Requirements Analysis

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CS 4320 – Software Engineering

Users
Students, TAs, Instructors

Activities
Students will be able to upload their assignments as well as view the grades that they receive on each assignment

TAs will be able to collect and view all submitted assignments as well as grade assignments and assign grades to students.

Instructors will be able to do everything that TAs can do as well as post assignments, add/remove TA privileges from users, change/add/remove sections from the class, switch a student's section, and add/remove students from the course.

Data Entities and Constraints
Students will be able to view their own personal data and grades, but they will not be able to view personal data about other students such as grade or assignment submissions. Students also are unable to change grades or assignment information.

TAs will be able to view student assignments and provide grades for the assignments, but will not be able to affect the status of a user, such as adding or removing students from the course or removing TA privileges from other TAs.

Instructors will be able to add/remove students from their own courses, but not from the system itself. Instructors can only edit and view information for their own classes. Instructors can view/change all grades and add/drop students from their courses but they are unable to access sensitive information about students or TAs.

System Constraints
All users must have access to a computer that is able to access the system being used (web browser most likely). There must also be a server and a database to run the system as well as store information such as user info, assignments, and grades.