

Bryan Prichard

Bmpthf

CS4320 Assignment 3

Requirements Analysis

Step 1) This software system would be used by Students, TA's and Instructors.

Step 2)

This step identifies the activities each class of user will use the Software System for,

Students:

- Submitting assignments
- Viewing grades
- Viewing assignment rubrics

TAs:

- Viewing student submissions
- Access to student grades
- Access to assignment rubrics

Instructors:

- All of the same permissions as the TAs
- Control over a "course direction tab" that overviews what the course's focus is
- Access to a tab that allows direct communication with TAs

Step 3) Activity Definition

- Assignment submission: This loads a pdf, url or other and allows a TA or instructor access to it to grade.
- Grade Viewing: This presents all the previous assignments with the grades to the previous submissions

- Assignment View: This is a page that presents the basic overview and grade points of an assignment as presented by the TAs/Instructor.
- Submission View: This allows the TAs/Instructor to view the submitted assignments of the students and grade them accordingly.
- Grade List: This is a page that allows instructors/TAs to submit grades for the students to view.
- Rubric Submission: This is a page that allows TAs and Instructors to submit rubrics for students to base their assignments on.
- Course Direction Tab: This is a page for the instructor to submit what they want the course direction to be and give a general overview.
- Communication page: This is a page that the instructor has access to so that they may communicate with the TAs directly.

Step 4) System constraints and requirements

- The system must be able to be used by multiple users from multiple locations that have different levels of access to the system
- It does not have to have “real time” capabilities as it can take time to load in grades, assignments, etc,
- The system must have access to a lot of storage, either in the form of cloud or a server location because it will have to store grades and assignments from multiple classes.