

Assignment 4 - Design Focus

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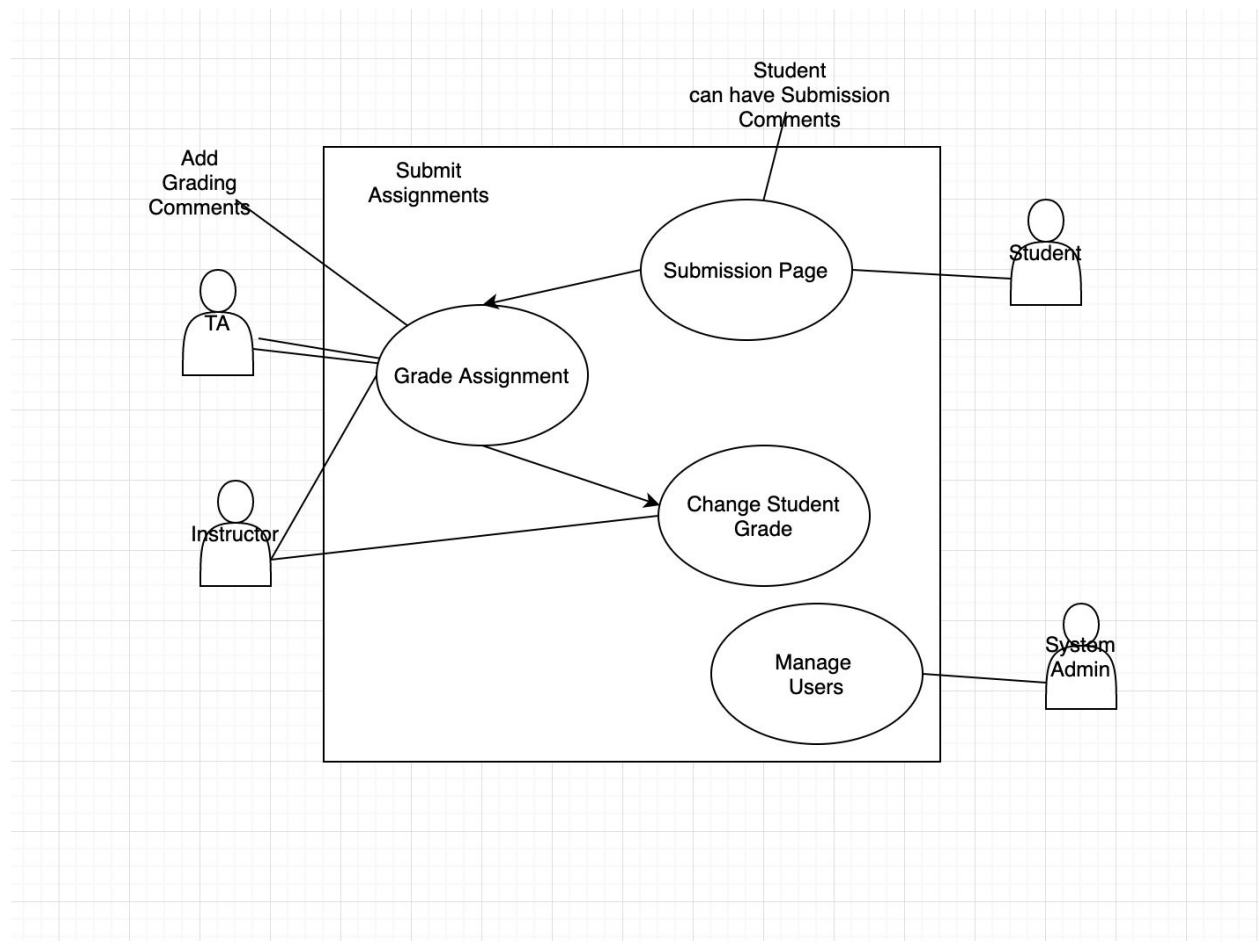
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## Use-Case Diagram

This is a Use Case Diagram that shows the activity of students submitting assignments and them being graded

Construction - Payton

Peer Review - Songxi, Nic



## Use-Case Diagram Description

Description of the Use-Case diagram above

Construction - Payton

Peer Review - Songxi, Nic

Primary Actor: Student

Scope: University

Interests: Students- want to submit assignments, TA & Instructor - want to grade assignments

