Assignment 3: Requirements Analysis

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System Users:
The users would be the students, teachers and the TAs.

User Activities:

Students:

- Submit an assignment to their courses
  Data Entity: Student   Attribute: Assignment
  Constraint: Can only have one submission saved for each assignment

- View the assignment submission and have the ability to edit, delete, or
  reupload the assignment if needed.
  Data Entity: Student   Attribute: Assignment

- View grades and feedback
  Data Entity: Student   Attribute: Assignment
  Constraint: Only one grade per assignment

- Contact teacher or TA
  Data Entity: Student, Teacher, TA   Attribute: Section, Course

- Student Login
  Data Entity: Student   Attribute: User ID, Password
  Constraint: Unique user ID

Teachers:

- View, create and manage assignments for each section such as editing due
  dates, and changing assignment descriptions/requirements.
  Data Entity: Teacher   Attribute: Assignment

- View and manage course sections. Should be able to view the students enrolled
  in the course and manage any information put out to those sections.
  Data Entity: Teacher, Students   Attribute: Course, Section
  Constraint: Sections must be unique.

- View TAs assigned to their courses and send them notifications or messages.
  Data Entity: Teacher, TA   Attribute: Course

- Ability to view assignments and assign grades to students for their work.
  Data Entity: Teacher   Attribute: Assignment

- Teacher Login
  Data Entity: Teacher   Attribute: User ID, Password
  Constraint: Unique user ID

TA:
- View assignment submissions and post grades
  Data Entity: TA   Attribute: Assignment
  Constraint: Submissions can only receive one grade.

- Post comments to the student concerning their assignment.
  Data Entity: TA, Student   Attribute: Assignment

- Send notifications or messages to the teacher they are assigned to.
  Data Entity: TA, Teacher   Attribute: Course

- Post notifications to the section they are in and be able to delete or edit it.
  Data Entity: TA   Attribute: Assignment, Course, Section
- TA Login
  Data Entity: TA   Attribute: User ID, Password
  Constraint: Unique user ID

System Constraints:

- An up-to-date computer with mouse and keyboard.

- The system should be able to work with any operating system.

- Internet connection will be required to access site.