

Assignment 4

Matthew Connealy
Davin Heilich
Trey Shaw

Table of Contents

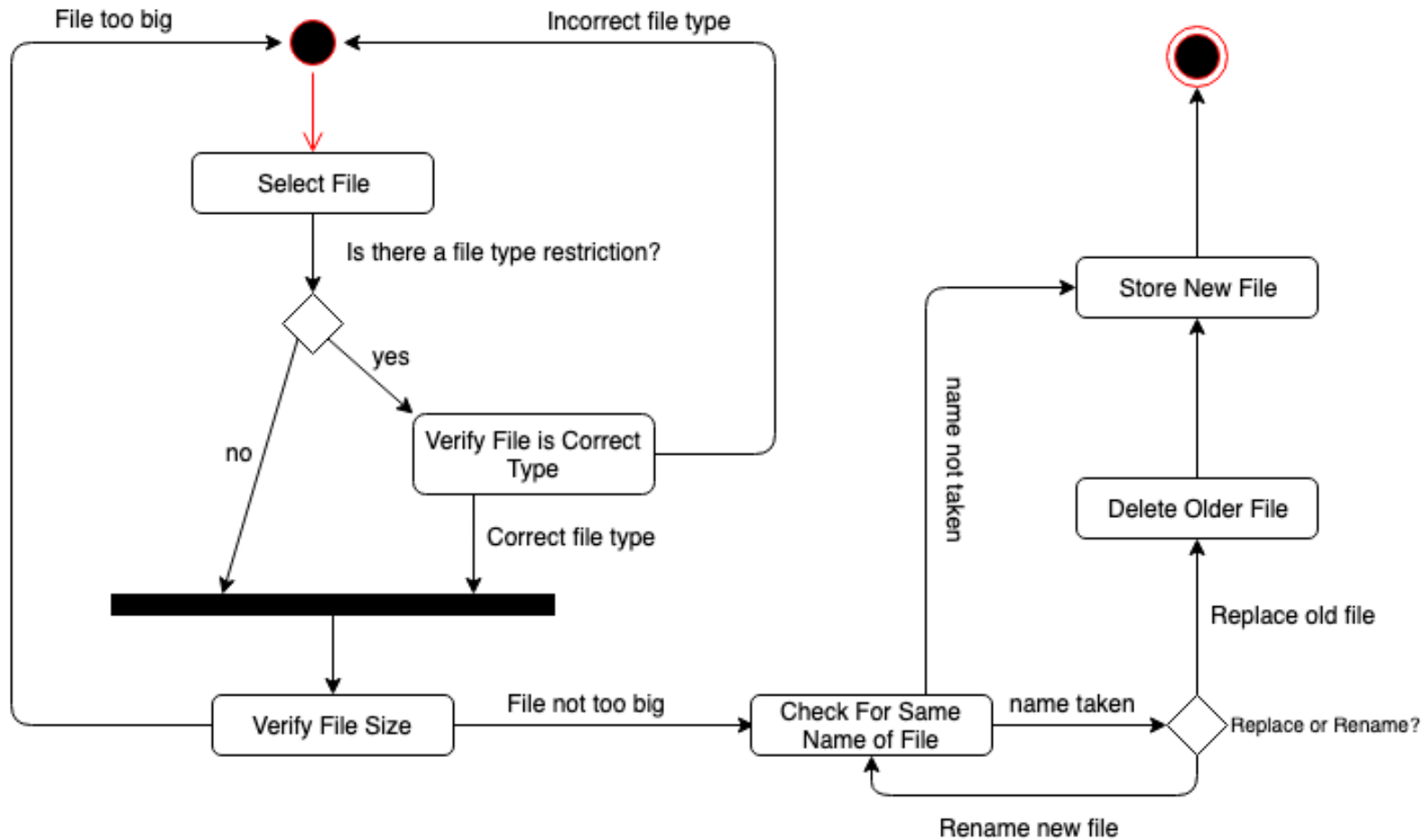
Activity Diagrams

Student Submission Upload.....	Page 3
TA View Submission.....	Page 4
TA Activity Diagram.....	Page 5

Other Required Diagrams

Entire System ER Model.....	Page 6
Use Case Diagram.....	Page 7
Class Diagram.....	Page 8
Sequence Diagram.....	Page 9
State Machine Diagram.....	Page 10

