Design Group Seven

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Project 2: Design Focus (team):

Architecture and System Design

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Software Engineering

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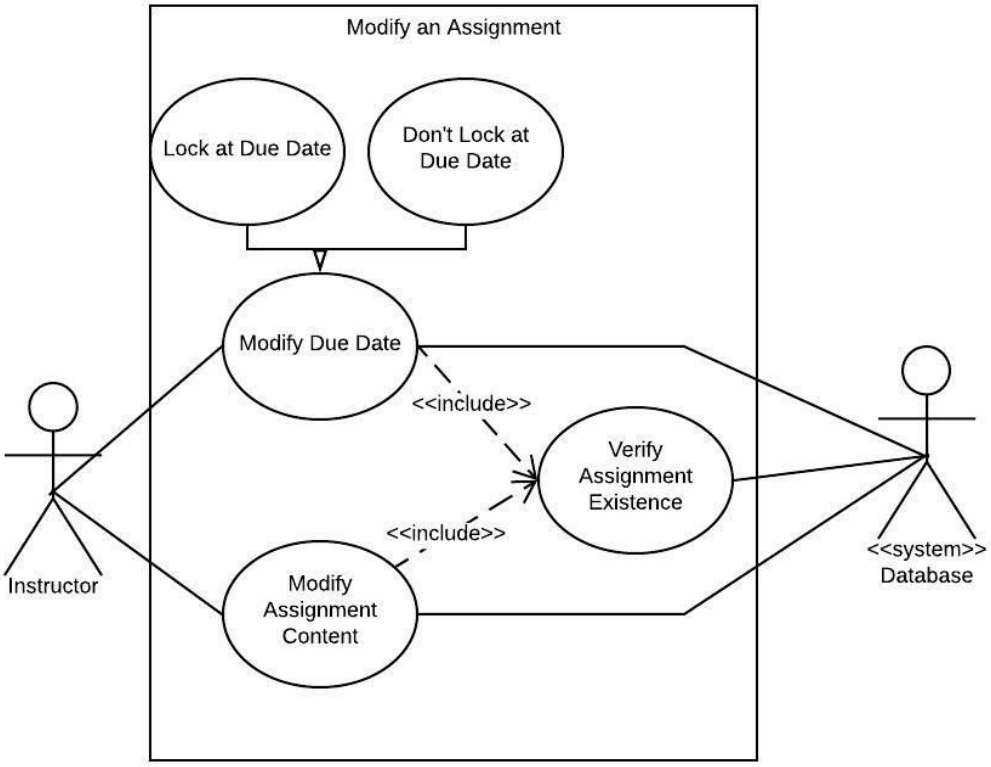
Use Case Diagram:

Created by Connor Travers

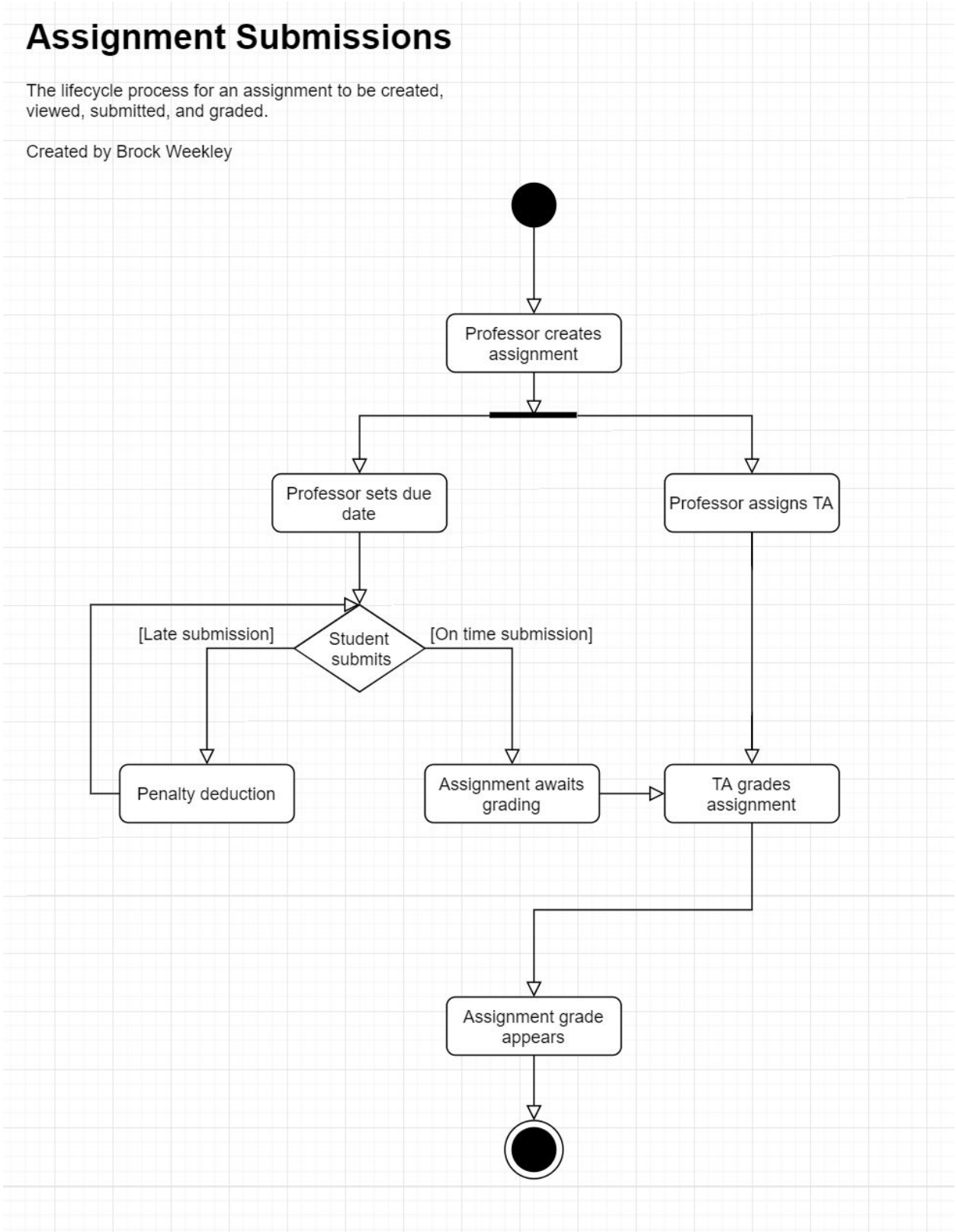
Title: Modify Assignment
Description: An instructor will modify the content of an assignment
Triggers: An instructor clicks on the 'edit assignment' button
Actors: Instructors
Preconditions: The Instructor must be logged in and the assignment must exist
Main Success Scenario: The instructor successfully updates assignment data
Failed End Condition: Assignment not successfully updated, user prompted with error message
Extensions:
User tries to modify nonexistent assignment
- User is prompted with an error message

User wishes to lock the assignment at due date
- System prompts a toggle switch for locking assignment at due date

