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## Project Proposal: SchedgAssist

1. What is your Problem statement?
  - a. Students today have an increasingly complex set of academic and personal responsibilities that they have to navigate. Classes, exams, assignments, group projects, study sessions, and work shifts are just some of the things that compete for time in their weekly schedule. There are many ways that students can attempt to manage these demands, whether through physical planners, online calendars, existing management systems, or an amalgamation of those tools together. These tools can prove to be helpful, but the separation can oftentimes lead to confusion and missed deadlines. The problem is with organization but also adaptation. Priorities often shift, such as a sudden grade drop can cause a higher emphasis needed to be placed on studying for an exam, and typical scheduling tools cannot adjust dynamically. This can lead to shortcomings in both a student's academic and personal obligations
2. What are already existing works that address this problem?
  - a. There are several tools that currently exist to alleviate scheduling issues such as Google/ Apple Calendar that offer options for reminders and recurring tasks, but also are mostly general use tools and lack the ability to account for academic

workflows. Apps such as MyHomework Planner, MyStudyLife are both targeted at students but their focuses are narrow and fail to consider the other responsibilities that a student might have. There are even other AI scheduling tools that exist such as Reclaim, Flowsavvy, or Skedpal. These applications allow for dynamic scheduling but either, they have cumbersome interfaces, lack flexibility, or have essential functions behind a paid subscription.

3. Identify at least 3 other recent works.
  - a. Google Calendar
  - b. MyHomework Planner
  - c. MyStudyLife
  - d. Reclaim
  - e. Flowsavvy
  - f. Skedpal
4. What is your proposal to address this problem and how is it different from those existing solutions?
  - a. We propose with our AI application, SchedgAssist, to design a tool that will unify academic and personal commitments while providing informed recommendations that adapt to that specific student's workload. Unlike either general use planners, or other student specific tools, we aim to integrate multiple task types such as classes, exams, assignments, work shifts, and personal events into one schedule that is flexible and adaptive. With our drag-and-drop interface students will be able to quickly and easily add recurring tasks such as work shifts as study blocks. Our platform will also be able to recognize when a scheduling conflict arises and

then suggest a change that leads to the least amount of disruption to the overall schedule. And with the ability to add a priority ranking to critical tasks our application will be to suggest and schedule those tasks accordingly to fit into the student's schedule. Our platform aims to not simply remind and record the multitude of responsibilities that a student has, but actively assist them in organizing their time.