

Architecture Design Focus

Group 8:

Bryan Prichard

Callum Ferguson

Joshua Hickman

Table of Contents

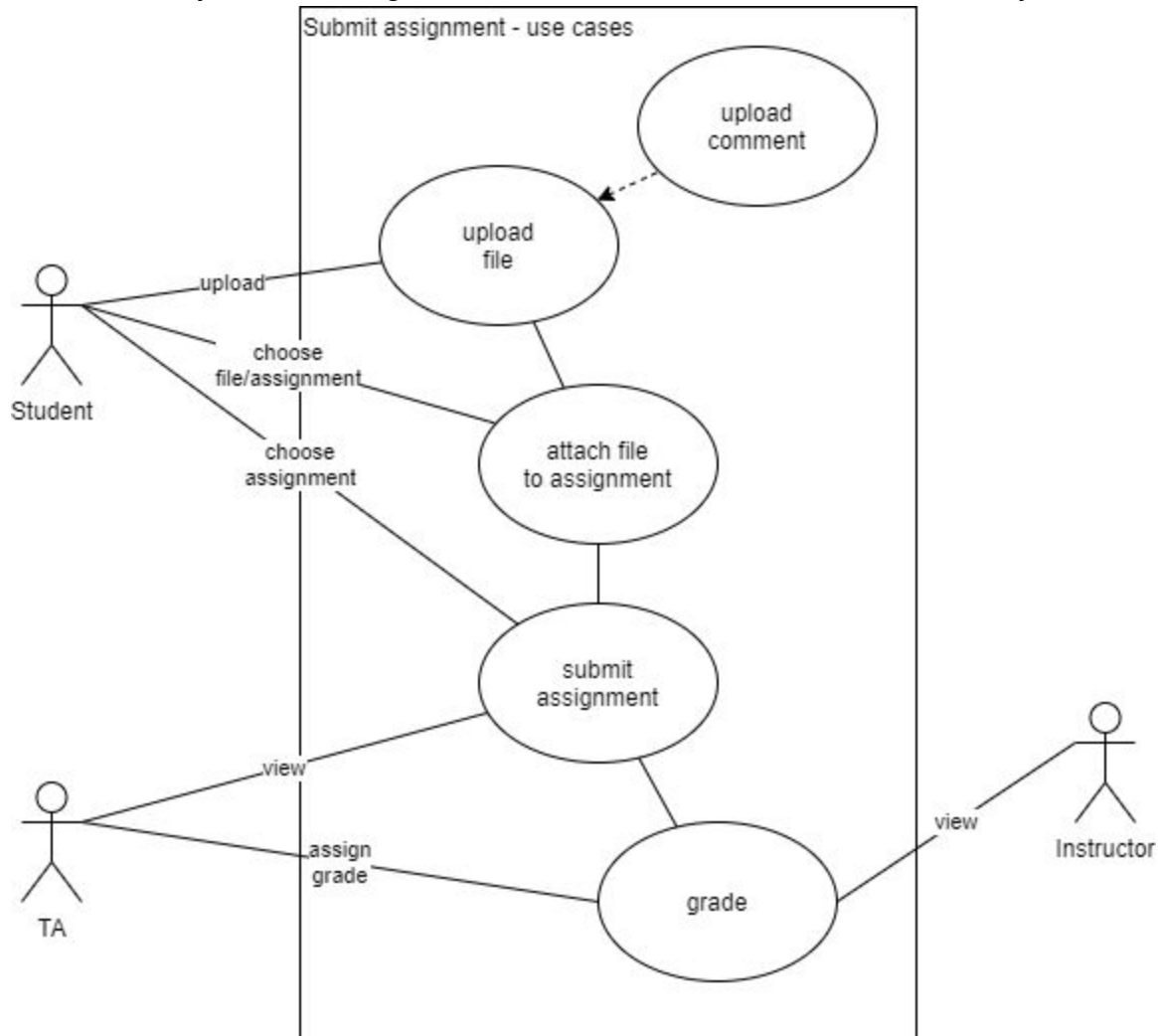
Page:

1. Table of Contents
2. Use Case Diagram: “*Submit Assignment*”
3. Activity Diagram 1: “*Read Assignment*”
4. Activity Diagram 2: “*Comment*”
5. Activity Diagram 3: “*Upload File*”
6. Class Diagram for Activity: “*Submit an Assignment*”
7. Entity Relationship Diagram
8. Sequence Diagram: “*Login/Logout*”
9. State Machine Diagram

Use Case Diagram: “Submit Assignment”

“Use case diagram for a student submitting an assignment”

Created by: Callum Ferguson - Peer Reviewed: Joshua Hickman, Bryan Prichard



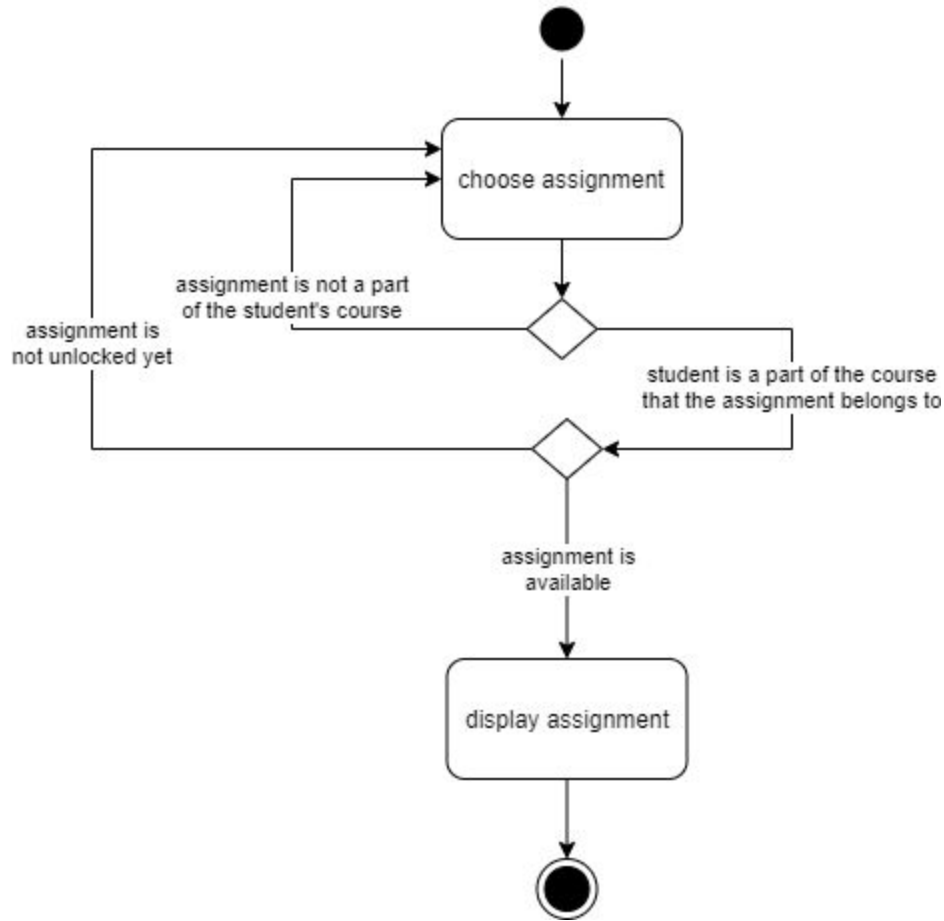
Use Case: Submit Assignment

- Description
 - A student uses the website to submit an assignment so a TA can grade it
- Actor
 - Primary: Student
 - Others: TA, Instructor
- Pre-conditions
 - The student is already logged into their account
- Flow of events
 - upload file
 - attach file to assignment
 - submit assignment
 - grade

Activity Diagram 1: “Read Assignment”

“An activity diagram detailing the process of reading a valid assignment’s parameters”