Precondition: Student has website open

Minimal Guarantee: Good logging details so if it goes wrong the system knows to ask the student what went wrong

Success Guarantee: Database collects the submission and the TA and instructor are able to view and grade it

Main Success Scenario:

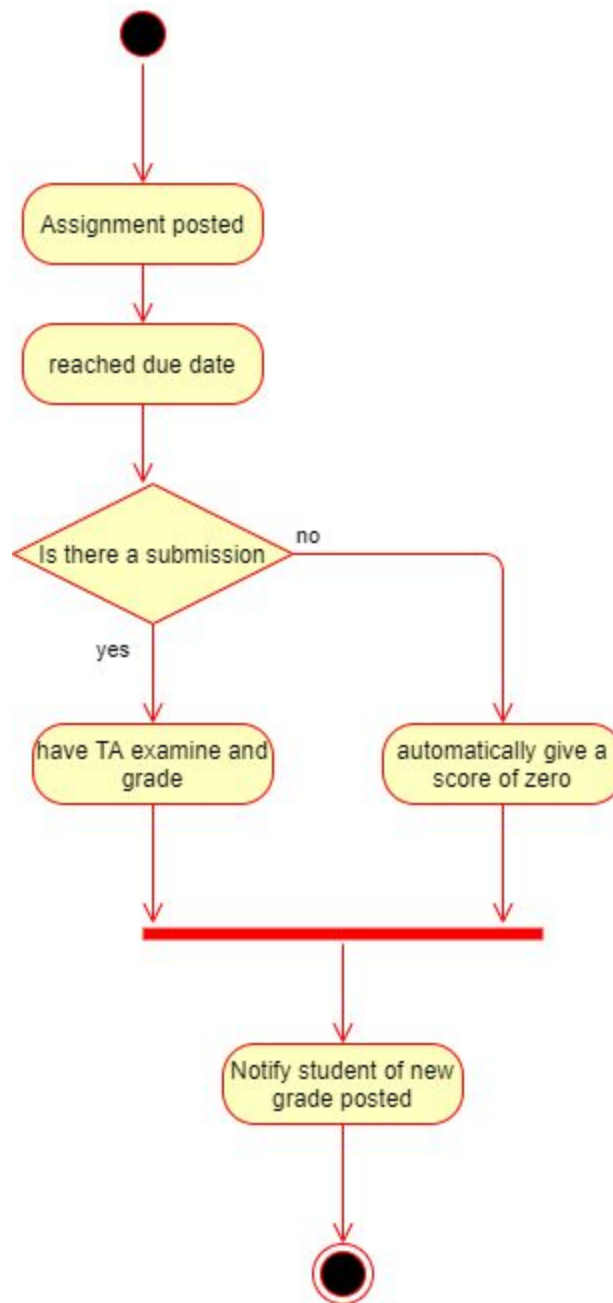
1. Student submits assignment
2. Submission goes to database
3. TA/Instructor pulls submission from database
4. They grade the submission
5. They change the grade in for user
6. User website gets updated with new grade