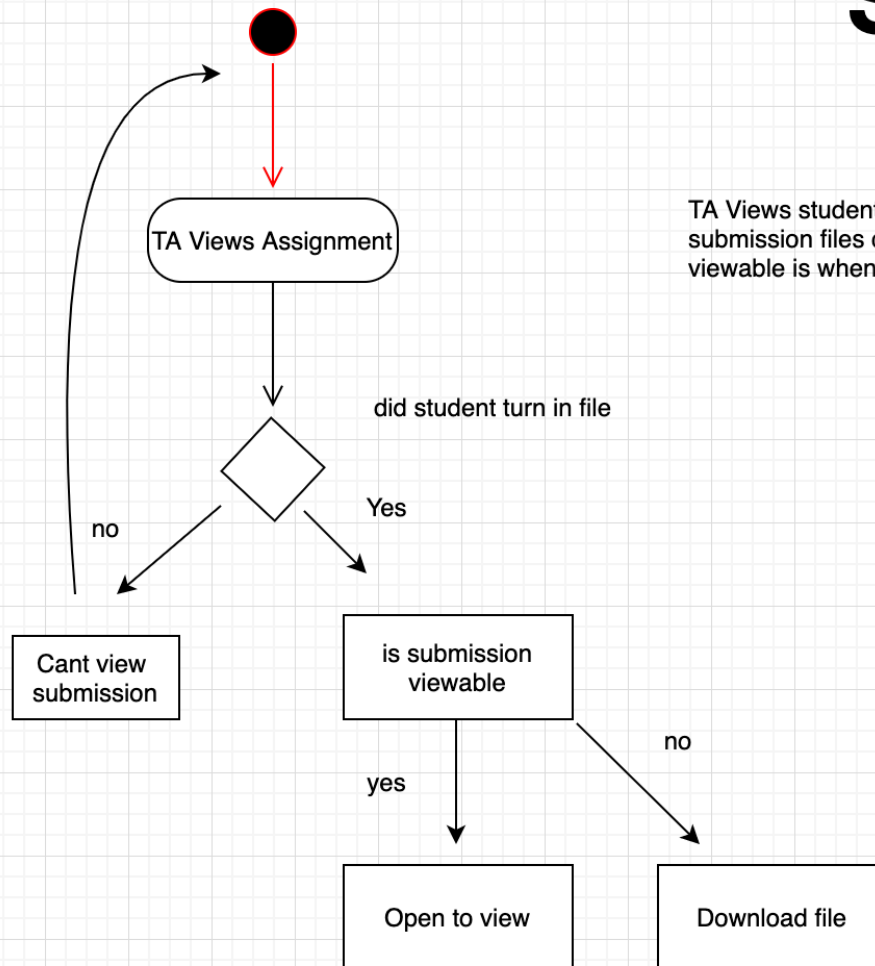
Student Upload File



The student file upload activity allows the student to send a file to the database for submission. The system will apply any file type restriction specified by the instructor, verify the file is not too large, and will make sure there are no other files belonging to the student with the same name.

Contributors: Trey Shaw

TA's View Submissions



TA Views student submissions activity allows the TA to view student submission files or or download them for grading purposes. only not viewable is when the student turns nothing in.