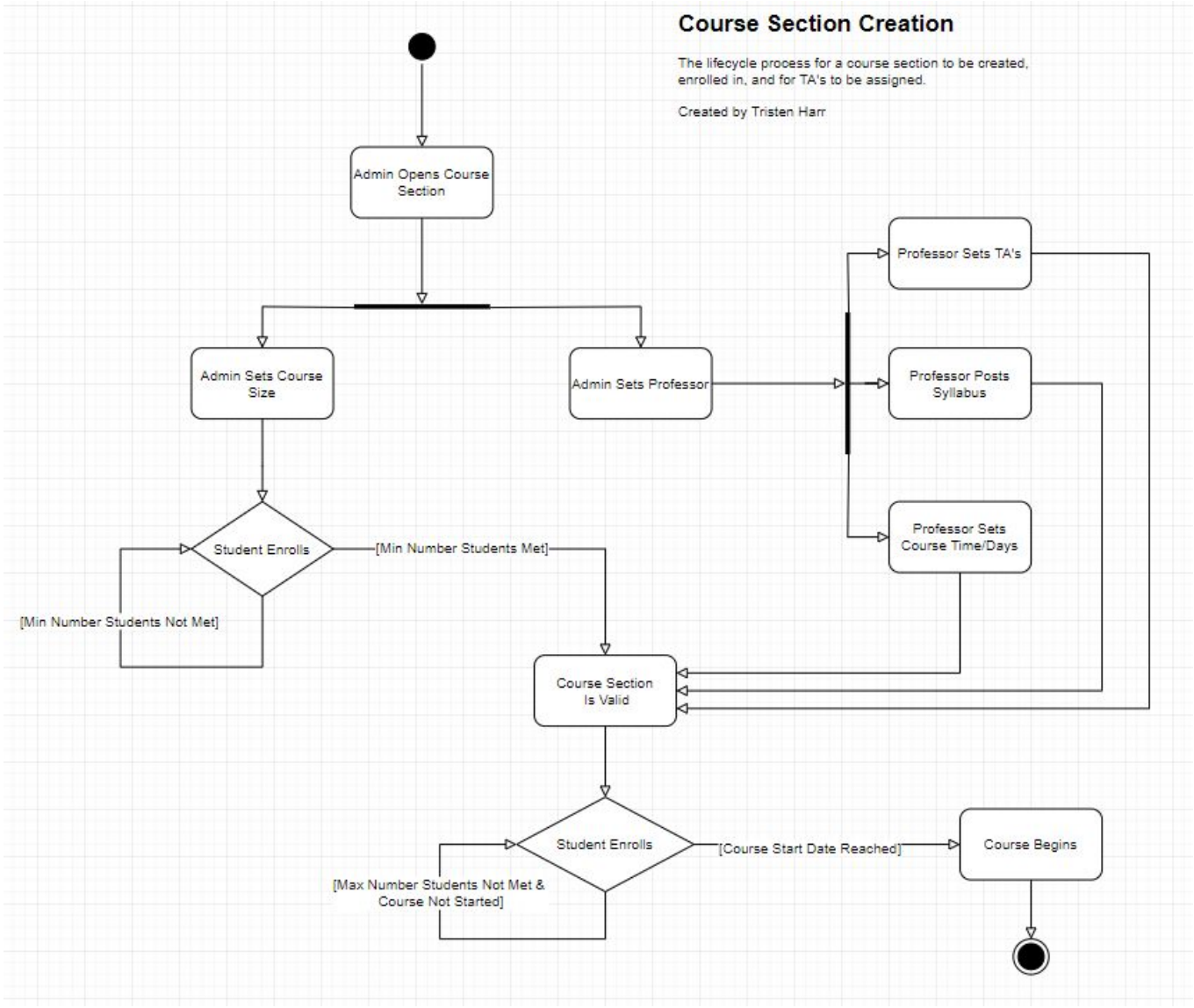
Steps of Execution: Instructor selects an assignment, clicks on an "edit" button, updates assignment data, submits changes to update assignment database



Activity Diagram 1:

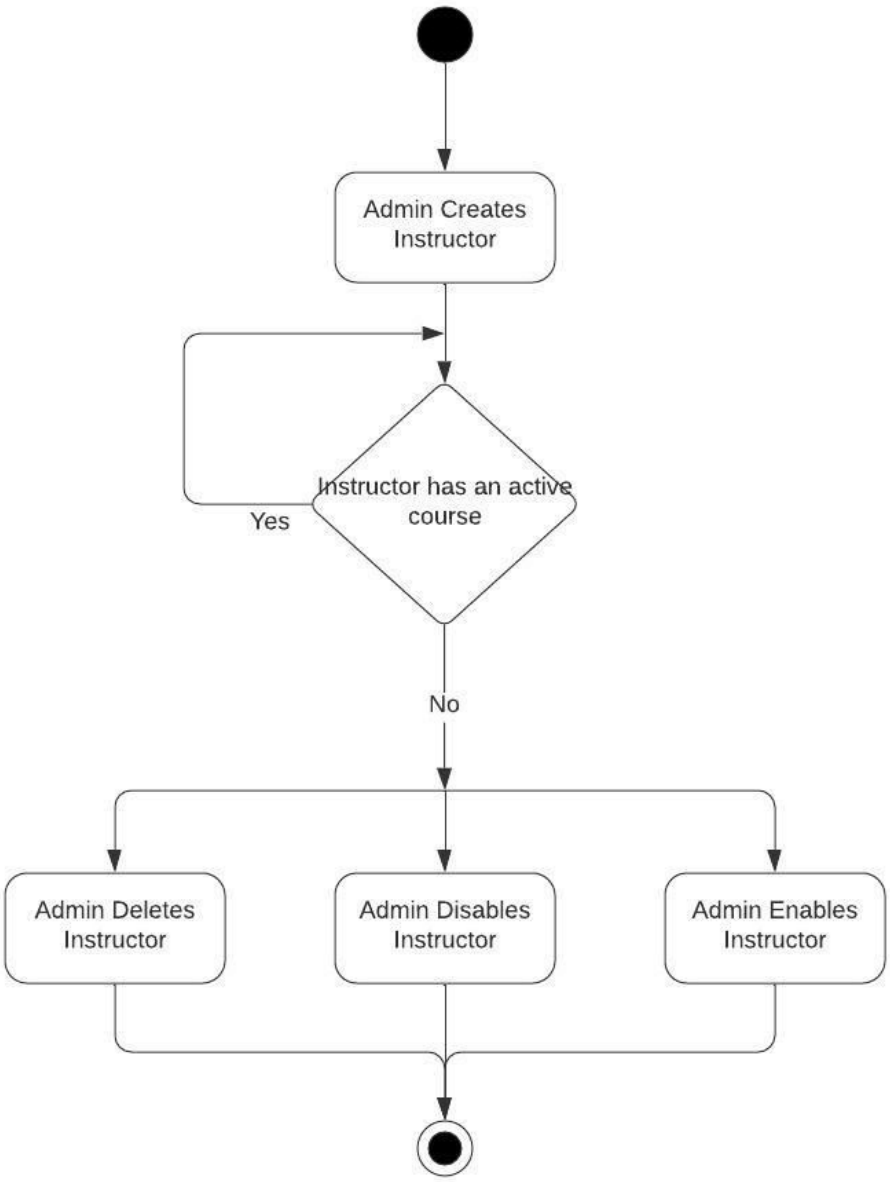


Activity Diagram 2:

