

# **Design Group Seven**

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**Project 2: Design Focus (team):**

**Architecture and System Design**

**Process: Fall 2019 CS4320/7320**

**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:

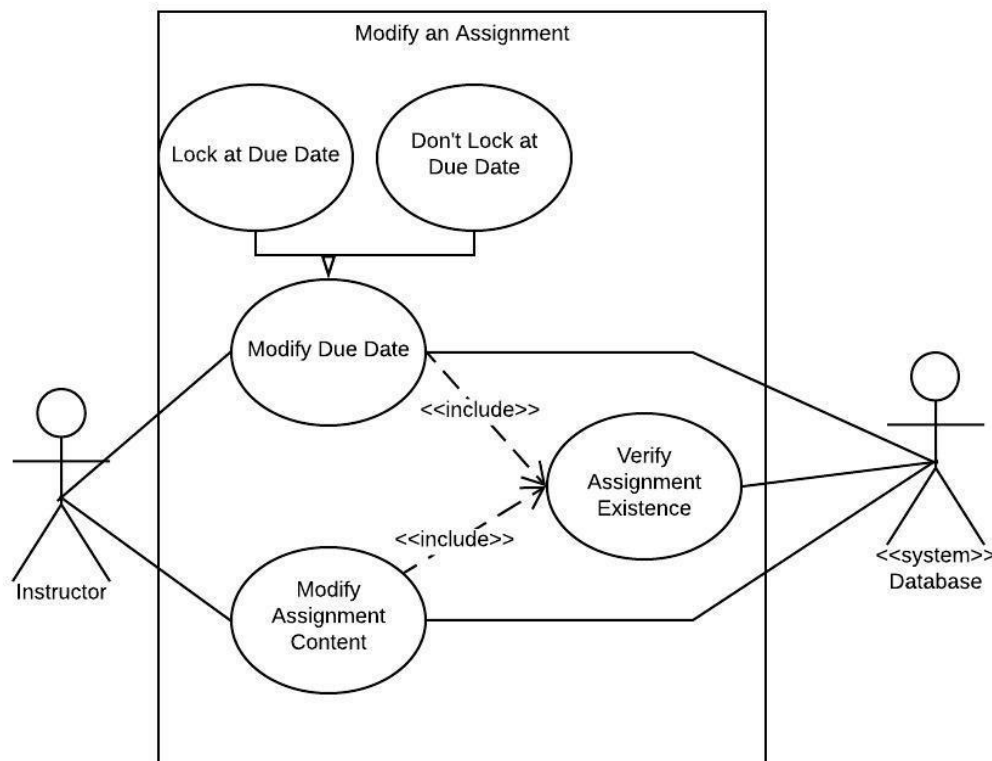
User tries to modify nonexistent assignment

