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NAME: The "Student Calendar"

APPLICATION DESCRIPTION:

       The Student Calendar is a collaborative platform for students to store their schedules and connect with other students. A student that struggles to keep an up-to-date planner could use this application to store their schedule and homework due dates. The student could view a thorough calendar with all of their class times and deadlines, or they could filter the calendar to only display the dates from one class. After a deadline or due date is stored, the student could set a notification to remind them of the item. The to-do list feature allows students to create a to-do list if that is how they want to manage their work. Of course, they would be able to cross off and add things to the list.

       The other half of the Student Calendar is the connections it allows a student to make. After adding their classes to their calendar, they are able to view the usernames of other people in the same classes to potentially send a friend request to. Friends on the platform can see each other's emails and send messages to each other. A message could also be sent to a group of friends as a group message. The to-do list from before could also be made collaborative. A student could add a friend to an item on their to-do list, so that it appears on the friend's to-do list as well.

Student Calendar
- Calendar marking assignments
- Class time
- Notification/Reminder system
- Search for classmates
  - Group chat function (discord?)
- Personalized Group chats
- Meeting Invites
- To-Do list
  - add other students to to-do item?
  - Completed items are marked in a blue hue

VISION STATEMENT:
For students, who are bad at time management, The student calendar is a website/web app that assists in organizing and visualizing a student's schedule.

VERSION CONTROL:

DEVELOPMENT METHOD:
AGILE
https://csci-3308-fall21-015-3.atlassian.net/jira/software/projects/BT3/boards/1

COMMUNICATION PLAN:
Discord/groupchat/zoom

MEETING PLAN:
Meeting time:
Mondays 4-5pm
Tuesdays 4-5pm
https://cuboulder.zoom.us/j/5390127711

Standup meeting: monday 12:15-12:30

PROPOSED ARCHITECTURE PLAN:
Figma UI design
SQL
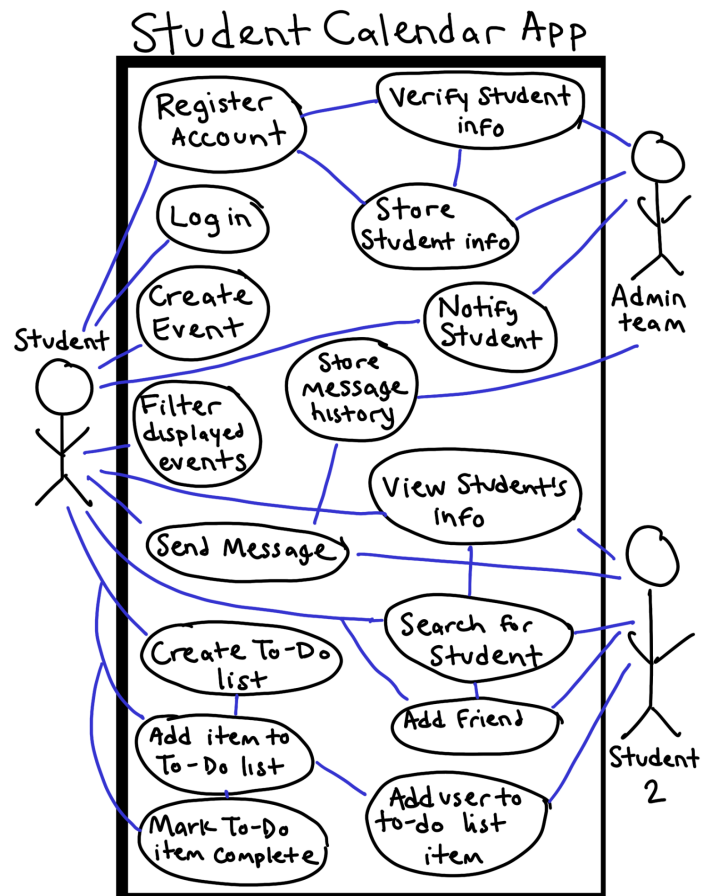Java
or
Python (with django?)
Discord API

USE CASE DIAGRAM
       STUDENT
1. create an account
2. log into account
3. view personal data
4. create event
5. search for other users
6. "friend" other users
7. send message to another user
8. send messages to multiple users
9. filter displayed events
10. create to-do list
11. add item to to-do list
12. mark item on to-do list as complete
       DATABASE
13. Validating user information
14. Storing user information
15. send alerts
16. Message history

Student Calendar App

Use cases: Register Account, Verify Student info, Log in, Store Student info, Create Event, Notify Student, Filter displayed events, Store message history, View Student's Info, Send Message, Search for Student, Create To-Do list, Add Friend, Add item to To-Do list, Add user to to-do list item, Mark To-Do item complete

Actors: Student, Admin team, Student 2

ARCHITECTURE DIAGRAM:
- Front End:
  - UI design: Figma
  - HTML/CSS
- Back End:
  - SQL
  - Possibly Python (with django?)
  - Discord API

Front END

Figma UI Design

HTML/CSS
↳ layout
web design etc

connecting
Java or
node.js

Back End

SQL
- Database management