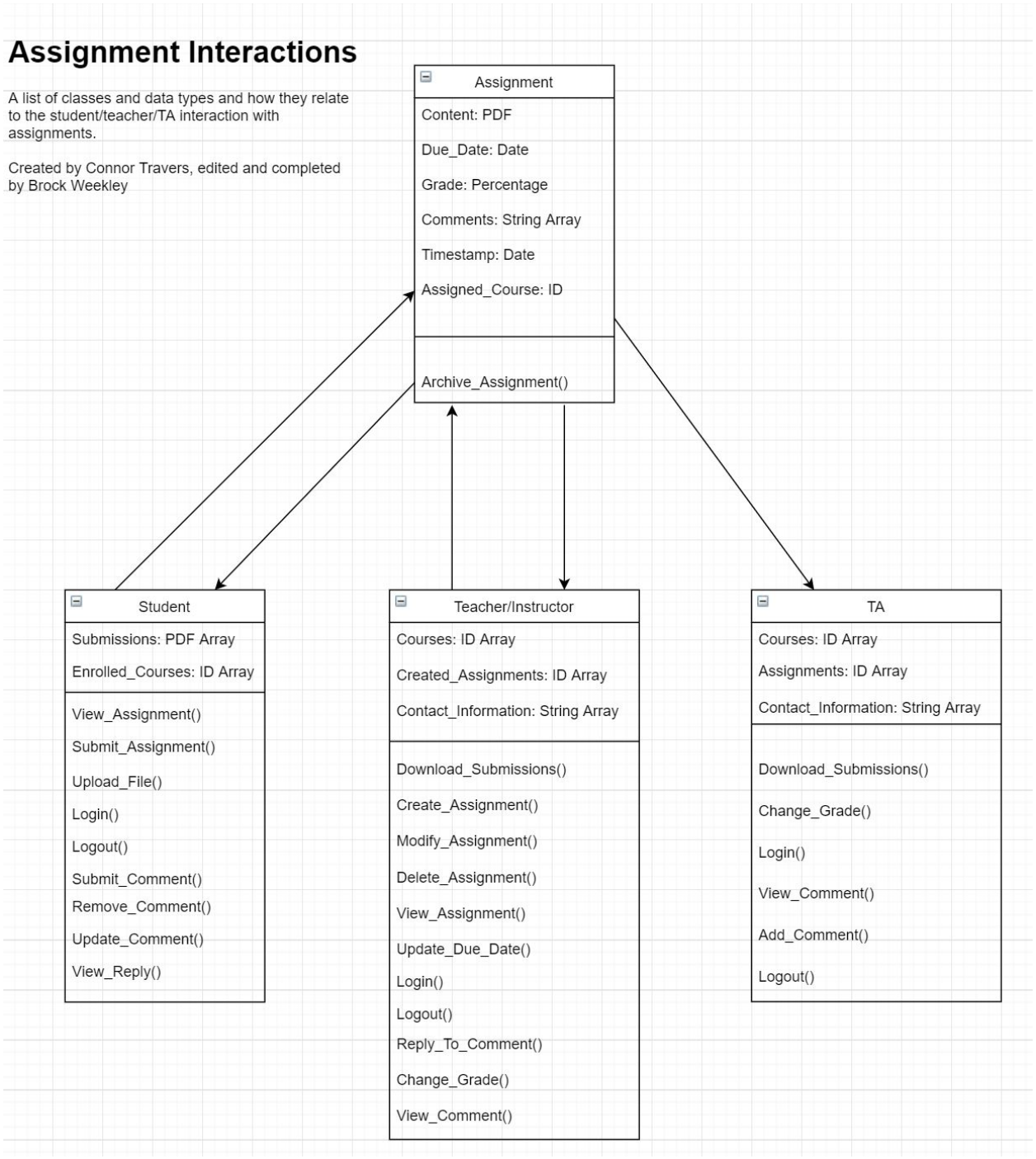


Activity Diagram 3:

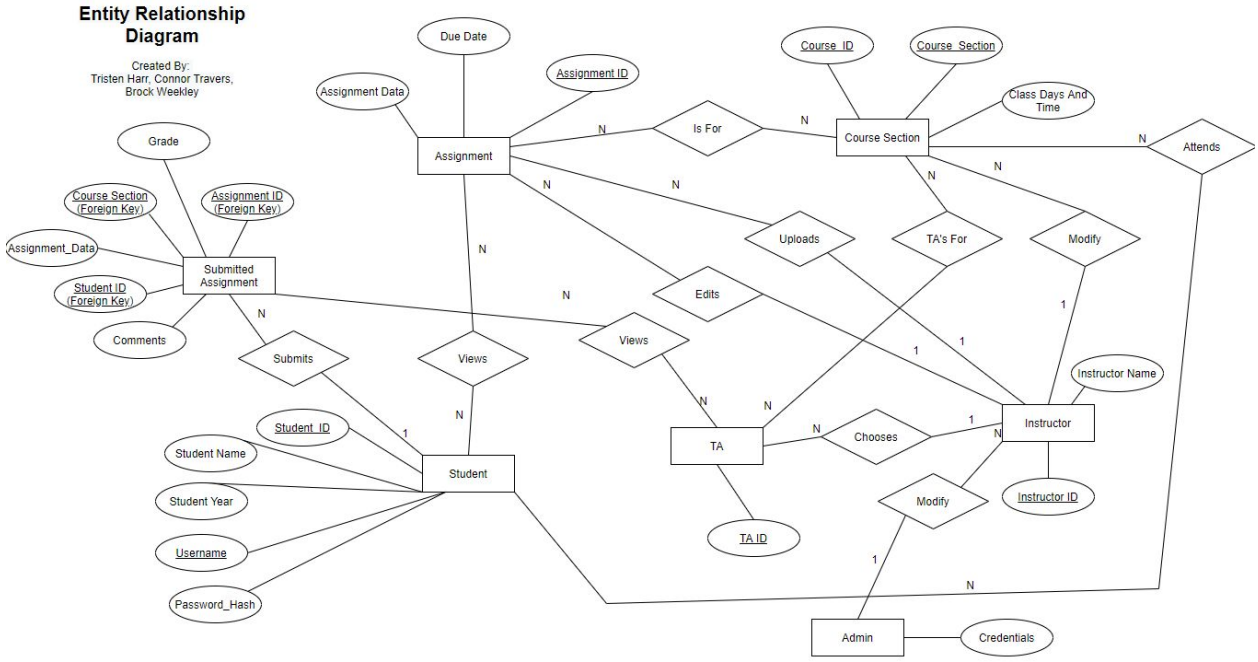
Instructor Modification
The process of creating and modifying Instructors according to Admins.
Created by Connor Travers