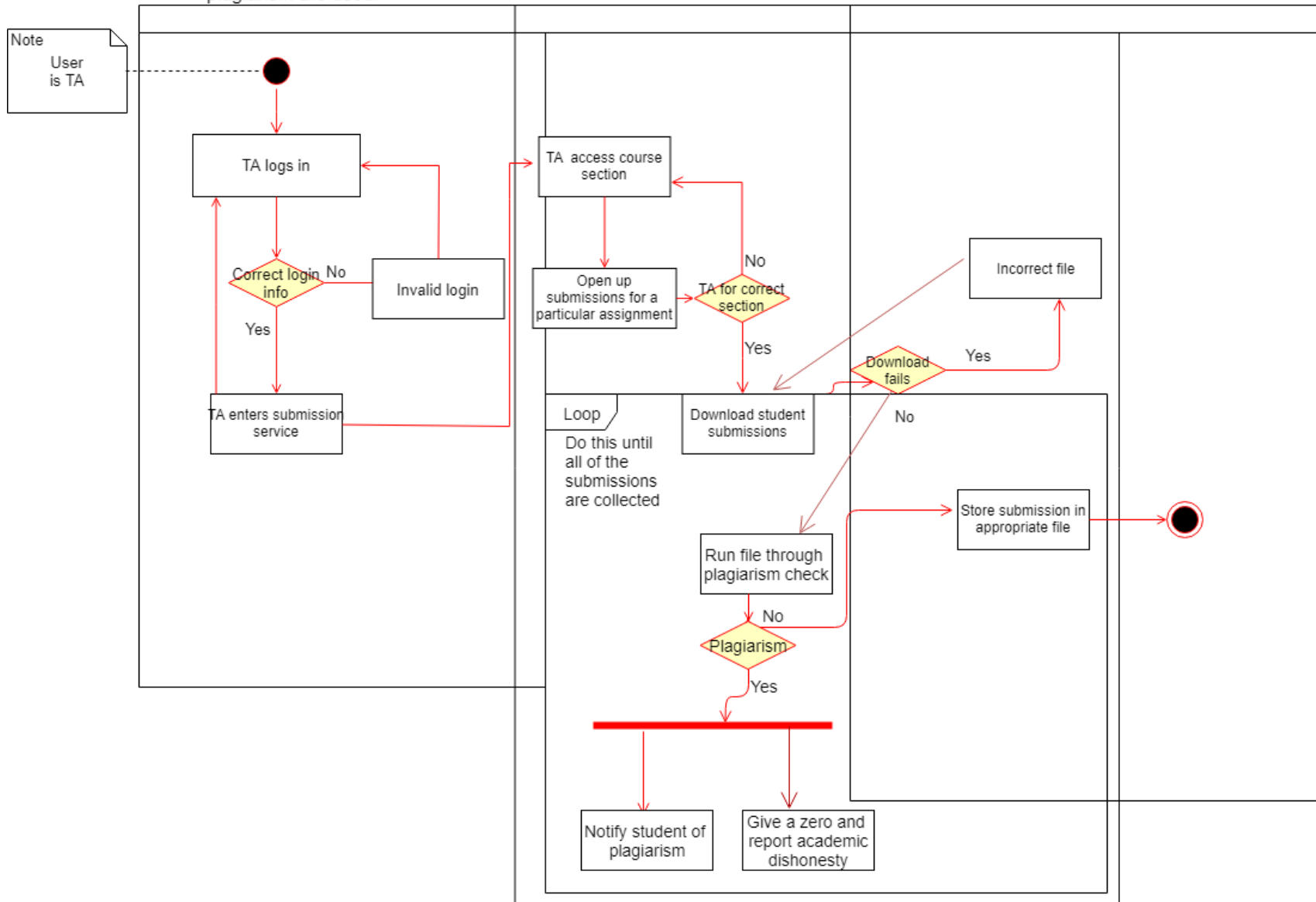
Contributors:
Davin Heilich

Activity
Diagram:
Activity 5
for TA

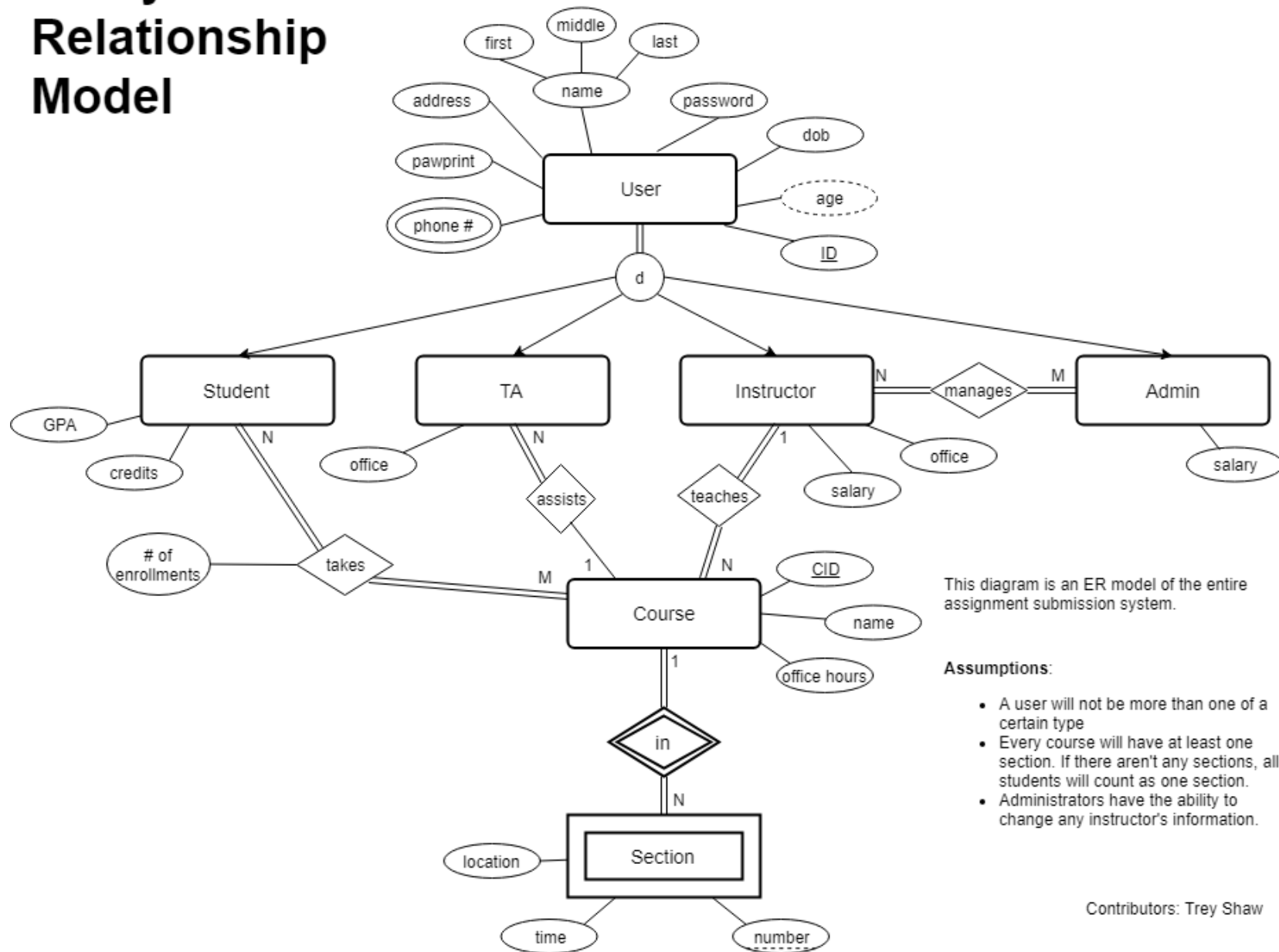
The start of the diagram has the TA login and checks to make sure the login is valid. The diagram then goes through the TA opening up their assigned course section and downloading the submissions for the assignment. After all submissions have been saved, the end state is reached. A loop is inserted for downloading and saving each student submission, and appropriate checks for section, login, download and plagiarism are used.