- 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

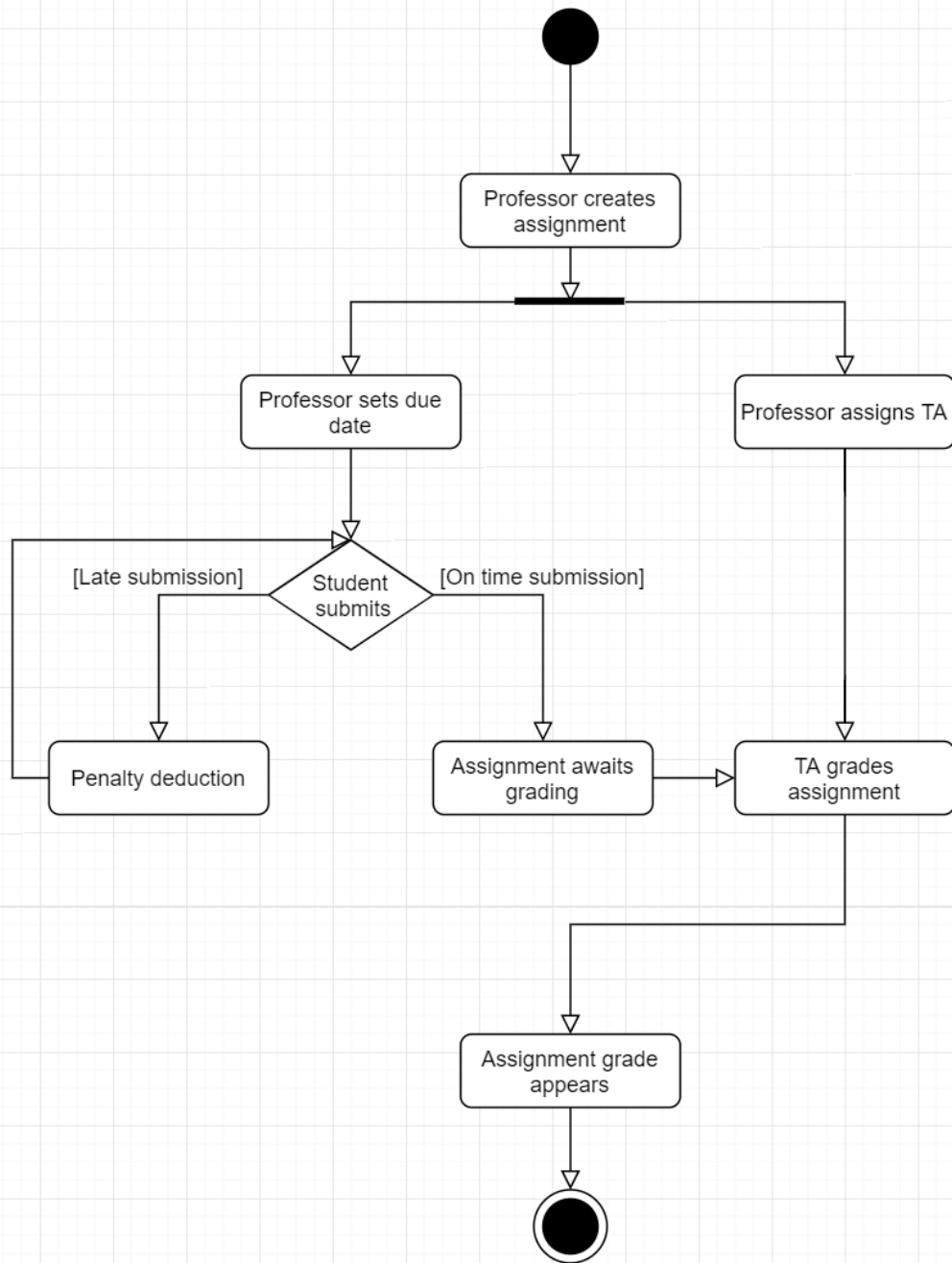
Steps of Execution: Instructor selects an assignment, clicks on an "edit" button, updates assignment data, submits changes to update assignment database