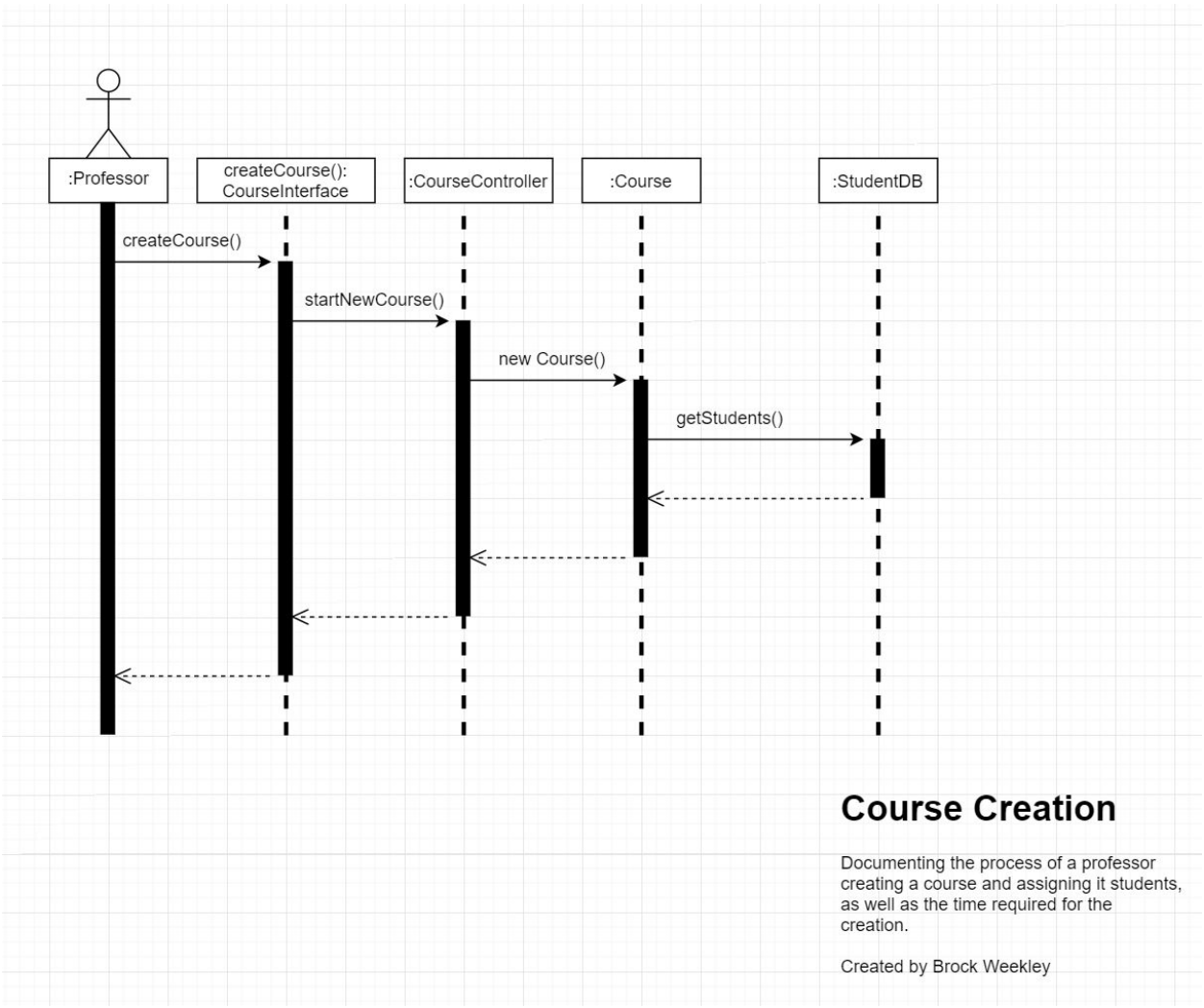
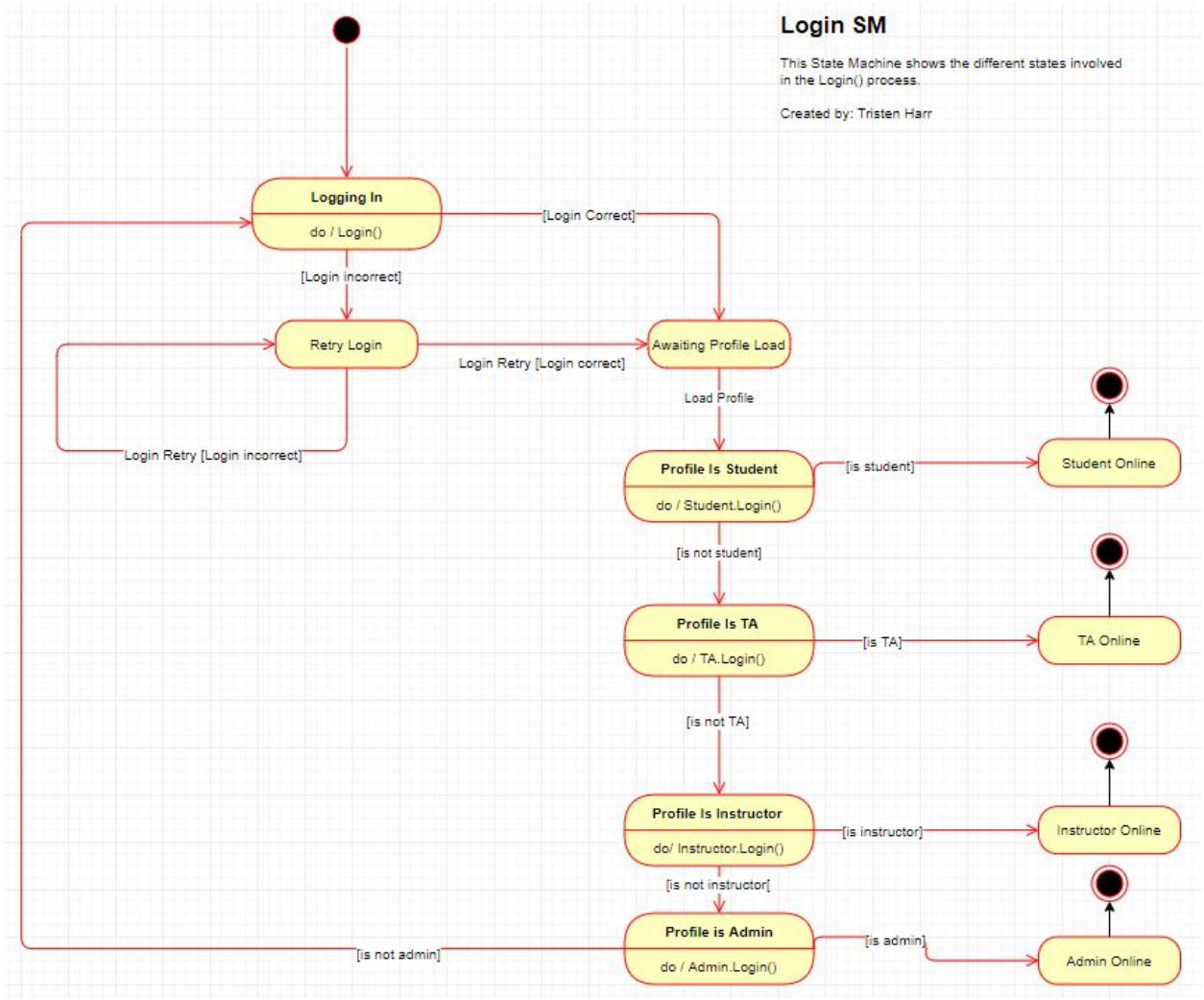
Class Diagram:



ERD


Entity Relationship Diagram
Created By:
Tristen Harr, Connor Travers, Brock Weekley
Due Date
Assignment ID
Assignment Data
Assignment
Is For
Course ID
Course Section
Class Days And Time
Course Section
Attends
Grade
Course Section (Foreign Key)
Assignment ID (Foreign Key)
Assignment_Data
Submitted Assignment
Student ID (Foreign Key)
Comments
Uploads
TA's For
Modify
Edits
Submits
Views
Views
Instructor Name
Instructor
Student ID
Student Name
Student Year
Username
Password_Hash
Student
TA
Chooses
Instructor ID
Modify
TA ID
Admin
Credentials
N
1

Sequence Diagram:



State Machine