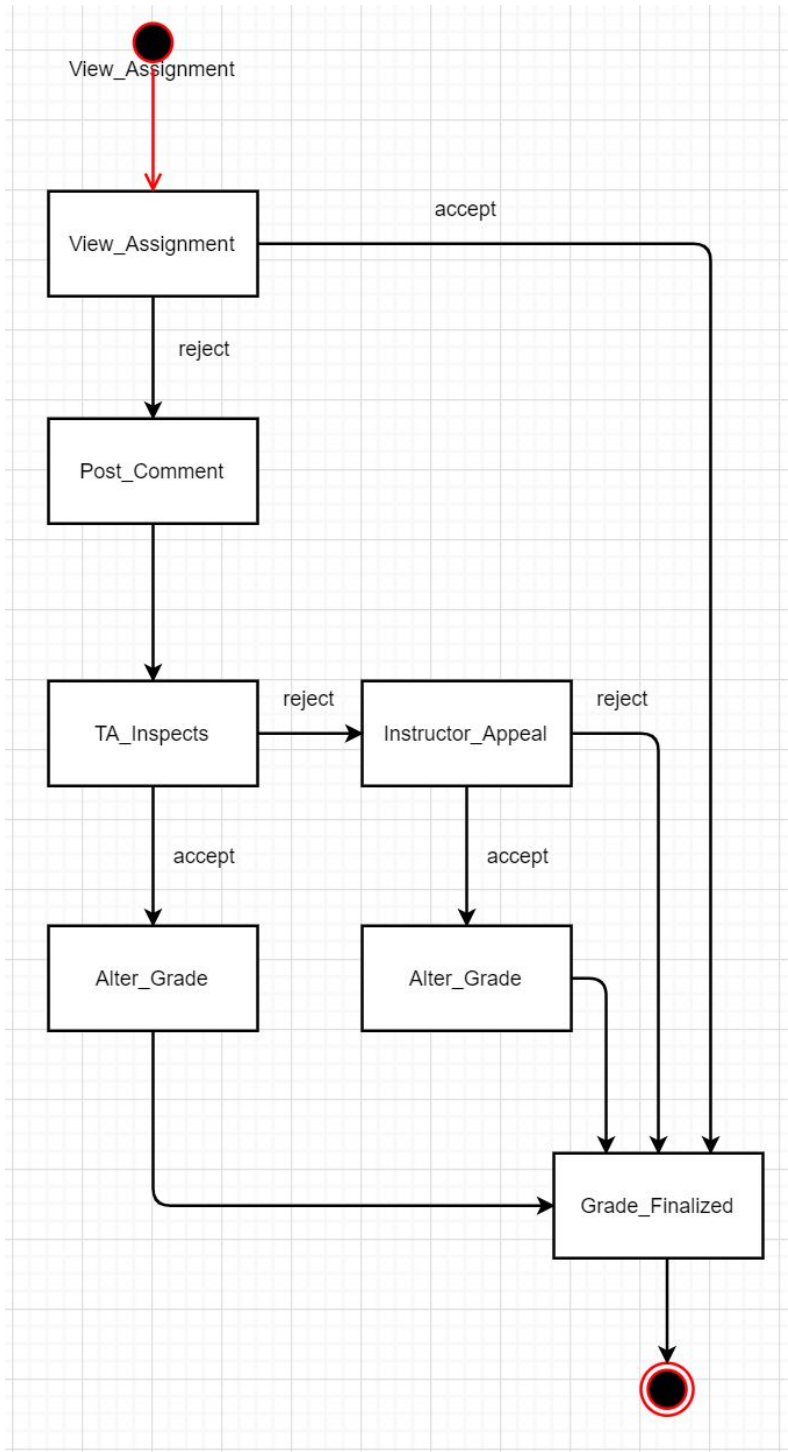
“Callum Ferguson and peer edited by Joshua Hickman and Bryan Prichard”



Activity Diagram 2: “Comment”

“Activity diagram showing the comment process in a grade dispute”

