

# Assignment 4 Design

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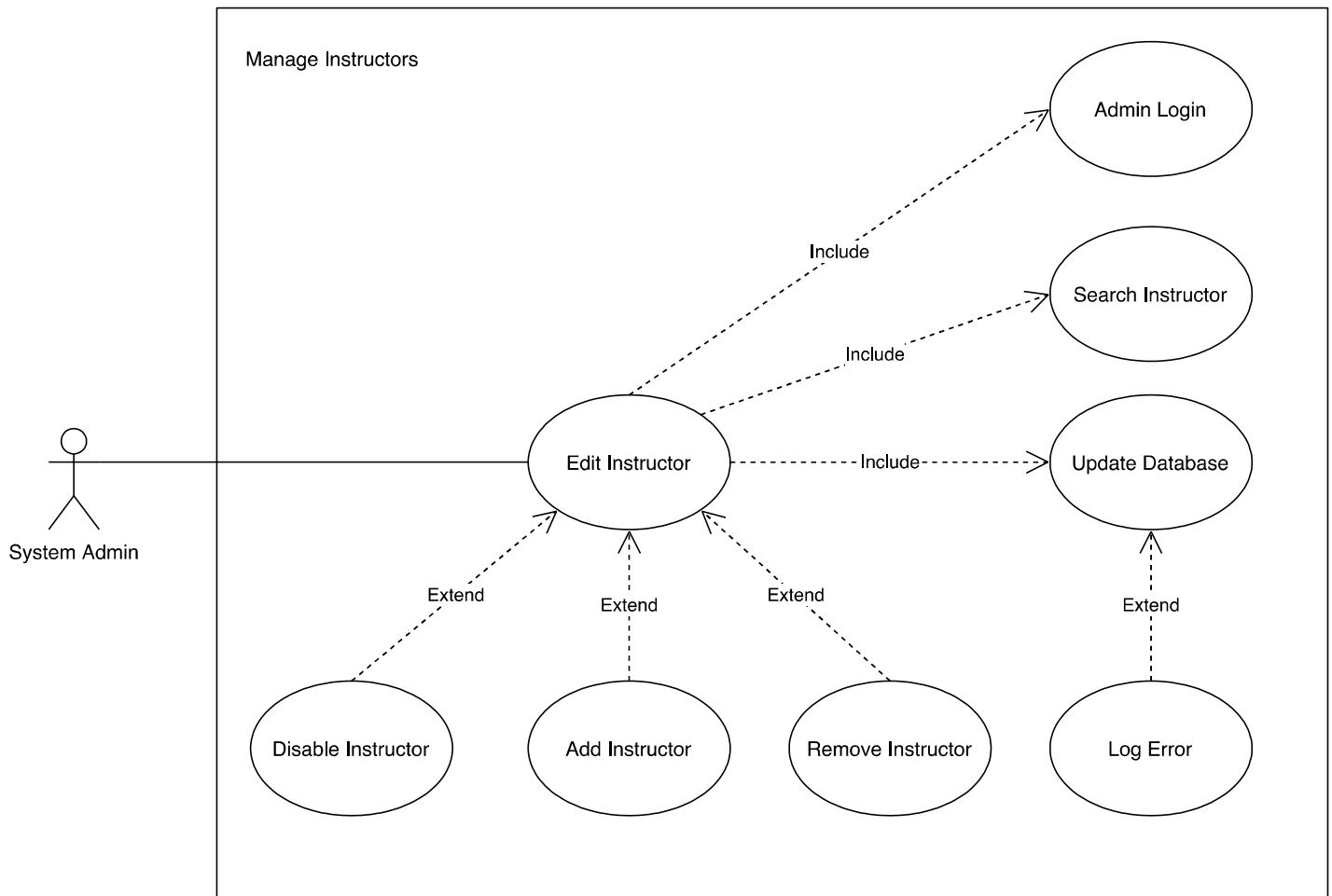
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# Use-Case Diagram

Activity: System Administrator managing Instructors

Construction: Ian, Jingsong

Peer Review: Jonathan



# Use Case Description

Use Case: Manage Instructors

Primary Actor: System Administrator

Scope: System Administration

Level: User Goal

Stakeholders and Interests:

System Administrator – wants to be able to add/remove/edit/and disable instructors in the system

Precondition: The admin information is already in the system.

