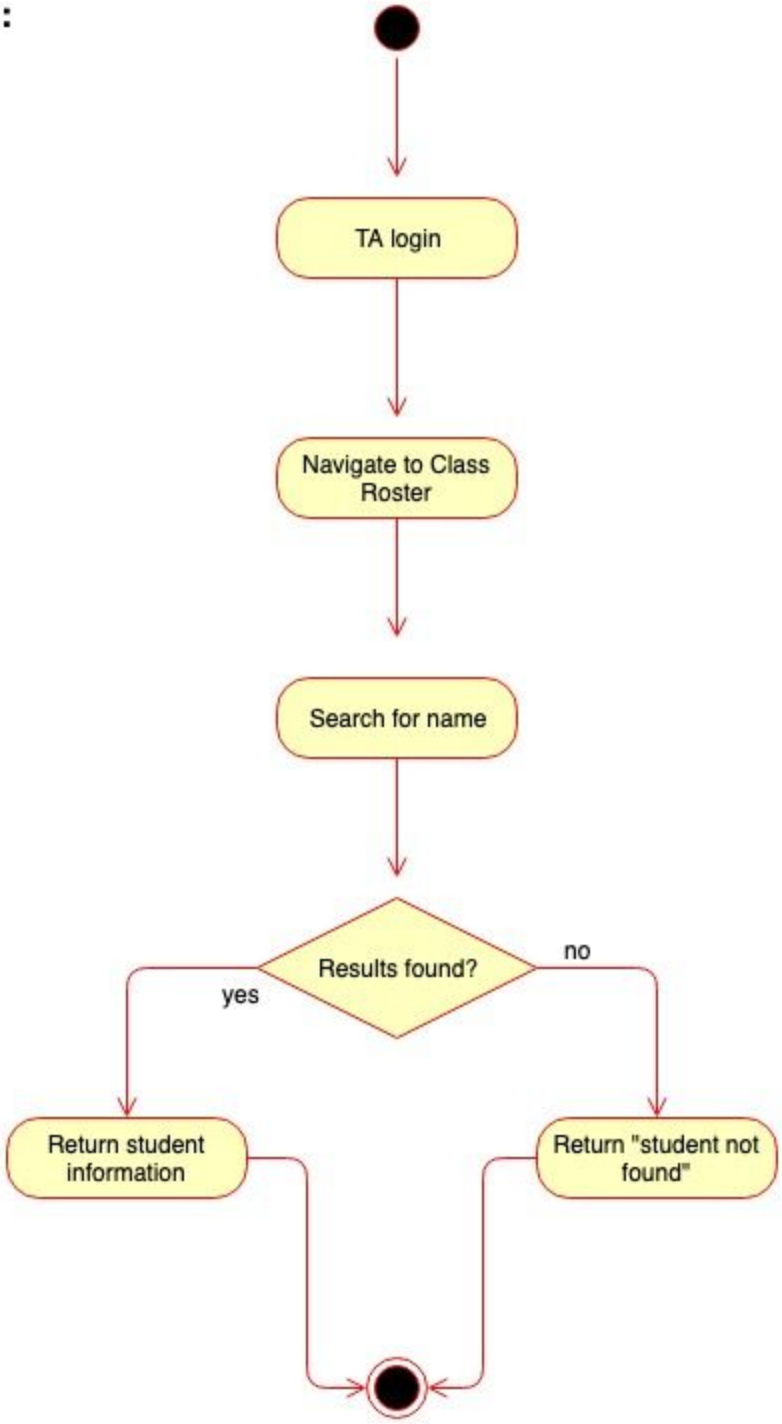
Use Case Description:
TItle: Assign TA to Section
Description: Shows the system behavior when a TA is assigned to a course section by an instructor
Primary Actors: Instructor, TA
Stakeholders: Students
Precondition: Both instructor and TA have authorized accounts, the Instructor has a course with at 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