Contributors:
Matthew Connealy

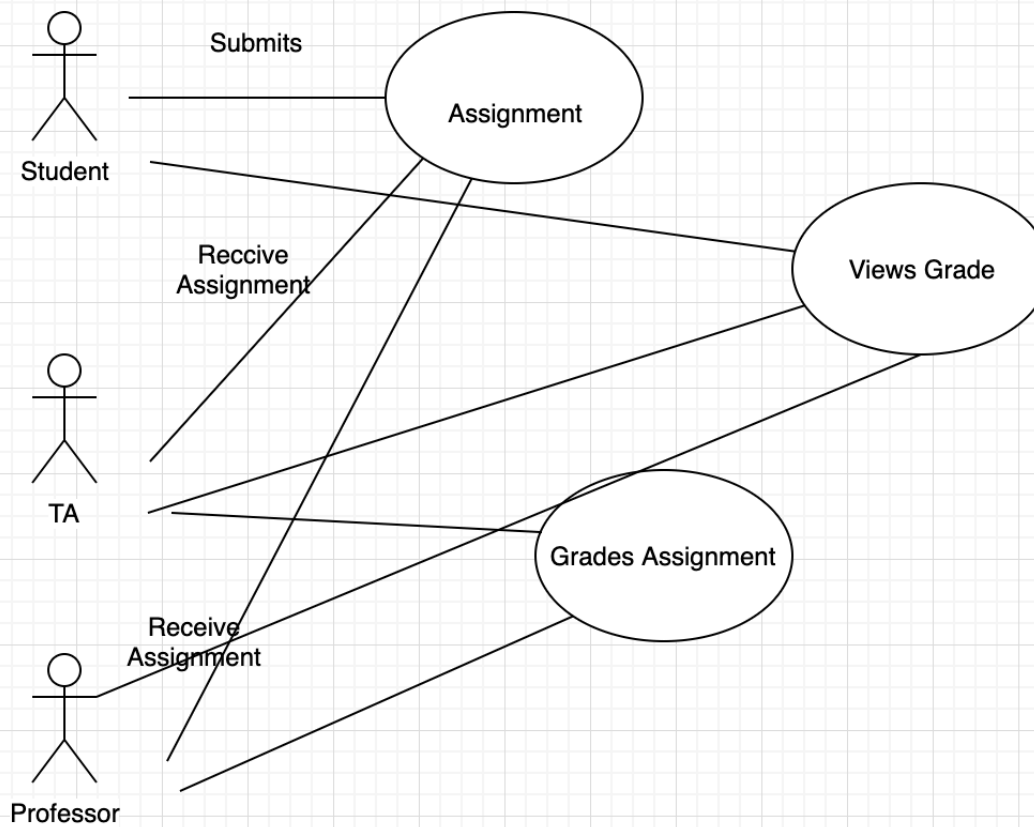
5



Entity Relationship Model



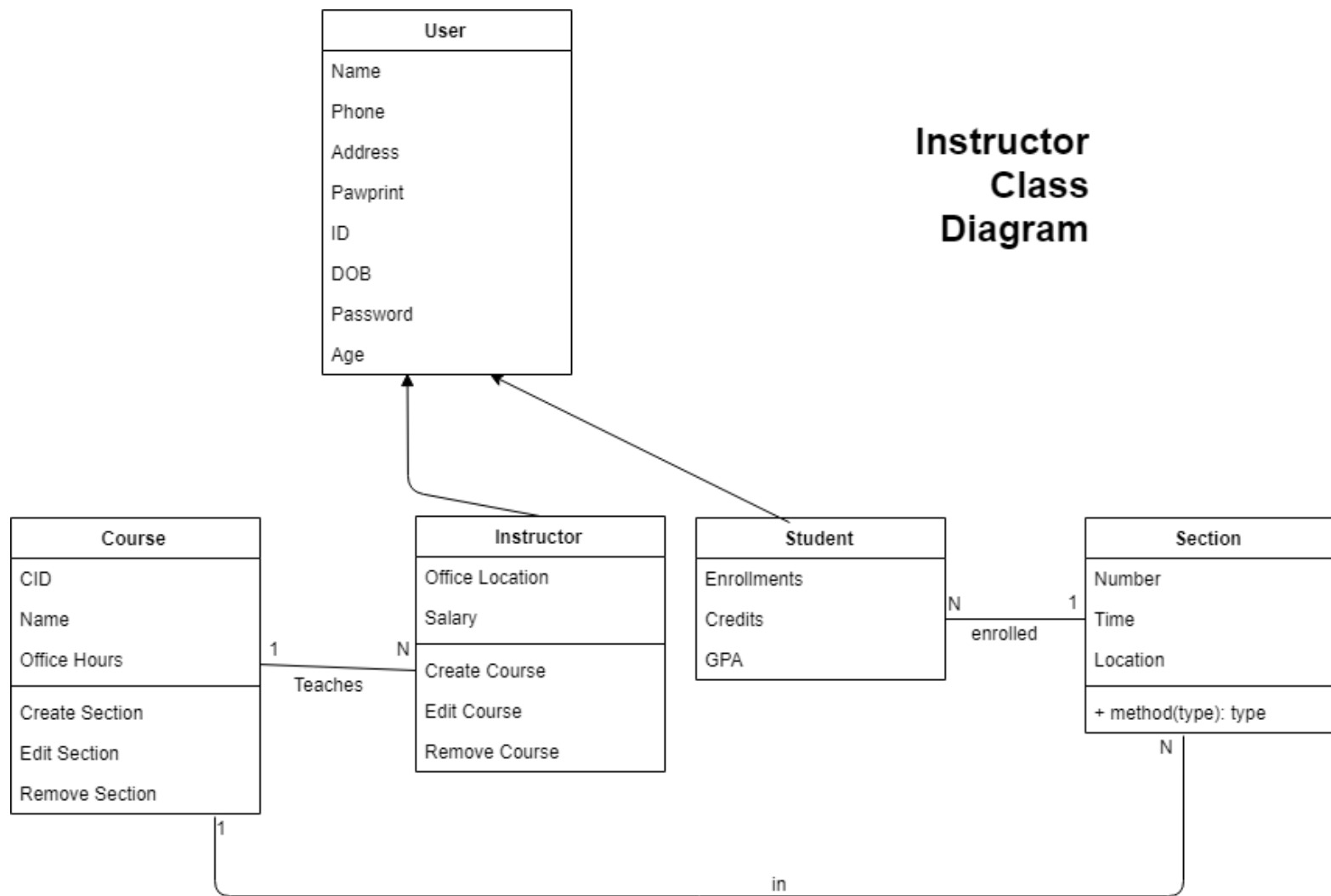
Contributors: Trey Shaw



Use Case Diagram

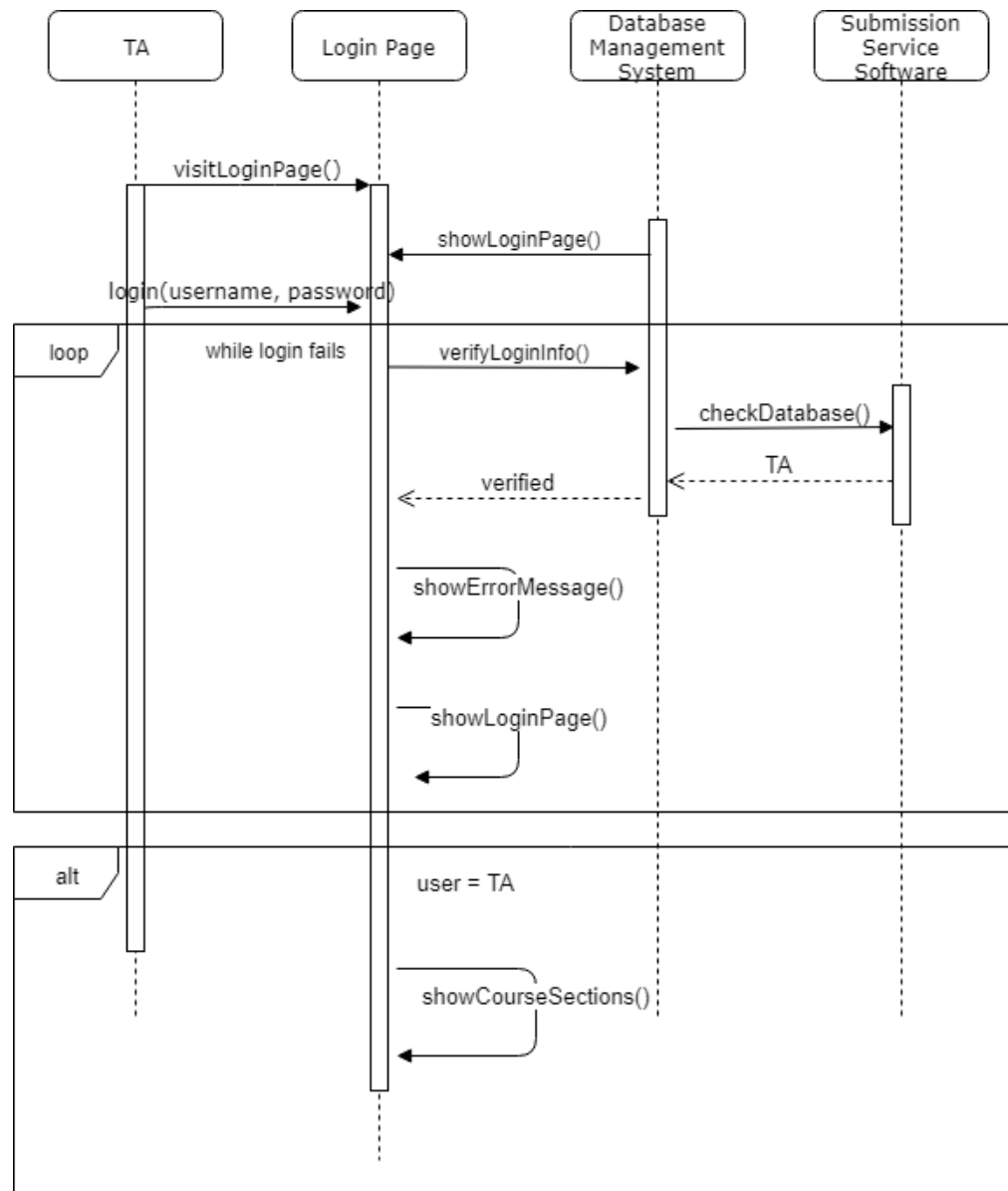
Use case diagram showing the use of each activity and how the users may interact

Contributors :
Davin Heilich
Trey Shaw



This class diagram shows how instructors can add/edit/remove courses and sections.