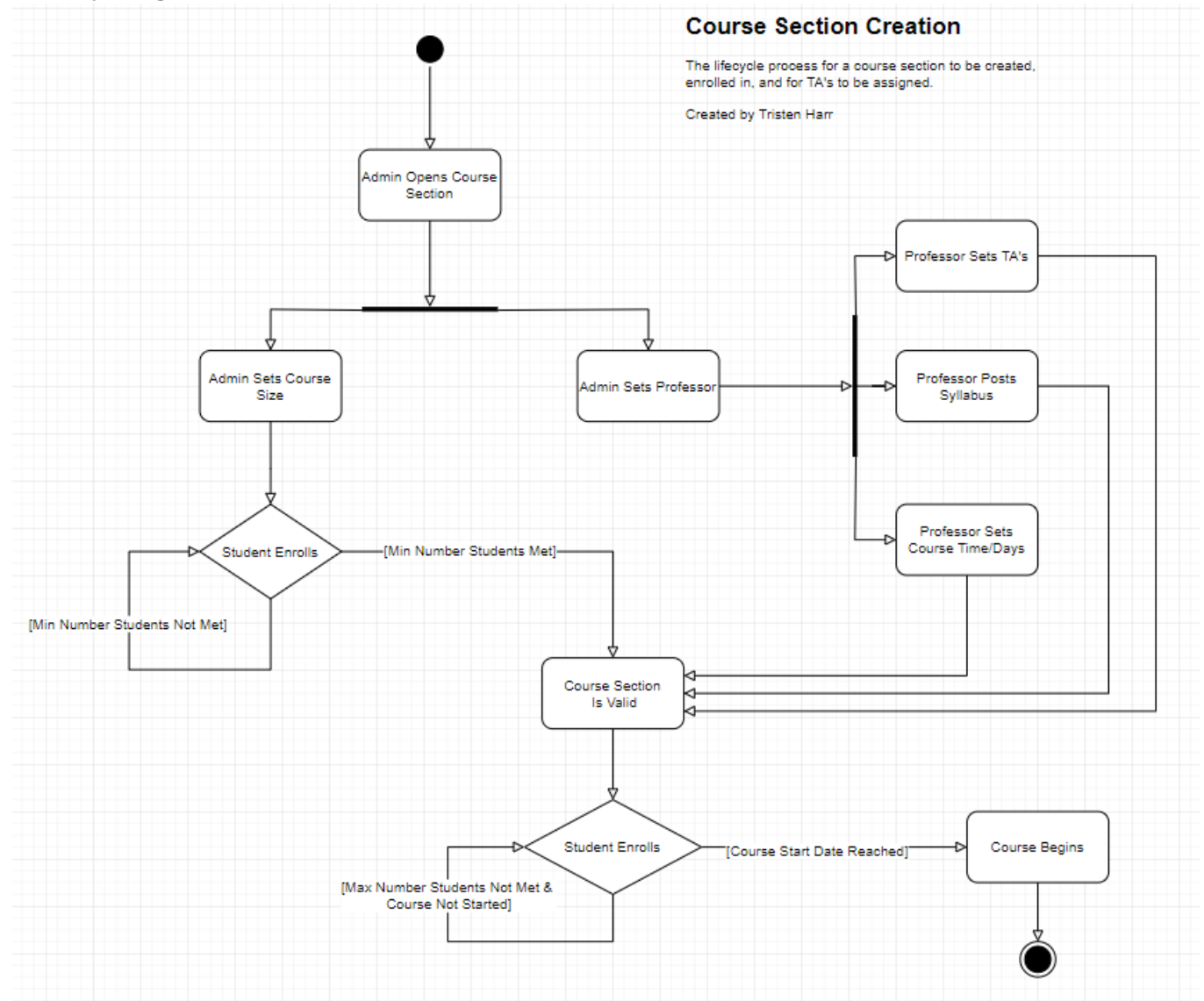
**Activity Diagram 1:****Assignment Submissions**

The lifecycle process for an assignment to be created, viewed, submitted, and graded.