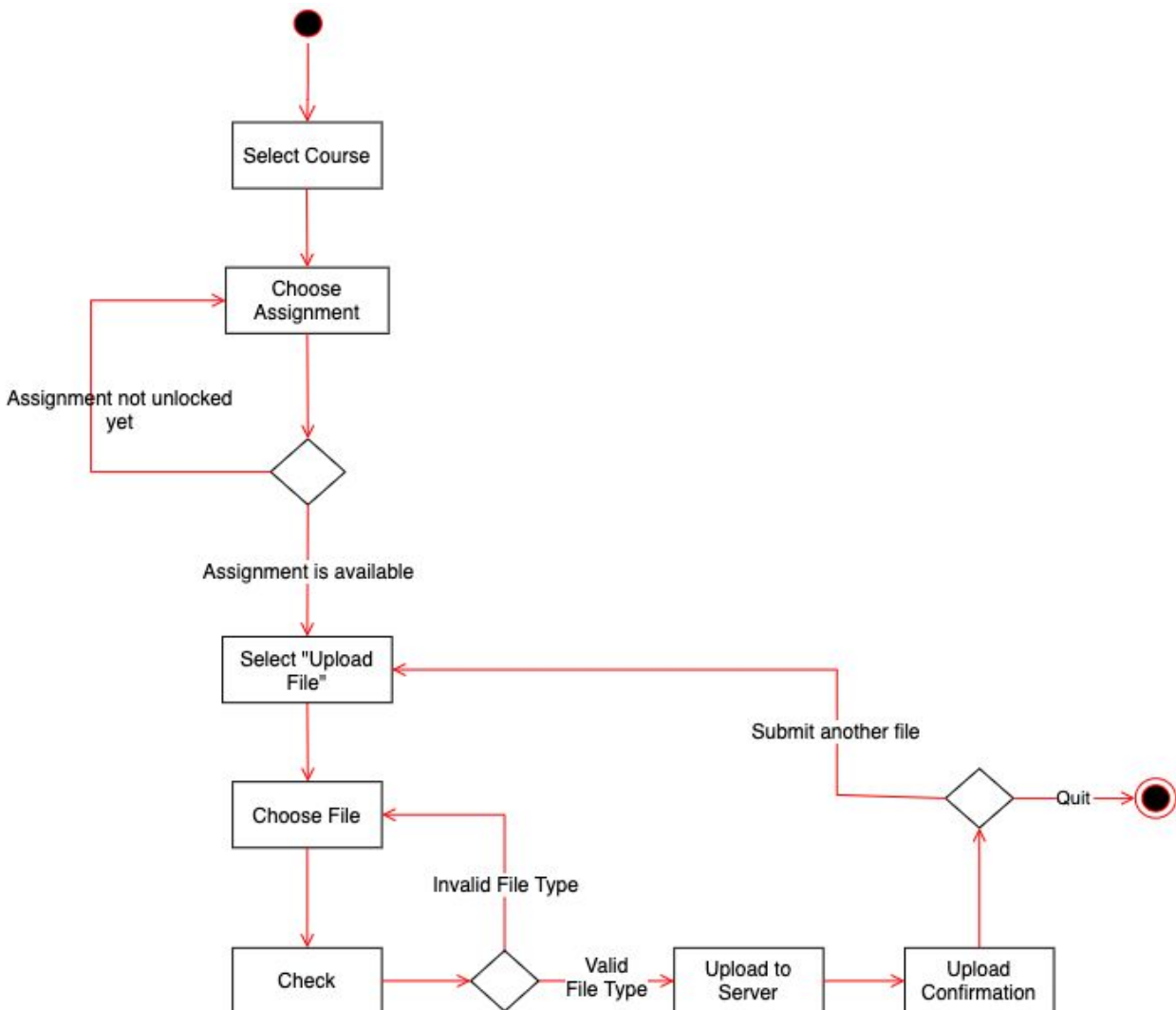
Created By: Bryan Prichard and peer reviewed by Joshua Hickman, Callum Ferguson



Activity Diagram 3: “Upload File”

“Activity Diagram showing the process of uploading a file”

