

Final Project in Advanced Database Systems

a. Web Application Details

This project is in simple terms, a planner tailor-made for students, but can be used by non-students too. The user may create multiple planners holding different tasks, media, and anything in relation to their needed task.

As of writing, the proposed functions will be utilizing the following:

- A calendar API system for the scheduling
- A document-based database to hold entries and values
- An API for the timer
- Possibly an API for handling media input
-

Upon user's creation, new planners and lists will appear on the dashboard/page provided, allowing various operations to be done when viewed in the web application.

b. Data Modelling

1. Student (User)

- Account ID
- name
- email
- password (hashed)

2. Subject / Course (schedule)

- subject_id
- subject_name
- subject_code
- schedule (days, time, room)

3. Planner Event (Main Entity)

- event_id
- title (e.g., "Math Lecture", "Exam", "Club Meeting")
- description
- date
- start_time
- end_time
- type (class, exam, meeting, personal, etc.)

- student_id (who owns it)
- (optional) subject_id (link if related to a subject)

c. Site Map

