

Assignment Two - Requirements Analysis

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Users

Instructor

- Collect assignments
 - Student entity, Submission entity
 - Date/Time attributes
- View submissions
- Grade submissions
 - Submission entity
 - Date/Time attributes, Grade Attributes
- Add/Remove TA
 - TA Entity
- Add/Remove Student
 - Student Entity
- Create/Delete/Update assignments
 - Assignment entity, Student entities
 - Due date attribute, points attribute, content attribute
- Verify originality (like turnitin for code)
- Give feedback
 - Assignment and Student entities

TA

- Collect assignments
 - Student entity, Submission entity
 - Date/Time attributes
- View submissions
- Grade submissions
 - Submission entity
 - Date/Time attributes, Grade Attributes
- Verify originality (like turnitin for code)
- Give feedback
 - Assignment and Student entities

Student

- View assignments
 - Assignments entity
 - Content, points, due date, etc. attributes
- Submit work
 - Assignments entity
 - Content attribute, date/time attribute
- Create/Edit submissions
 - Submissions entity

- assignment/content attribute
- View grades and feedback
 - Student entity, Assignments entity
 - Grade attribute, feedback attribute, date/time attributes

Administrator

- All functions above
- Add/Remove instructors
 - Instructors entity

System Requirements/Restrains

- Database to store user and submission information
- System to only show appropriate content to users (FERPA)
- Front end service to allow easy access for students
- IDE for working on submissions
- Plagiarism check on submissions