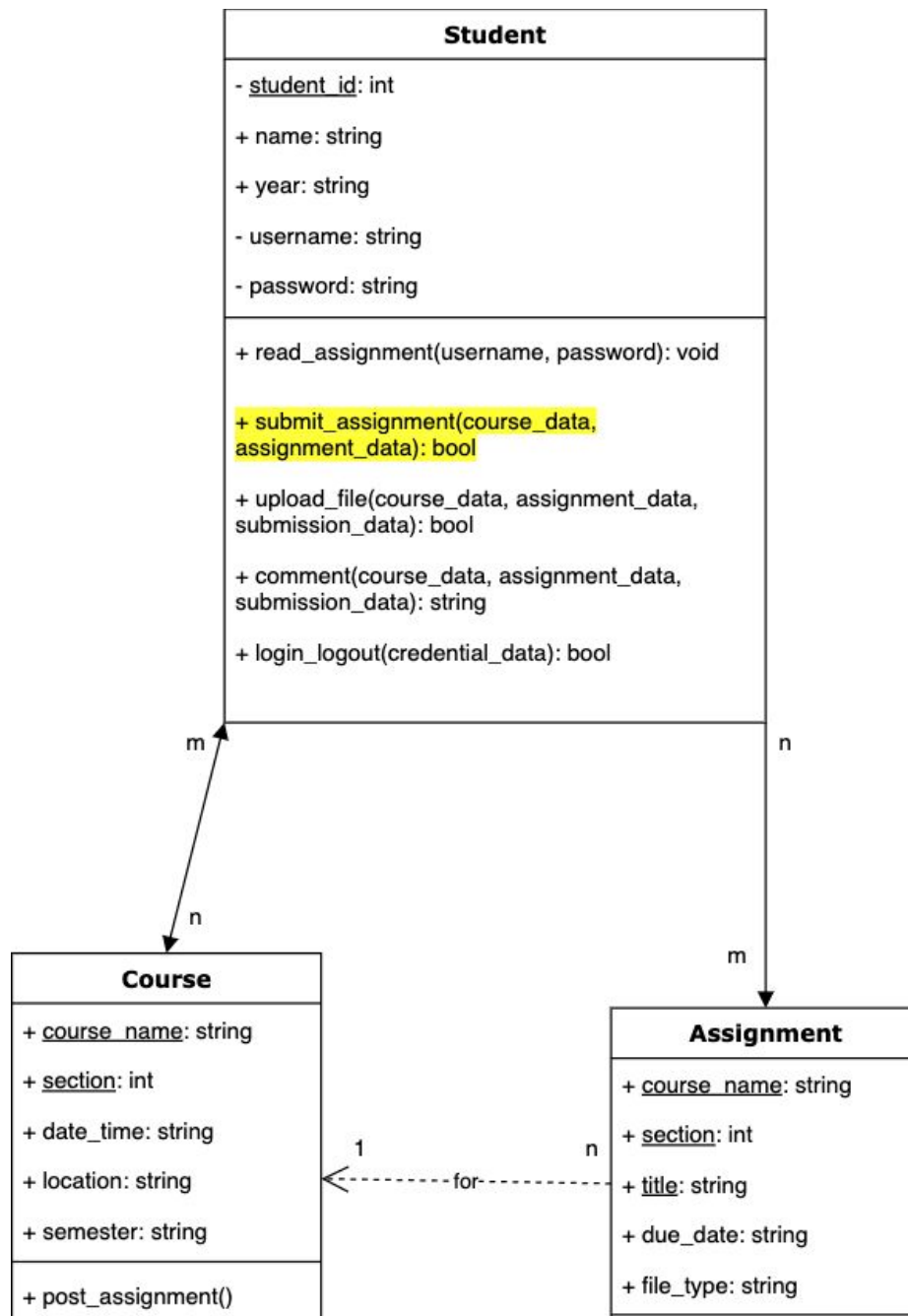
Created by: Joshua Hickman - Peer Reviewed by: Bryan Prichard, Callum Ferguson



Class Diagram for Activity: “Submit an Assignment”

“This is the Class Diagram covering the classes used for submitting an assignment to the system”

