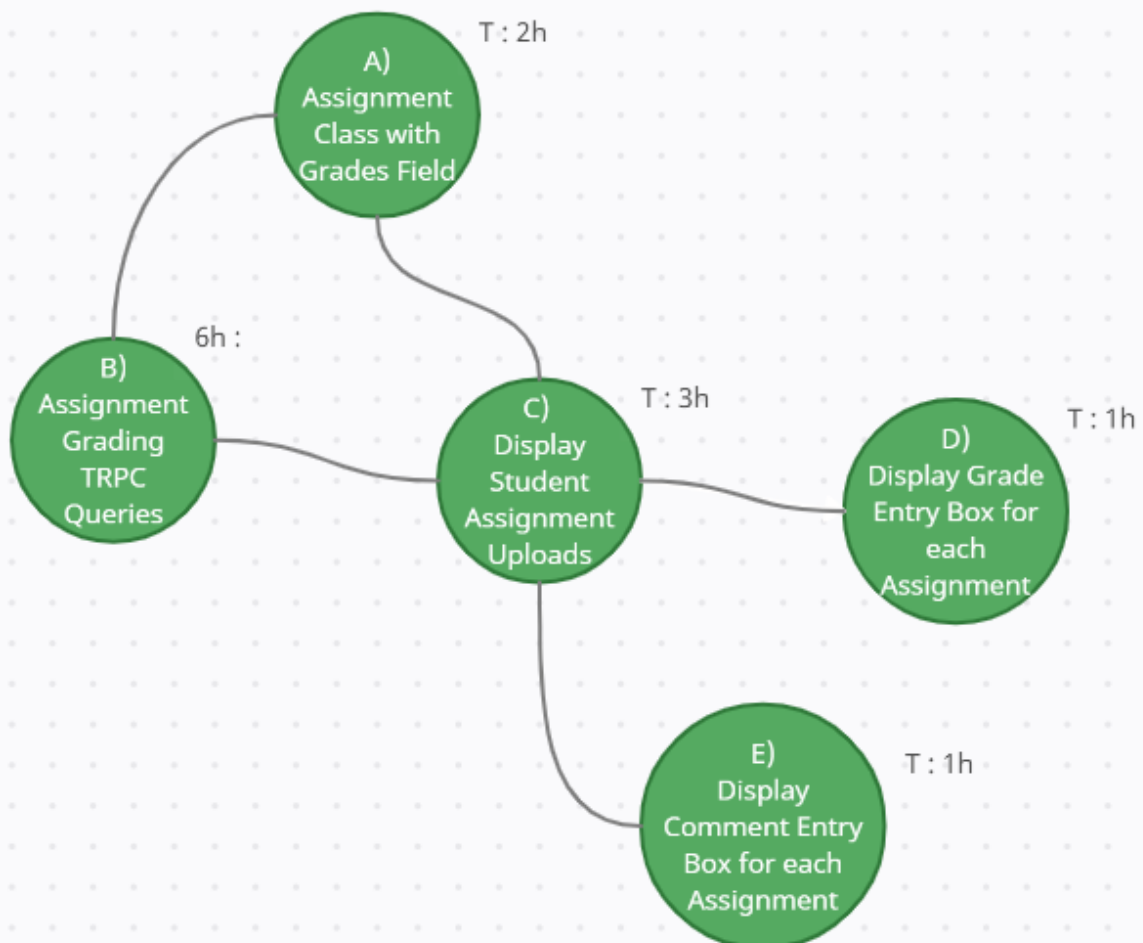# Network Diagrams for User Stories

User Stories: Grading & Commenting on Assignments

Card #2: Given that I am a teacher and there is at least one assignment/test submitted,
when I click the "grade" button on any assignment/test,
I should be able to add marks for that assignment/test.

Card #6: Given that I am a teacher and there is at least one assignment/test submitted,
when I click the "comment" button on any assignment/test,
I should be able to add comments for that assignment/test.