Created by Brock Weekley



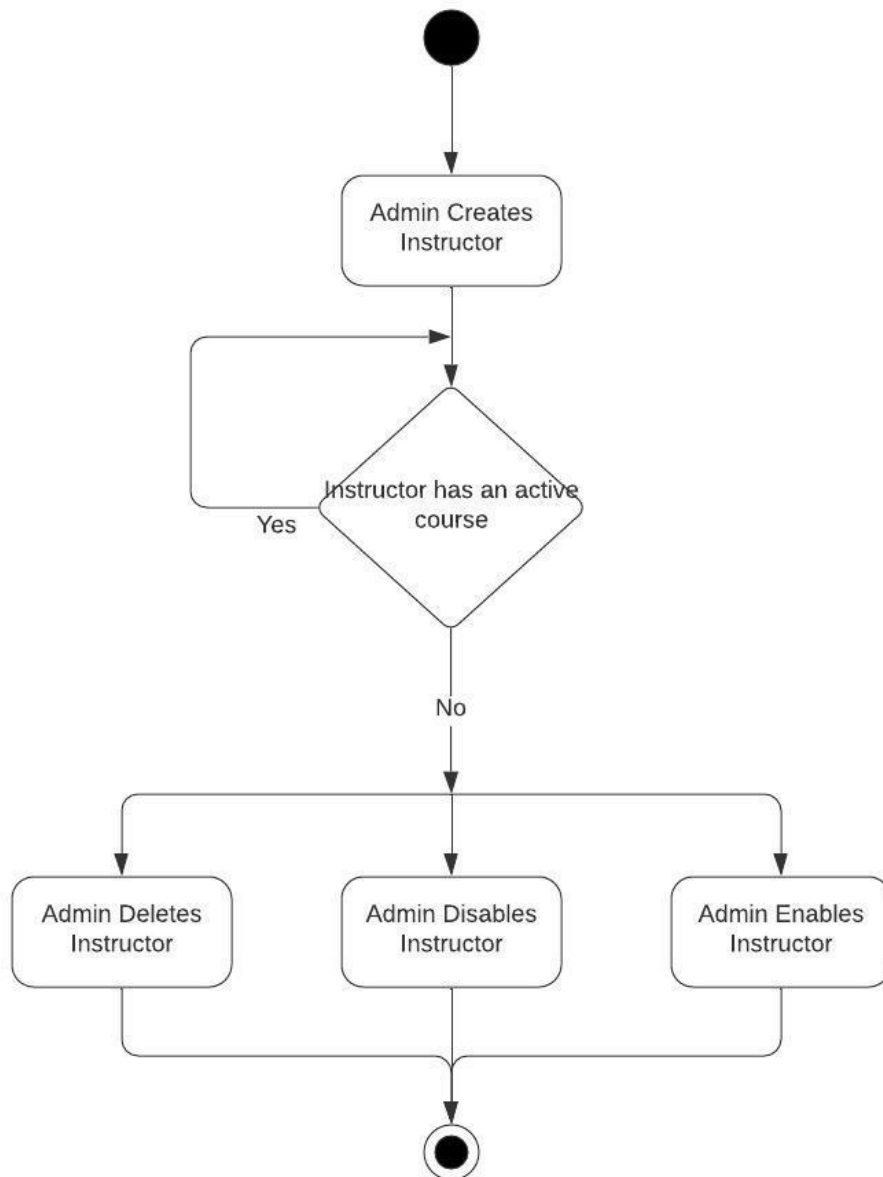
## Activity Diagram 2:



**Activity Diagram 3:****Instructor Modification**

The process of creating and modifying Instructors according to Admins.