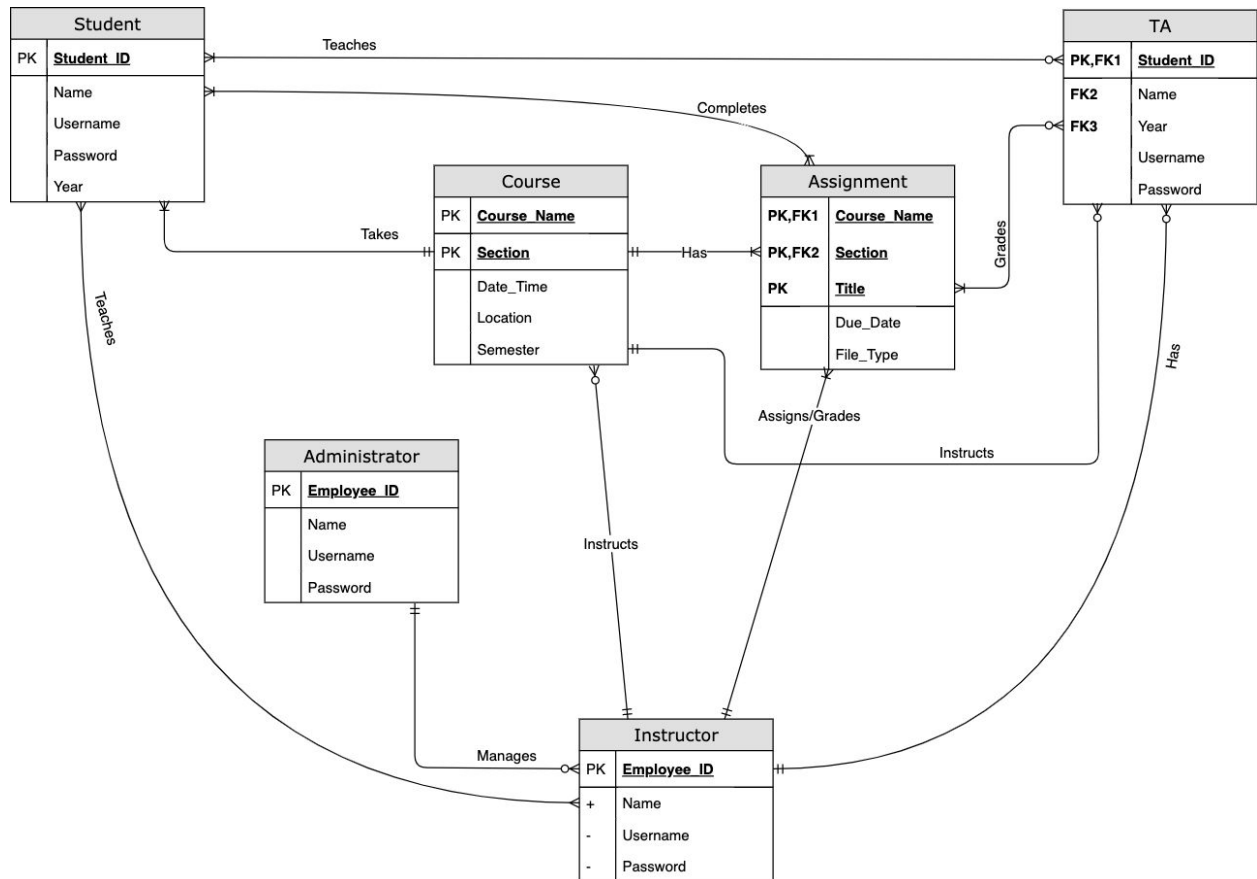
Created by: Josh Hickman, Peer reviewed by: Bryan Prichard, Callum Ferguson



Entity Relationship Diagram

Caption: “This diagram models the entity relationship for an assignment submission system”

