Requirements Analysis:

A Hub for collecting assignments and organizing a course.

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Users:

- Student's, TA's, Instructor's

User Requirements:

Students:
1) Login to system. 2) Submit Assignments. 3) Receive/view grades from system. (grades determined by TA's or Instructor)

TAs:
1)Login to system. 2) Receive/View assignments submitted from students. 3) Assign grades to students. 4) Able to upload assignment documents to the system.

Instructors:
1) Login to system. 2) Upload assignments for students to view. 3) Assign grades to students. 4) Organize students/TA's into certain section. (able to change students/TA's to different sections if needed)

Data within system requirements:
Each listed activity will have Entities, Attributes, and Relationships relevant to each certain activity. After each activity will have a summary of all entities, attributes, and relationships specific to the User.

Students:
1) Login to system:
        Entity: Students

        Attributes: Username, Password

        Relationships: Login to the system

2) Submit Assignments.

 Entity: Assignments, Student

 Attributes: Assignment #, Due date, Grade

 Relationships: Submit to system

 Students submit each assignment to the specific Assignment # which holds the assignment. Due date keeps track of when submitted and decides whether or not to give a penalty to the grade.

3) Receive/view grades from system. (grades determined by TA's or Instructor)
 Entity: Grade

 Attributes: Assignment #, Student

 Relationships: Submit to system by either TA or Instructor

Summary: Students have username and password credentials. The login to the system which holds their login info. They are able to submit assignments to the system. System has indications to students for where to submit their assignment. Each section of students is assigned by the Instructor. Students are grouped into a Section entity where they are identified by a student attribute. Students are able to view grades submitted into the system by the TA or instructor.

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TAs:
1)Login to system.
Entity: TA

Attributes: Username, Password

Relationships: Login to the system

2) Receive/View assignments submitted from students.
Entity: Assignments, Student

Attributes: Assignment #, Due date, Grade

Relationships: Received from submission link given when submitted by the student.

TA's are able to see who and when the assignment was submitted.

3) Assign grades to students.
Entity: Grade

Attributes: Assignment #, Student, Percent

Relationships: Submit to system by either TA or Instructor

Assigns each student their grade specific to the assignment.

4) Able to upload assignment documents to the system.
Entity: Assignment

Attributes: Assignment # , Due Date

Relationships: Submit to system by either TA or Instructor

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Instructors:
1) Login to system.
  Entity: Instructor

  Attributes: Username, Password

  Relationships: Login to the system

2) Upload assignments for students to view.
  Entity: Assignment

  Attributes: Assignment #, Due date

  Relationships: Submit to system by either TA or Instructor

3) Assign grades to students.
  Entity: Grade

  Attributes: Assignment #, Student, Percent

  Relationships: Submit to system by either TA or Instructor

 4) Organize students/TA's into certain section. (able to change students/TA's to different sections if needed)

  Entity: Section

  Attributes: Section #, Students, Ta's

  Relationships: Submit to system instructor

System Requirements:

All users must have a computer to use to login to the system.

System is ran on a website which can be accessed from any browser.

MAC or Windows window required.

All users must have basic computer skills to access and navigate the program.