Created by Connor Travers

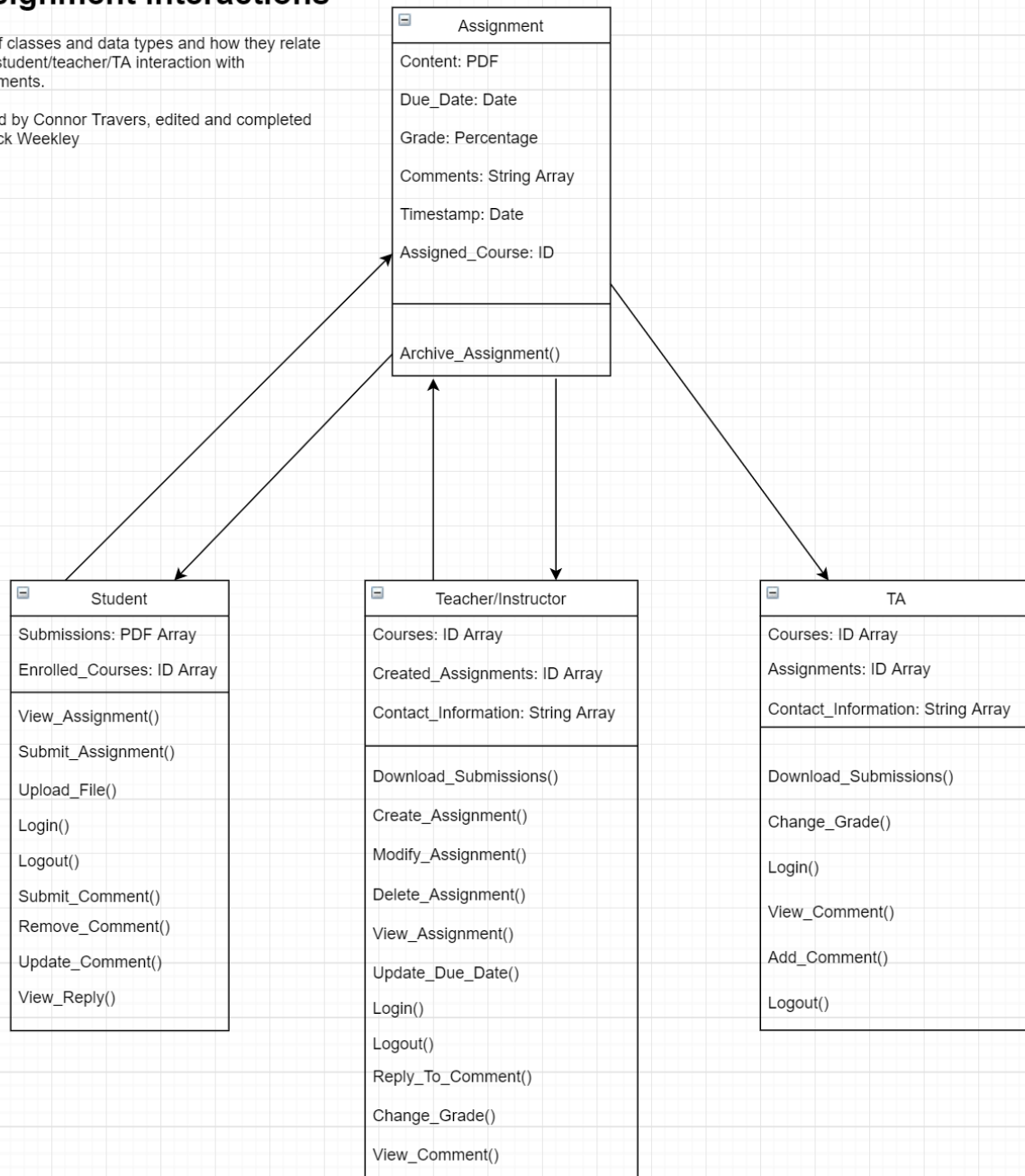


## Class Diagram:

### Assignment Interactions

A list of classes and data types and how they relate to the student/teacher/TA interaction with assignments.