## Activity Diagrams

### Activity 1. Assignment submission and grade receival

Constructed by Nic,

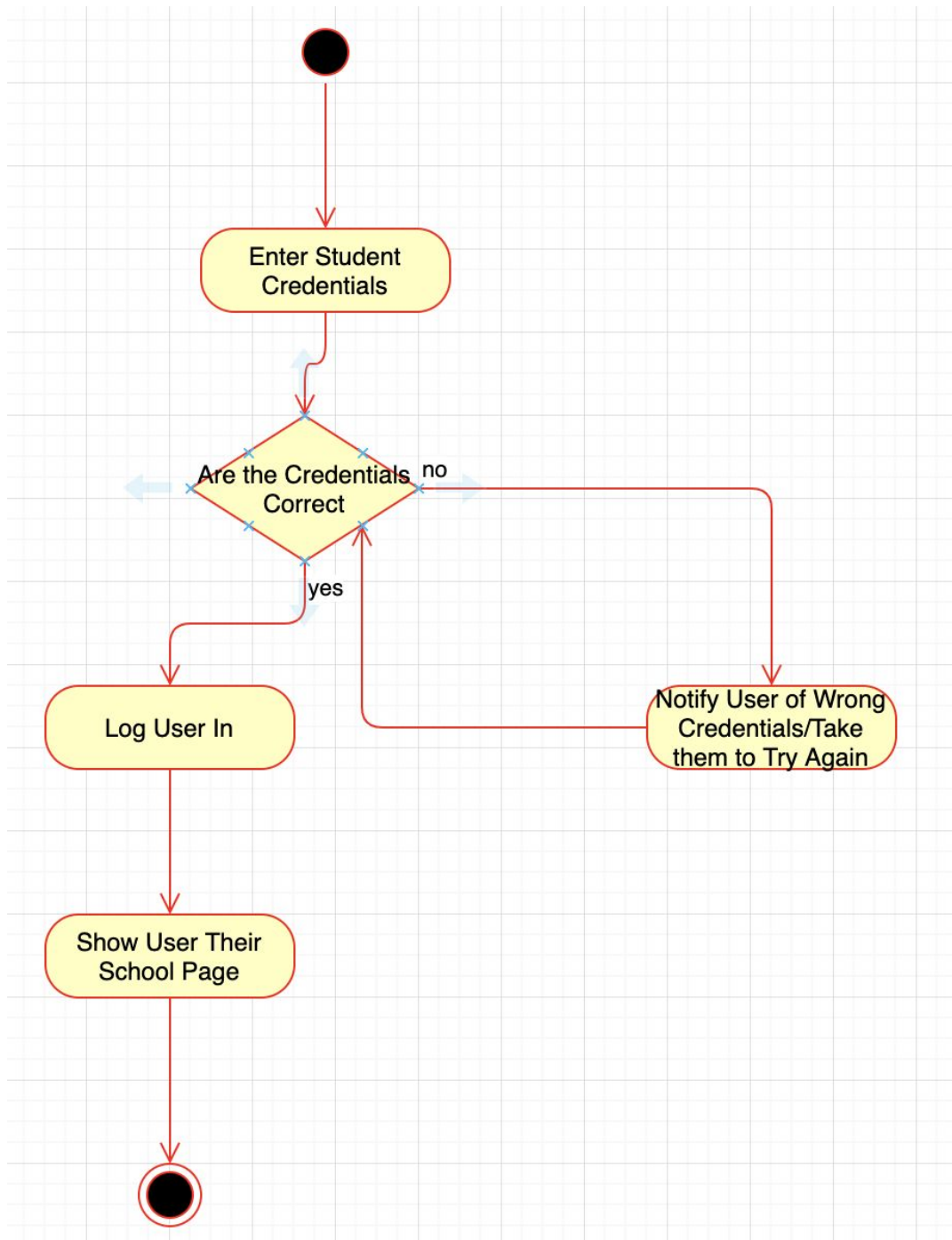
Peer review by Payton and Songxi



## Activity 2 - Student Login/Logout

Constructed by Payton