Contributors: Trey Shaw

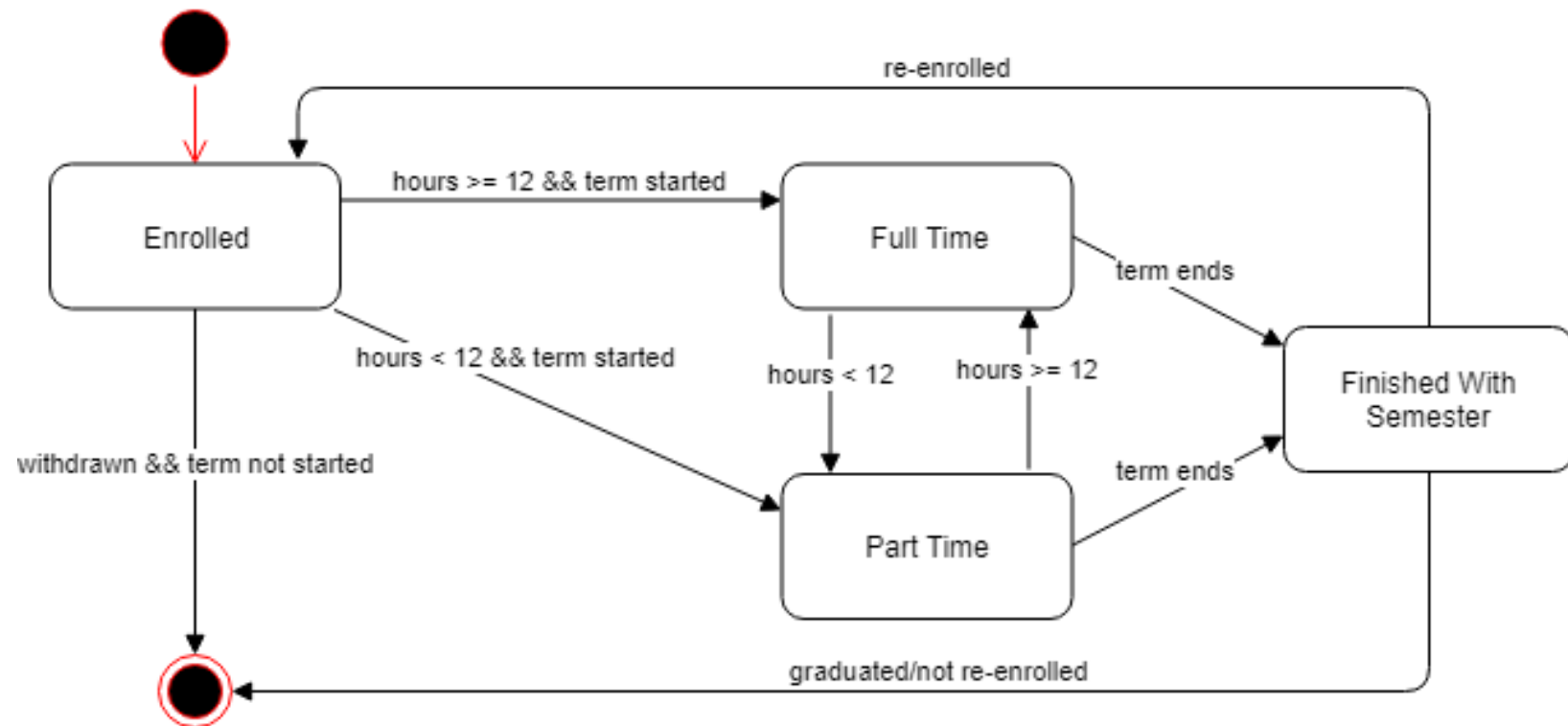


Sequence Diagram:
Activity 1 for TA

The following sequence diagram has TA, login page, DBMS and the submission software as the objects. It starts with the user logging in, and a while loop is used to make sure the user is valid. Once they are verified, the course sections are shown.

Contributors:
Matthew
Connealy

Student State Machine



State machine showing the different states that a student can take on in the system.

Contributors: Trey Shaw