Critical Path for #2 (Grading Assignments): A -> B -> C -> D
Critical Path for #6 (Commenting on Assignments): A -> B -> C -> E

T : 2h
A)
Assignment Class with Grades Field

6h :

B)
Assignment Grading TRPC Queries

T : 3h
C)
Display Student Assignment Uploads

T : 1h
D)
Display Grade Entry Box for each Assignment

E)
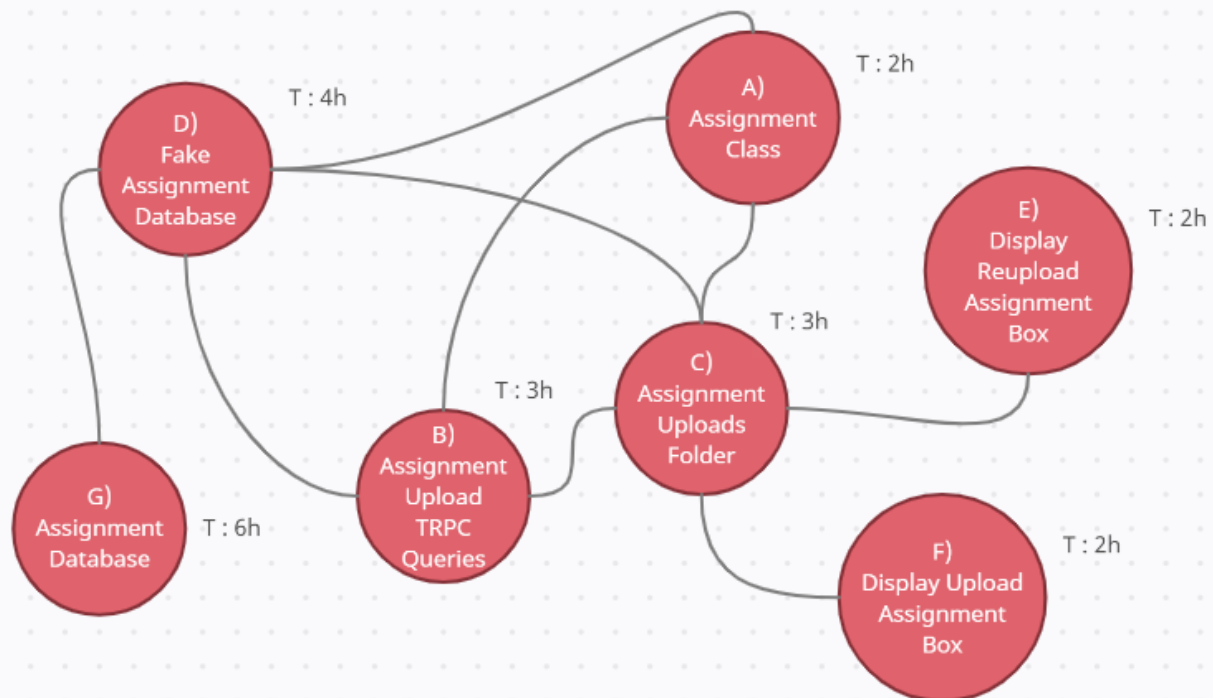Display Comment Entry Box for each Assignment
T : 1h

