03-requirements-analysis

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Step 1 Identify the different types of users of the software system

From the given description there are three users, professors, TAs, and students.

Step 2 Identify activities each user will perform with the software

Students should be able to submit assignments, add comments to submissions and view any feedback given.

TAs can view submissions of students, give feedback to students on assignments, grade assignments, forward grades to a professor. Also, able to post assignments and edit them for their respective class if needed.

Professors should have all the privileges a TA is given. Professors can finalize a grade and override a TAs action. Control over courses and classes under them.

Step 3 Identify relevant data with respect to actions

Submissions should have a time stamp, data linking it to the respective student, if the assignment is late, if submission is still open or close, comment with submission.

Feedback as comments available on all assignments, who is leaving the comment, allowing for student response, time stamped, and resubmissions.

Posted assignments should have a description, any required links to resources, total points possible, and a deadline, can be edited, and which course/ class its posted to.

Grades are submitted by a TA and a professor can override/finalize it and apply curves, separated by TAs and classes.

Step 4 system requirements

System must be accessible by all users. Separate log-ins for users in case a user is a TA and a student. Be able to store and present data to its users. A backup in case of data loss. Accessible on desktop and mobile devices. linked to university account. Keep a log of users and actions. Cyber security to protect users and data.