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

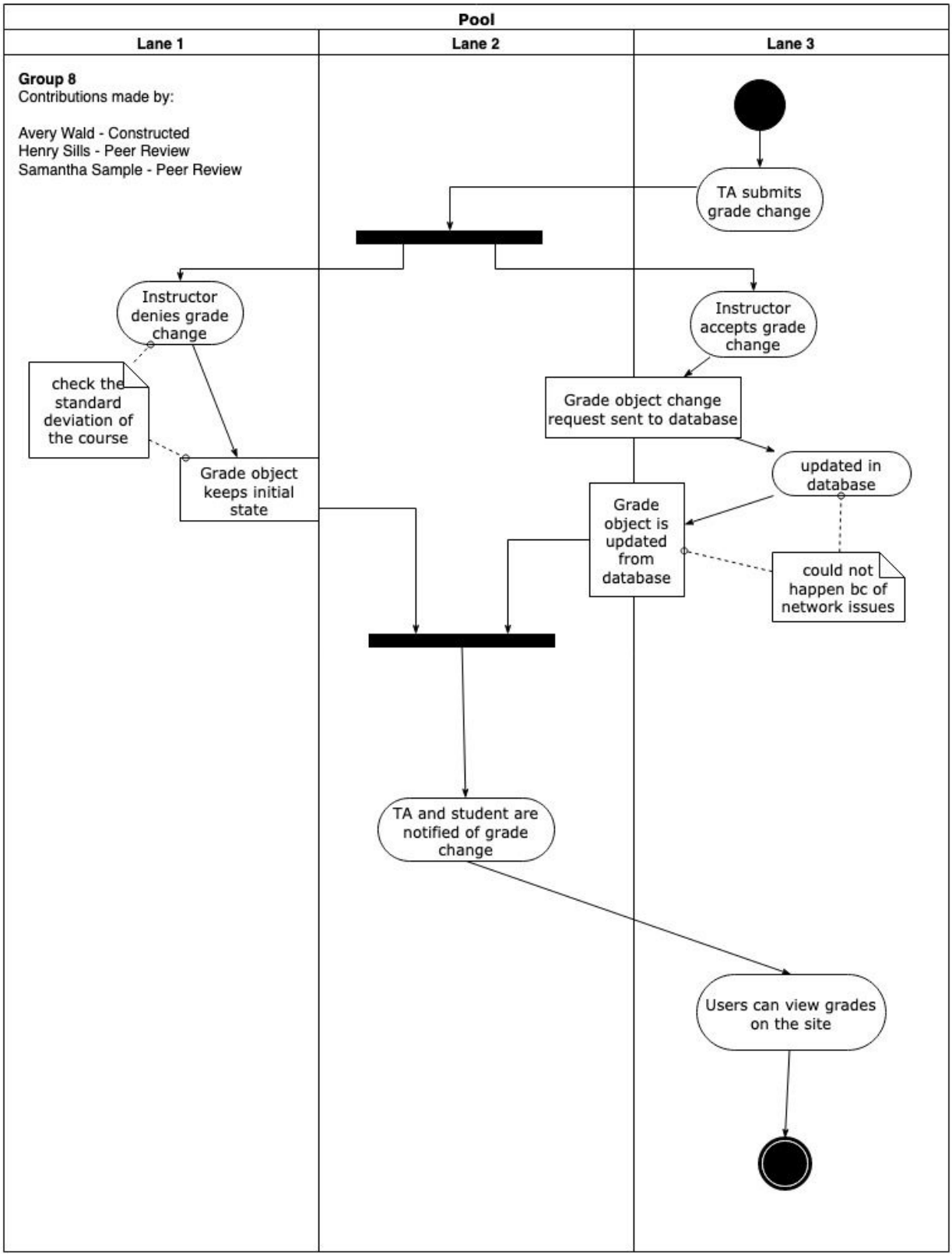
Group 8: Class Diagram:

Samantha: Construction



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

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.