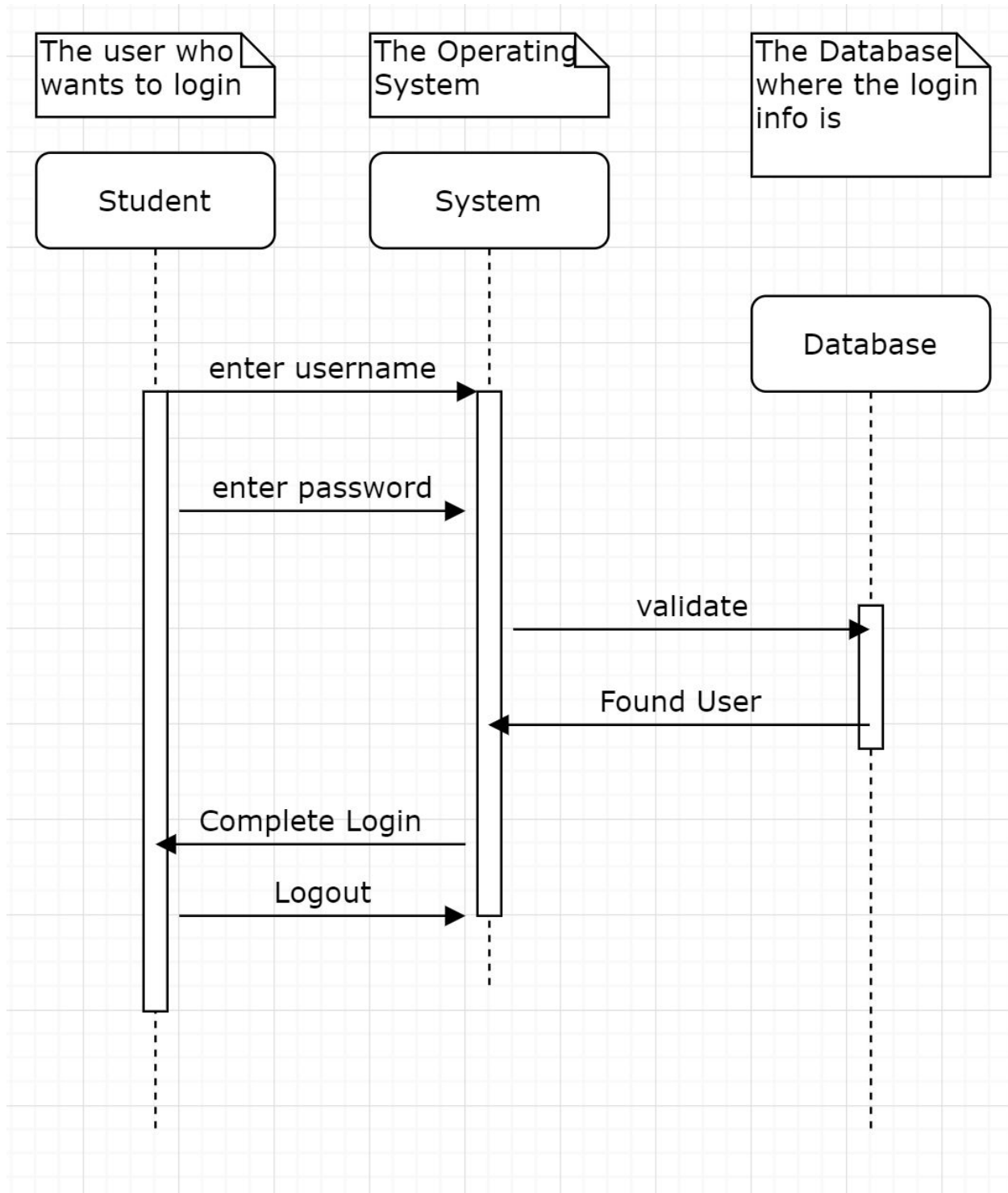
Created by: Josh Hickman, Peer reviewed by: Bryan Prichard, Callum Ferguson



Sequence Diagram: “Login/Logout”

“Sequence Diagram showing the login and logout process”

Created by: Bryan Prichard - Peer Reviewed by: Joshua Hickman, Callum Ferguson



State Machine Diagram

"This diagram models the state of a user on the website"

Created by: Callum Ferguson - Peer reviewed by: Bryan Prichard, Josh Hickman