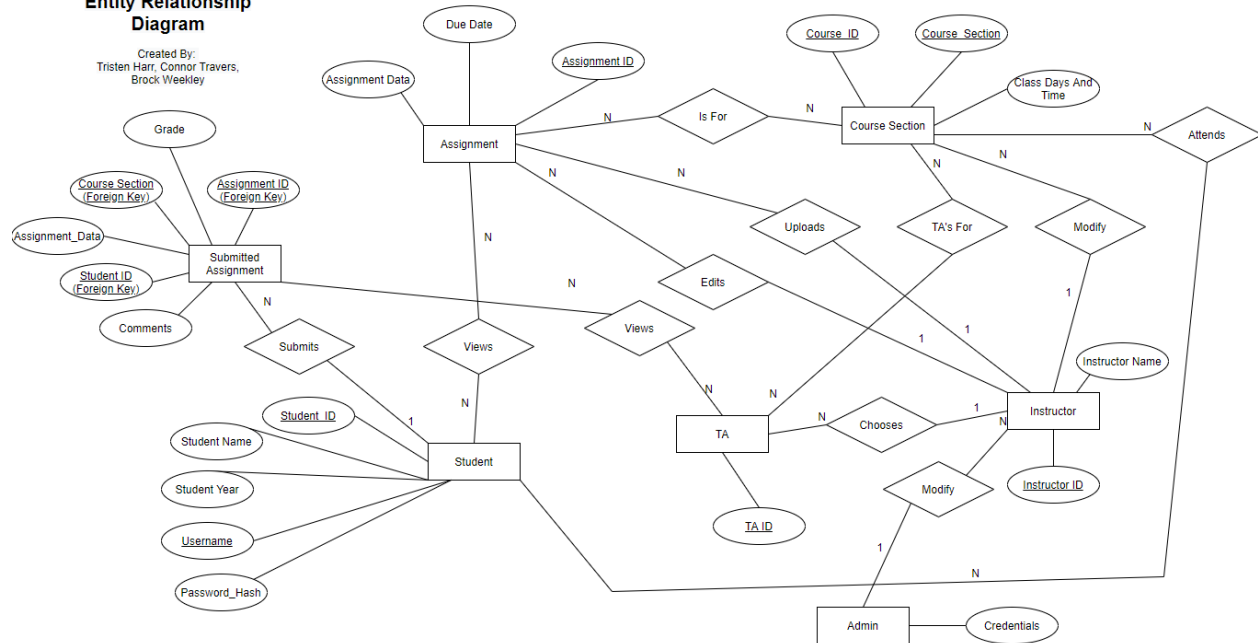
Created by Connor Travers, edited and completed by Brock Weekley



## ERD

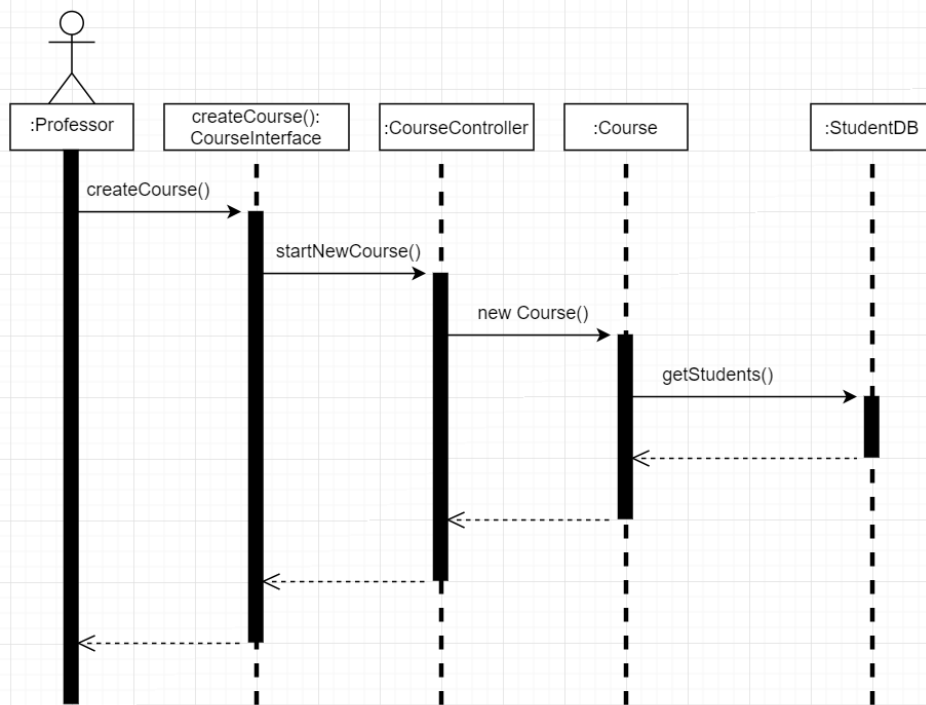
### Entity Relationship Diagram

Created By:  
Tristen Harr, Connor Travers,  
Brock Weekley



### Sequence Diagram:





## Course Creation

Documenting the process of a professor creating a course and assigning it students, as well as the time required for the creation.

Created by Brock Weekley

## State Machine

## Login SM

This State Machine shows the different states involved in the Login() process.

Created by: Tristen Harr