Minimum Guarantee: Sufficient logging information that the administrator can detect something went wrong.

Success Guarantee: The remote server has acknowledged the changes made by the administrator and update the database accordingly.

Main Success Scenario:

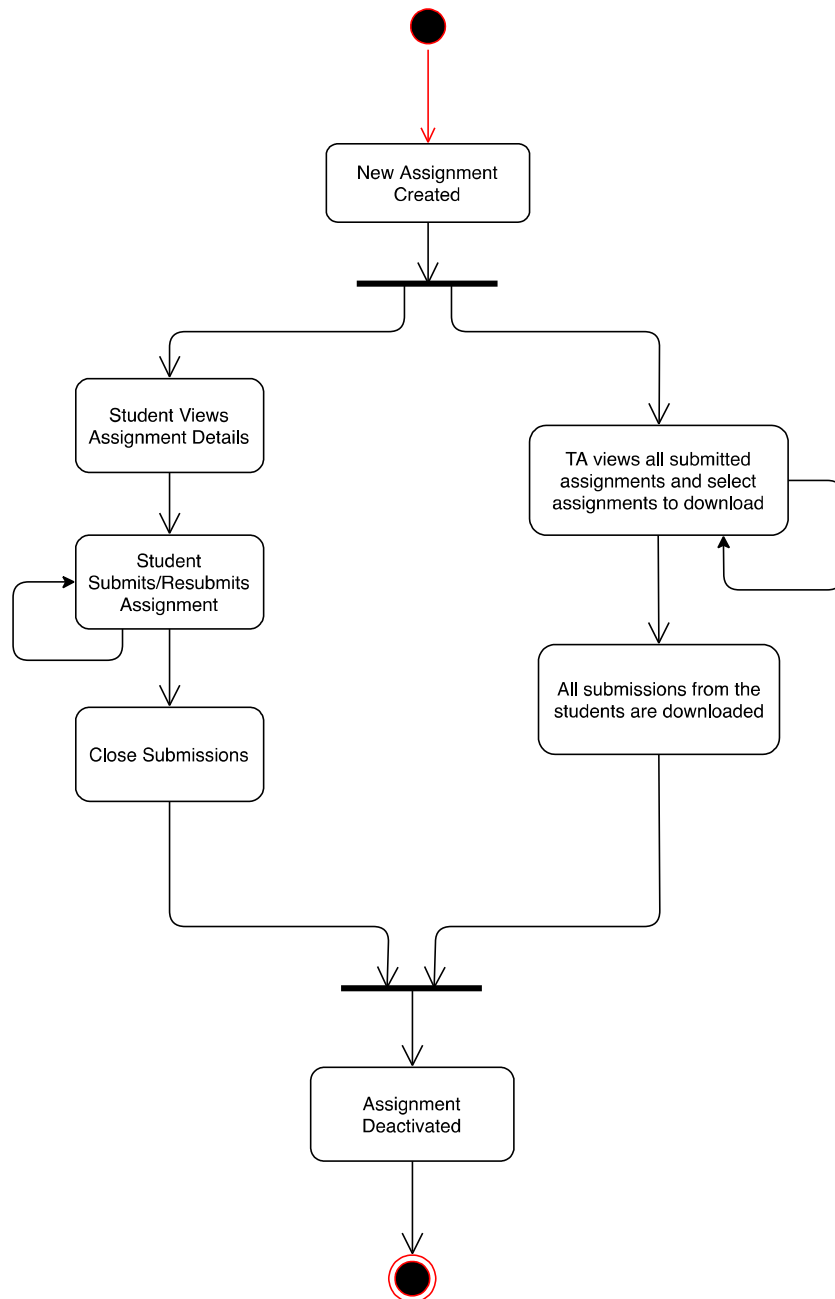
1. The server checks the login credentials and let the administrator log into the system.
2. The server sends out a list of instructors in the system and displays the information to the administrator.
3. The administrator makes changes to the instructors in the system.
4. The server accepts the changing action and updates the database accordingly.
5. The server sends out a new list of instructors' information in the system and displays to the administrator.