Peer reviewed by Nic and Songxi

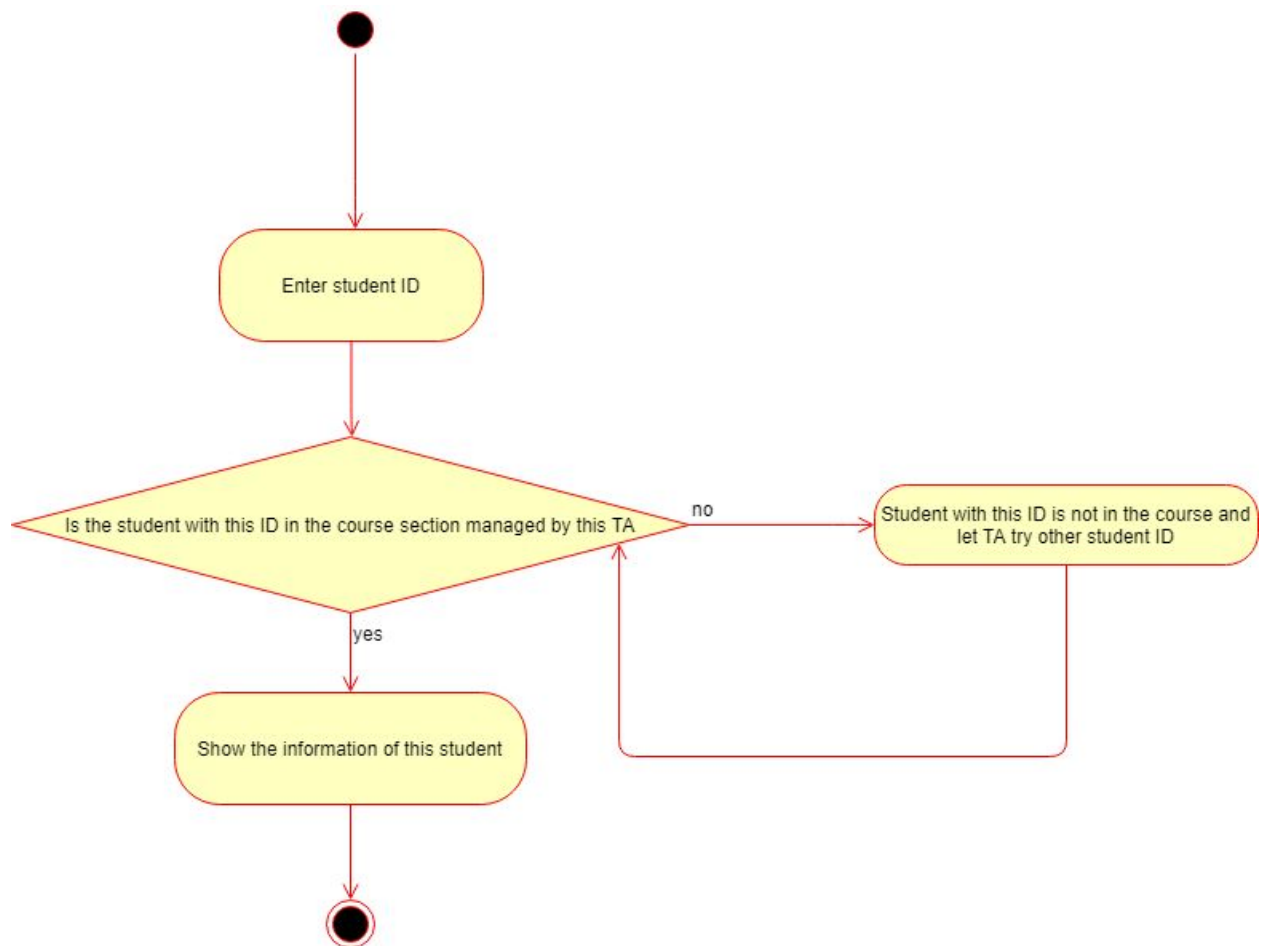


### Activity 3 - TA search students in a course

TAs can search only the students who are in the course sections that they are assigned to manage.

