

Alex Webber

Assignment 3

Requirements Analysis

Users:

Student:

Activities:

- **Submit programming work**
 - Relevant Data:
 - User's name/username/ID number
 - Name of assignment being submitted
 - Date of submission
 - Constraints:
 - There must be a file to submit, cannot create an empty submission
 - Should mark as late if the submission is past the due date
- **Add a note to the submission**
 - Relevant Data:
 - Username/ID number
 - Date/time
 - Name of submission which the note is being added to
 - Text input for note
 - Constraints:
 - Note must have some text, not empty
 - Can only add a note to their own submissions
- **View the status of their submission (submitted or not)**
 - Relevant Data:
 - Name of student
 - Name of submission
 - Status of submission (submitted, not submitted, graded/not graded)
 - Date/time
 - Constraints:
 - User must be logged in
 - Submission must not be locked

TA

Activities:

- **Collect assignments**
 - Relevant Data:
 - Assignment file (doc, pdf, etc.)
 - Usernames attached to each assignment file
 - Date that each assignment was submitted at
 - Constraints:
 - If the assignment was submitted past the due date, it should be marked as late

- User collecting assignment must be a TA
- **Grade assignment**
 - Relevant Data:
 - Assignment file
 - Username attached to the assignment submission
 - Grade given
 - Late status (late or not late)
 - Total possible points on assignment
 - Constraints:
 - Only TA's and instructors can grade assignments
 - Grade must be greater than 0
- **Edit assignment grade**
 - Relevant Data:
 - Assignment submission
 - Current grade
 - Total possible points on assignment
 - Constraints:
 - Assignment must already be graded
 - Must create a note when changing a grade
- **Add a note to the submission**
 - Relevant Data:
 - Assignment submission
 - Date/time
 - Text input for note
 - Constraints:
 - Note must have some text, not empty
 - Notifies the person who submitted the assignment when note added

Instructor

Activities:

- **Posting assignments**
 - Relevant Data:
 - Assignment name
 - Assignment submission type
 - Due date
 - Total points the assignment is worth
 - Constraints:
 - Can only be created by the instructor
- **Grade assignments**
 - Relevant Data:
 - Assignment file
 - Username attached to the assignment submission
 - Grade given

- Late status (late or not late)
 - Total possible points on assignment
- Constraints:
 - Only TA's and instructors can grade assignments
 - Grade must be greater than 0
- **Post announcements**
 - Relevant Data:
 - Section that announcement goes to
 - Date/time
 - Input for announcement
 - Instructor's name
 - Constraints:
 - Announcements can only be posted by instructors
- **Add note to the submission**
 - Relevant Data:
 - Assignment submission
 - Date/time
 - Text input for note
 - Constraints:
 - Note must have some text, not empty
 - Notifies the person who submitted the assignment when note added
- **Assigning sections**
 - Relevant Data:
 - Students for each section
 - Section name
 - Total number of students for each section
 - TA for each section
 - Constraints
 - Each section must have one TA

System Constraints/Requirements

Operating system:

- Windows 7, 8, or 10
- Mac OSX 10.8 or newer

Hardware

- 1GB of RAM
- 2GHz processor
- Keyboard, mouse, monitor

Browsers:

- Chrome/Edge/Firefox/Safari

Software

- Java
- Adobe flash player