Extensions:

- 3a. The administrator adds a new instructor.
  - 3a1. The system asks for information of the new instructor.
  - 3a2. Continue to step 4.
- 3b. The administrator selects a existing instructor to remove.
  - 3b1. Continue to step 4.
- 3c. The administrator selects a existing instructor to disable.
  - 3c1. Continue to step 4.
- 4a. The user's change is invalid and not accepted by the server.
  - 4a1. The system logs the error onto the server.
  - 4a2. Return to step 2.

# Activity Diagram 1

Activity: Assignment Collection  
Construction: Jingsong, Jonathan  
Peer Review: Ian

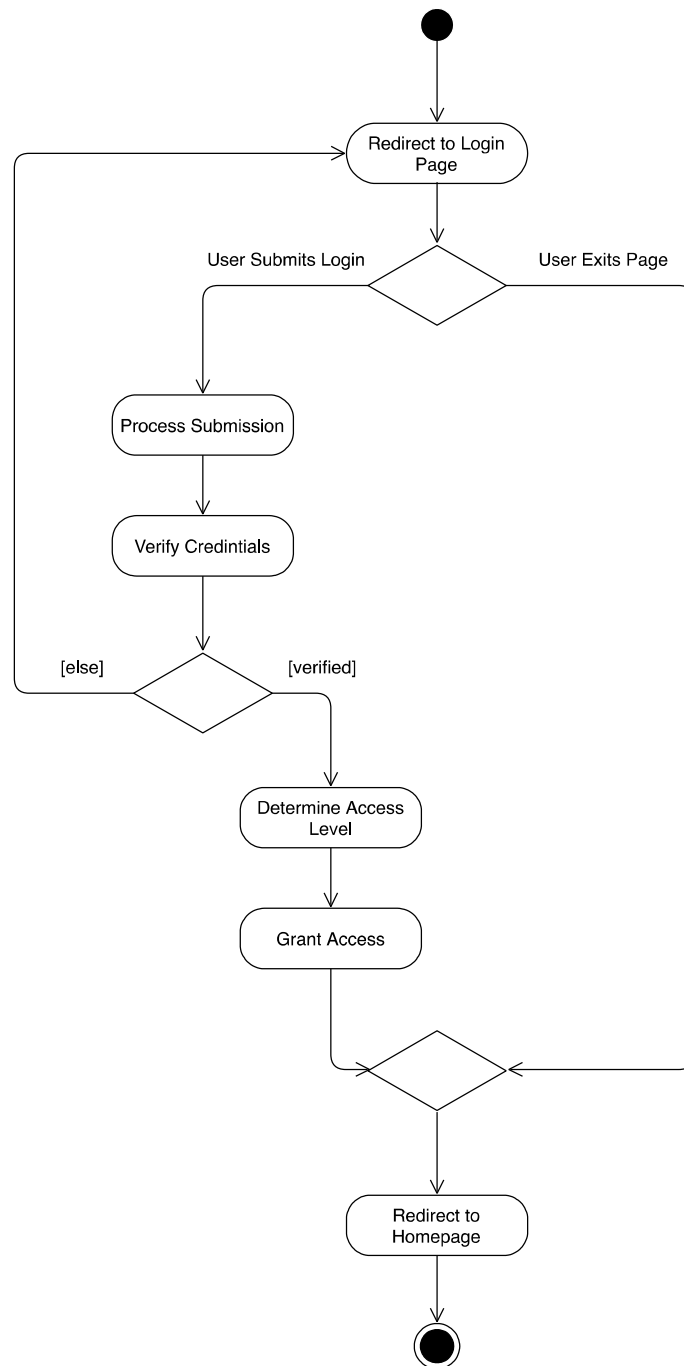


# Activity Diagram 2

Activity: Login

Construction: Ian

Peer Review: Jingsong, Jonathan

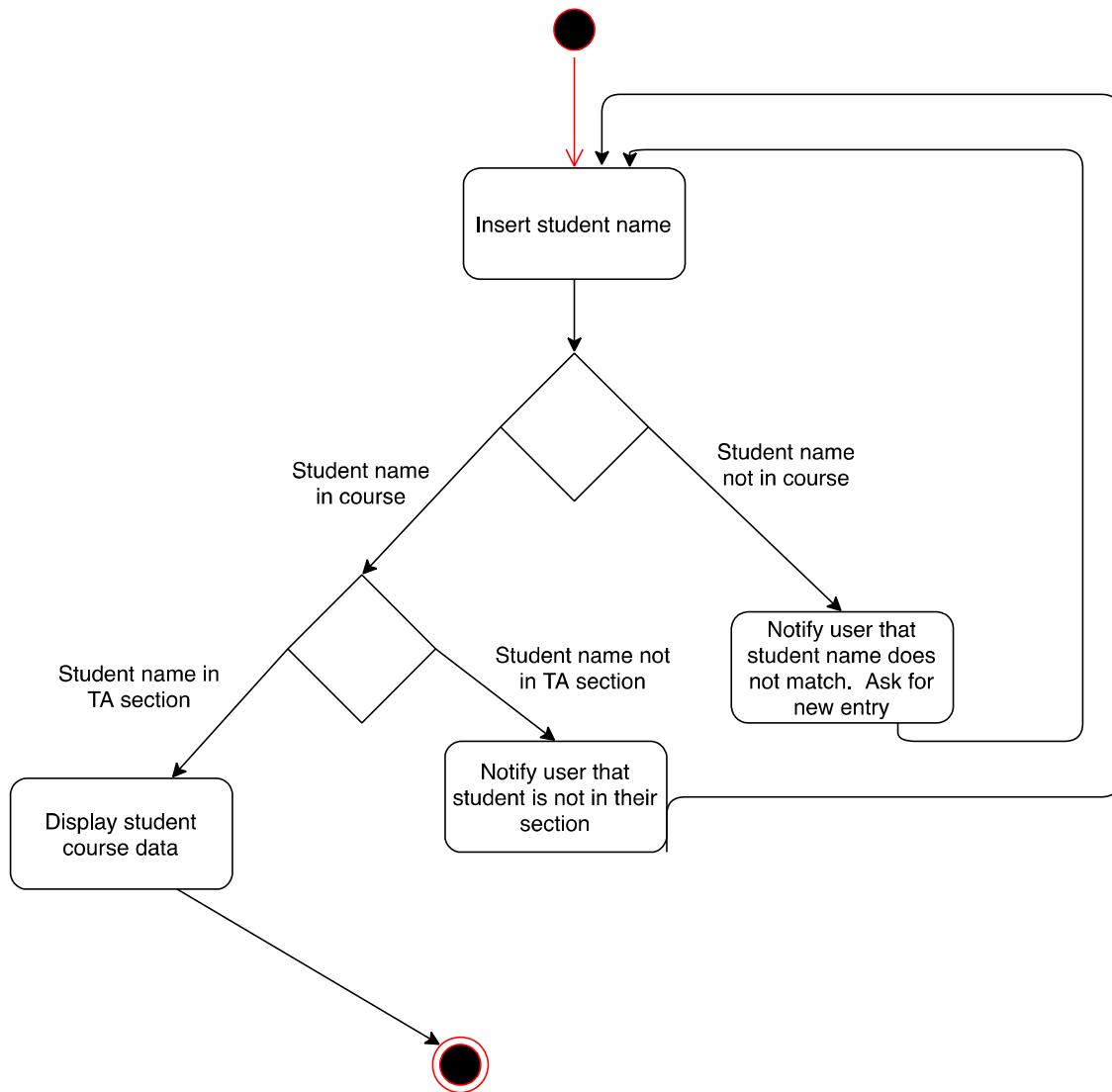


# Activity Diagram 3

Activity: TA Search Student by Name