Constructed by Songxi

Peer reviewed by Nic and Payton



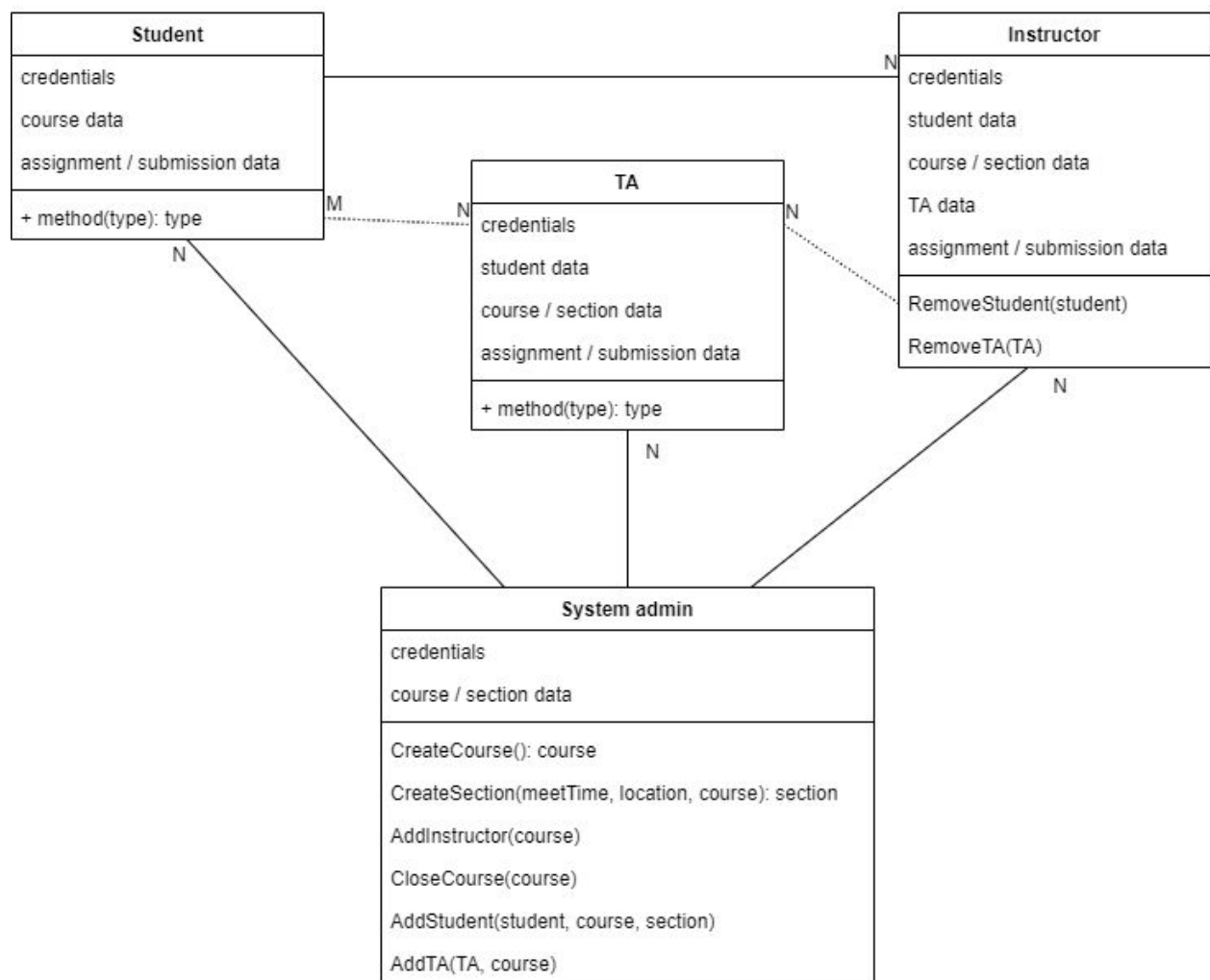
## Class Diagram

### Activity 1 - Populate a course

Constructed by Nic,

Peer review by Payton and Songxi

Class diagram to populate a course

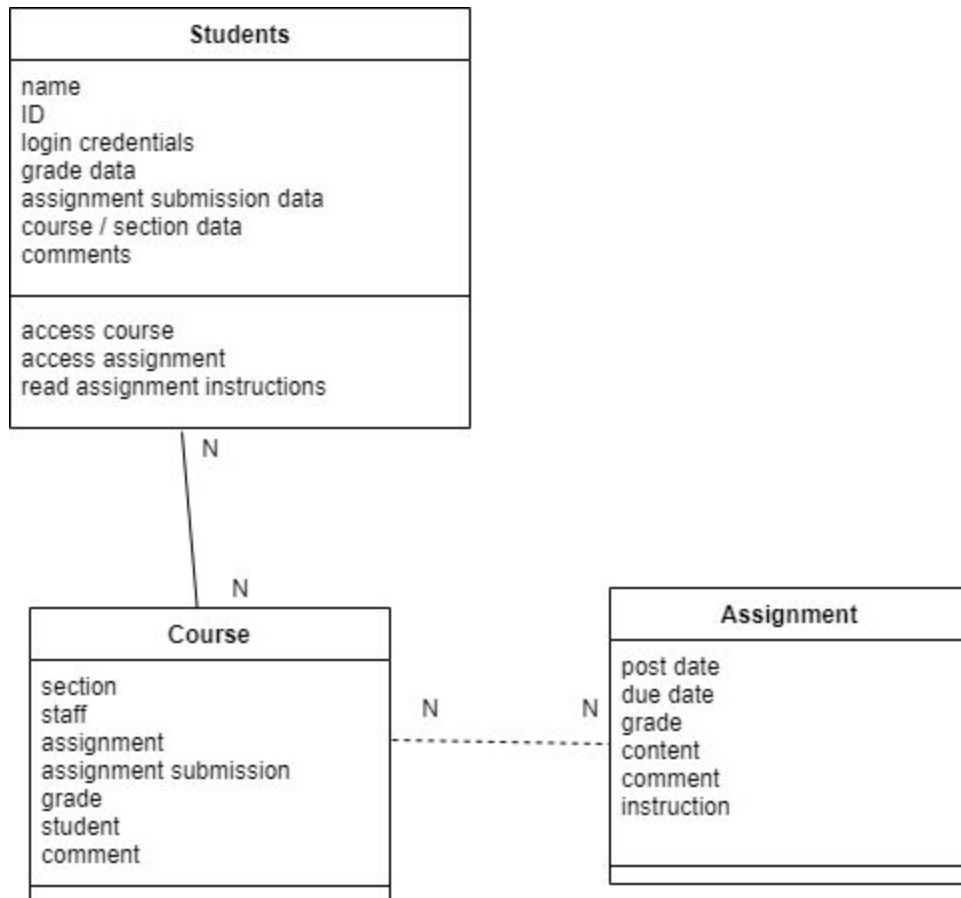


## Activity 2 - Student reads assignment instructions

Students can only access assignments of the courses that they are enrolled in.

