

Capstone project

# DUEMATE

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### PROBLEM DEFINITION

The Assignment Management System enables students to track assignments and deadlines with reminders while allowing instructors to assign tasks, monitor progress, and communicate with students.

### CONTEXT

An Assignment Management System (AMS) helps students manage multiple assignments and deadlines while assisting teachers in tracking submissions and ensuring timely completion:

- Centralizing all assignments in one platform.
- Allowing both students and instructors to track assignments in real-time.
- Sending automatic reminders to students about upcoming deadlines.

### TARGET USERS

#### •Students:

Students need a system to organize and manage assignments.

#### •Teachers/Instructors:

Teachers need a system to track submissions and share updates

#### •Educational Institutions:

Institutions need a system to manage assignments and boost engagement

### PROJECT GOALS

An Assignment Management System enables tracking, reminders, status monitoring, centralized communication, progress tracking, and file submissions for students and teachers

### CORE DATABASE ENTITIES

- **Students** : student id, names, email, phone number
- **Instructor**: instructor id, names, email, phone number
- **Assignment**: assignment id, title, subject, created by, due date
- **Submission**: submission id, Assignment id, student id
- **Reminder**: reminder id, message, reminder date, student id

### RELATIONSHIP

- **Student**-Submission
- **Assignment**-Submission
- **Instructor**-Assignment
  - **Instructor**-Course
  - **Student** –Course
  - **Reminder**-Student

### Benefits

- **Organization & Time Management**: Streamlines assignment tracking and deadlines with automated reminders.
- **Collaboration & Feedback**: Facilitates real-time communication and efficient grading.
- **Paperless & Centralized**: Reduces paper use and stores all data in one place.
- **Reduced Admin Burden**: Automates tasks, easing educators' workload.