Construction: Jonathan

Peer Review: Ian, Jingsong

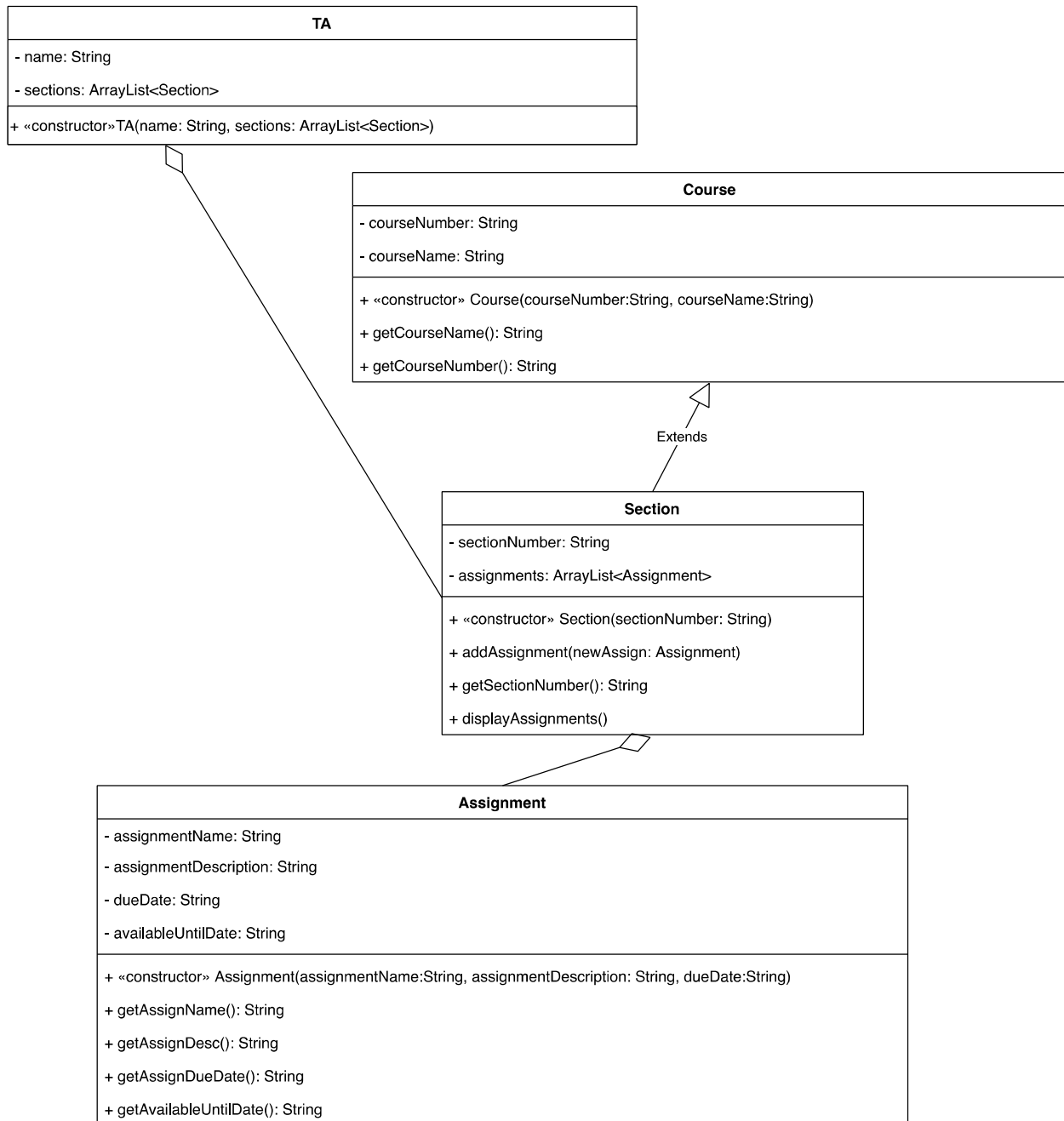


# Class Diagram

Activity: TA view Assignments

Construction: Jonathan, Ian

Peer Review: Jingsong

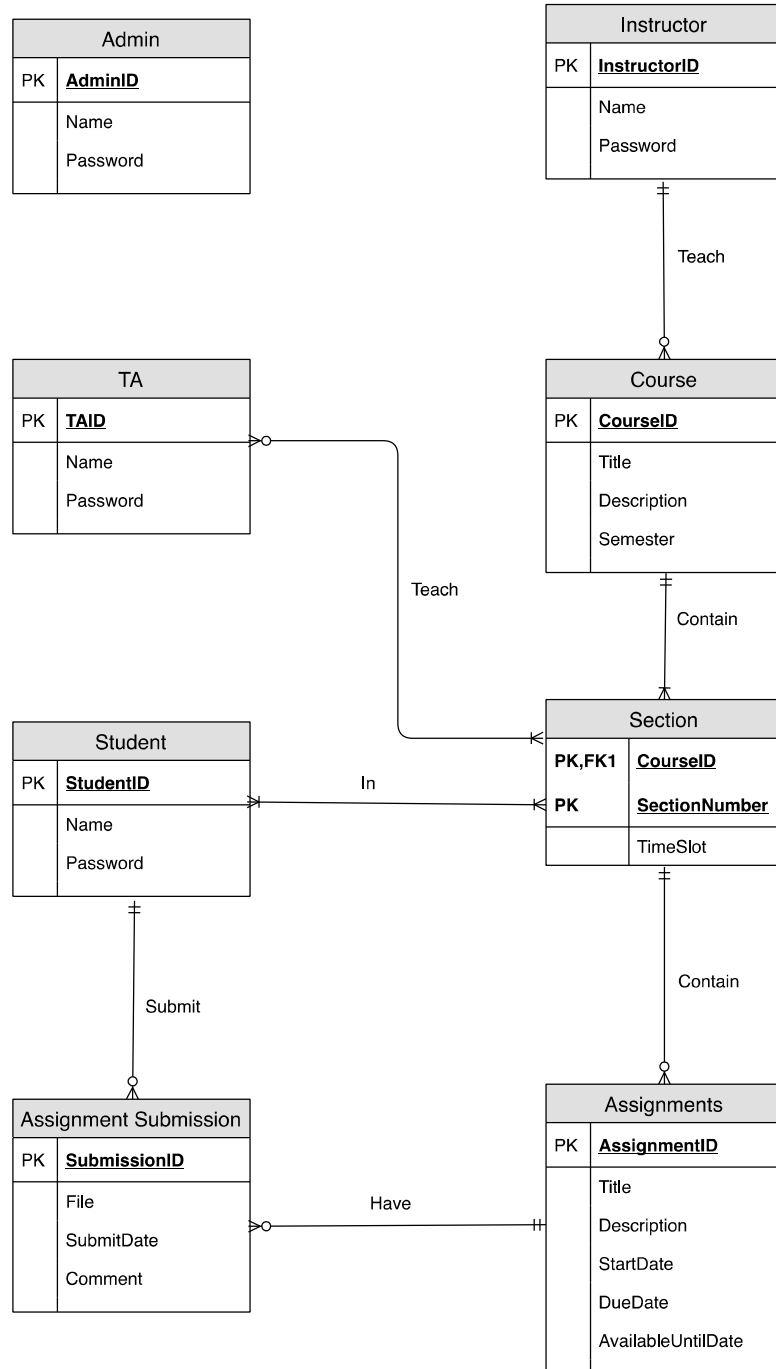