User Stories: Uploading & Reuploading Assignments

Card #4: Given that I am a student using the service and I'm logged in,
when I click the "upload file" button and select my assignment file,
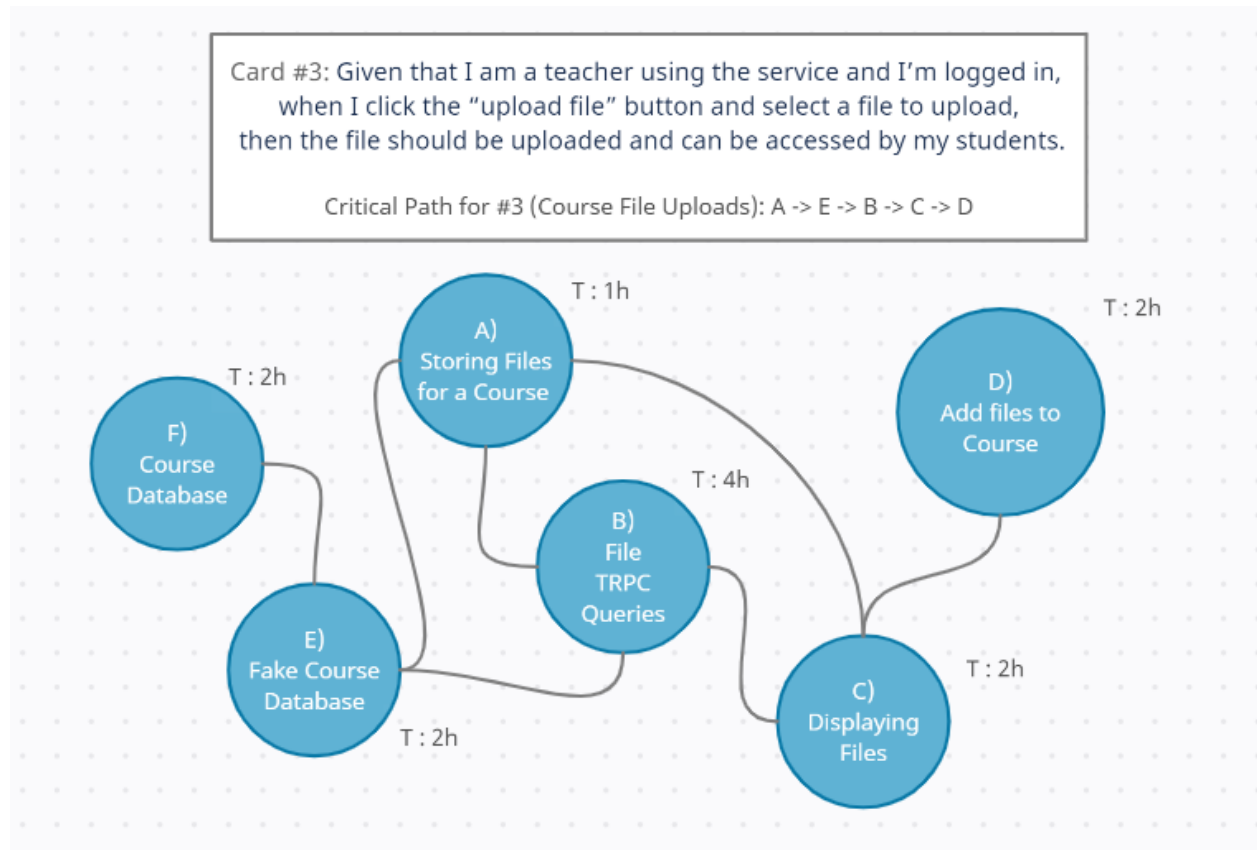the assignment should be uploaded to the server where it can be accessed by my instructors.
Card #5: Given that I am a student using the service and I have submitted my assignment,
if the due date has still not passed,
when I click the "resubmit assignment" button and reupload a new assignment file,
that file should overwrite the original submission.

Critical Path for #4 (Uploading Assignments): A -> D -> B -> C -> F
Critical Path for #5 (Reuploading Assignments): A -> D -> B -> C -> E

T : 4h

D)
Fake
Assignment
Database

A)
Assignment
Class

T : 2h

E)
Display
Reupload
Assignment
Box

T : 2h

T : 3h

C)
Assignment
Uploads
Folder

T : 3h

B)
Assignment
Upload
TRPC
Queries

G)
Assignment
Database

T : 6h

F)
Display Upload
Assignment
Box

T : 2h

User Story: Course File Uploads

Card #3: Given that I am a teacher using the service and I'm logged in, when I click the "upload file" button and select a file to upload, then the file should be uploaded and can be accessed by my students.

Critical Path for #3 (Course File Uploads): A -> E -> B -> C -> D

How were the time estimates calculated?

- The estimates for each individual task were calculated based on previous completion times for similar tasks. The total time estimate for each user story network diagram is proportional to the story points allocated for each user story.

What we did to keep our sprint on schedule?

- Tasks were allocated to the team based on whether they were more familiar with backend or frontend to decrease time spent learning new technologies. Every standup, team members who have finished their task will be assigned another to keep the pace of the project moving. If a group member is unable to complete their task for a valid reason (such as having an upcoming midterm), another group member familiar with the user story containing the task will complete it.