Constructed by Songxi

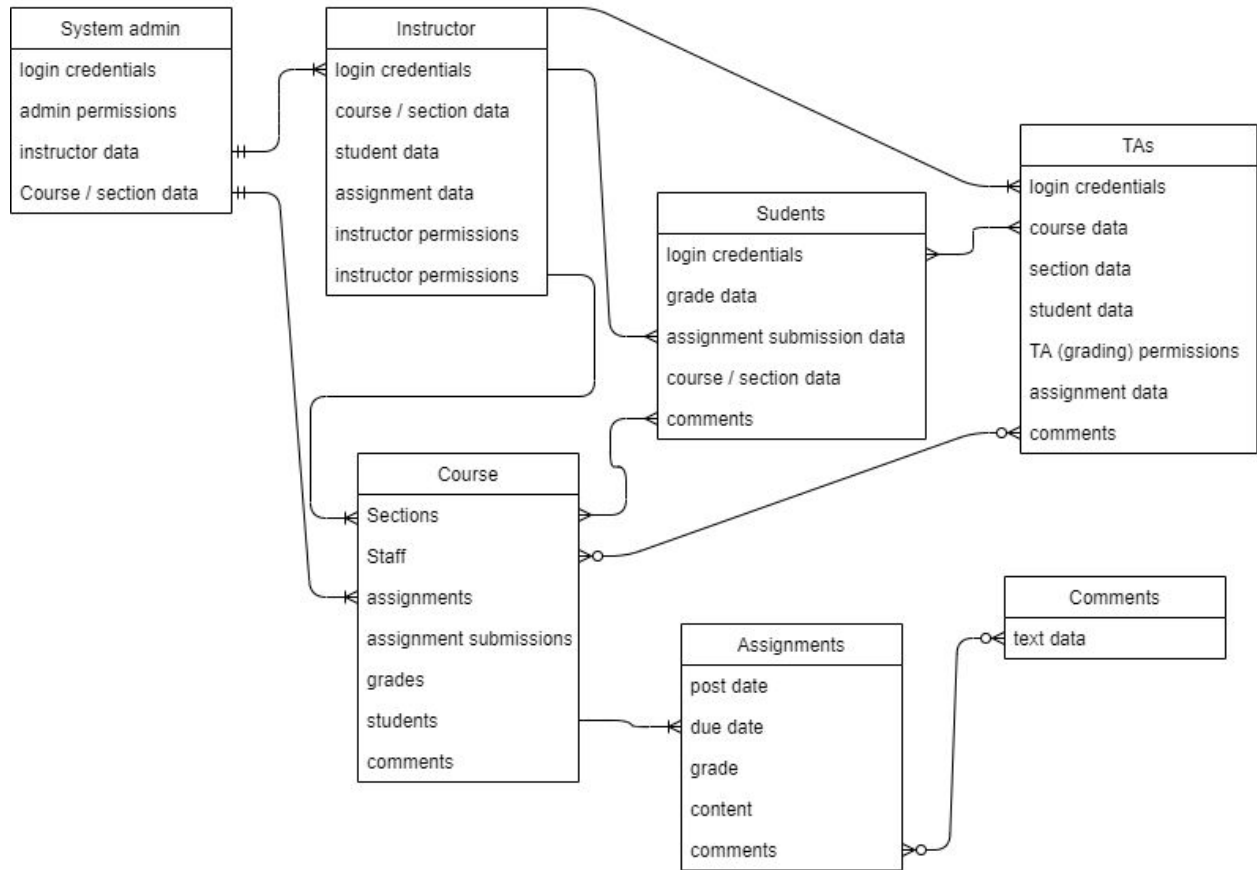
Peer reviewed by Payton and Nic





## System ER diagram

Made by Nic, peer reviewed by Payton and Songxi

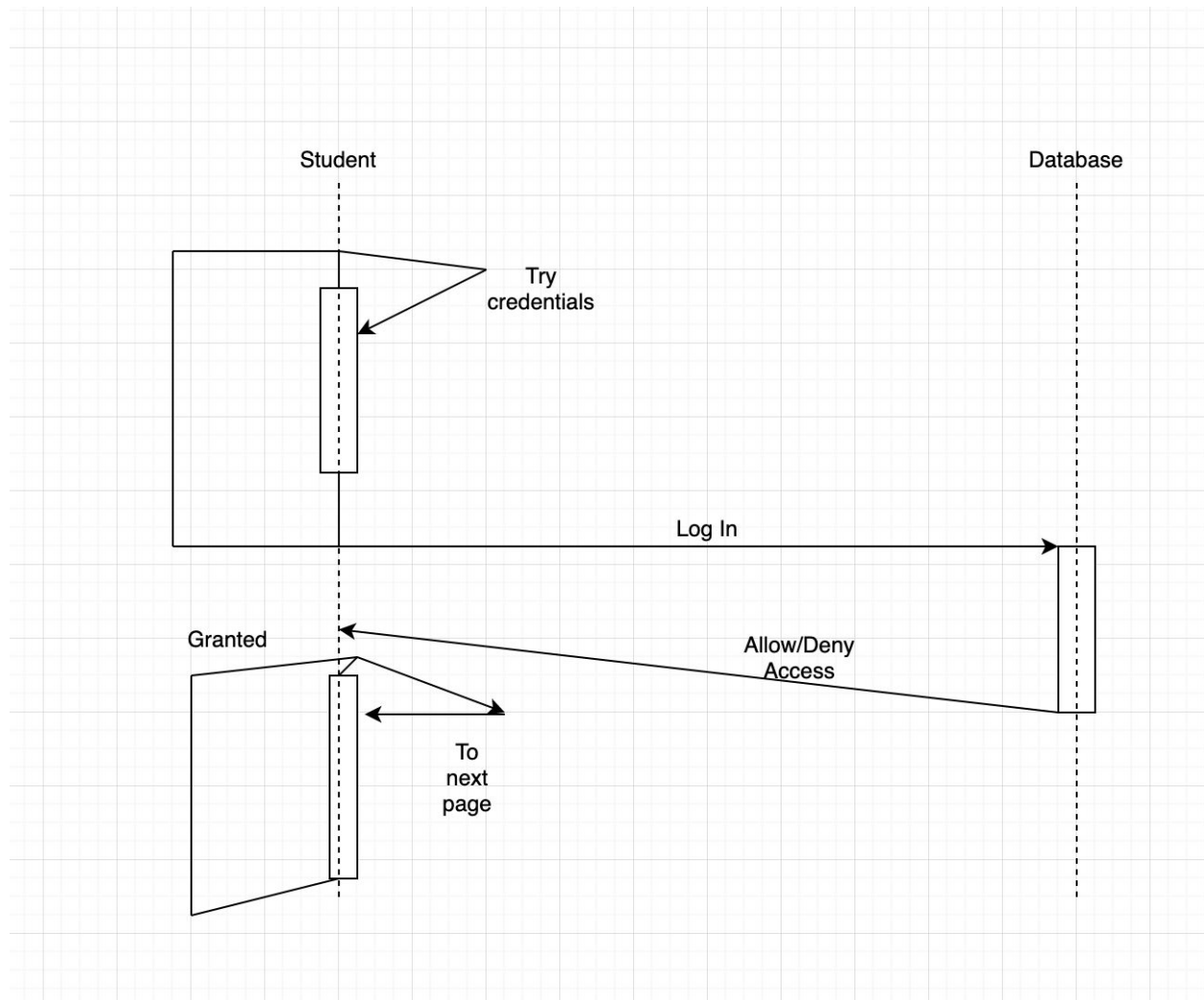


## Sequence Diagram

### Sequence Diagram of A login attempt for student

Construction - Payton

Peer Review - Nic and Songxi



State Machine Diagram

State Machine Diagram of assignment

Construction - Songxi

Peer Review - Nic and Payton