# ER Diagram

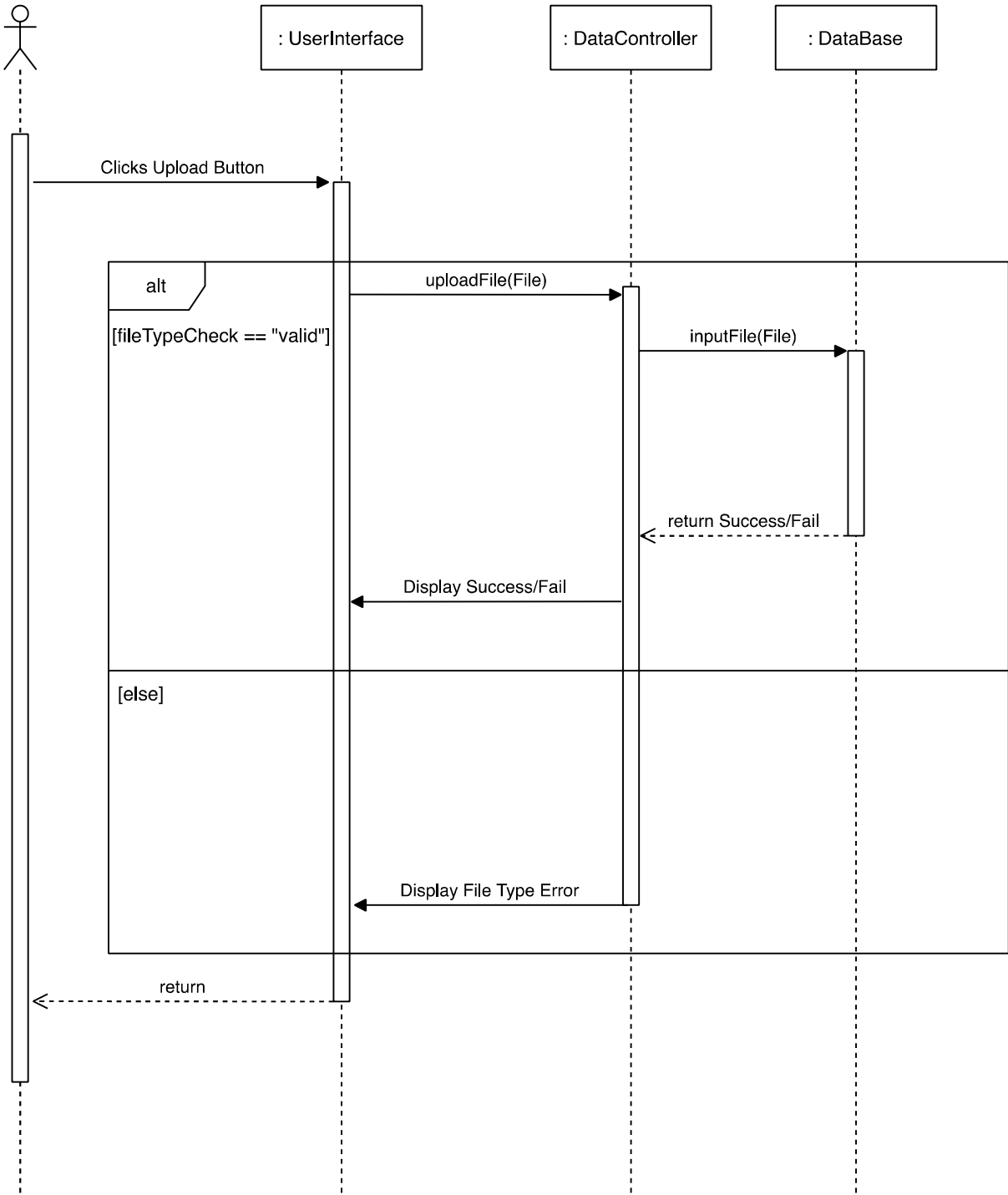
Activity: The Whole System

Construction: Jingsong, Ian, Jonathan



# Sequence Diagram

Activity: Student Upload File  
Construction: Ian



# State Diagram

Activity: Submit Assignments

Construction: Jingsong, Ian, Jonathan

