Topic: College Coursework Manager   Author: Kelvin Gonzalez   Date: January 27, 2023
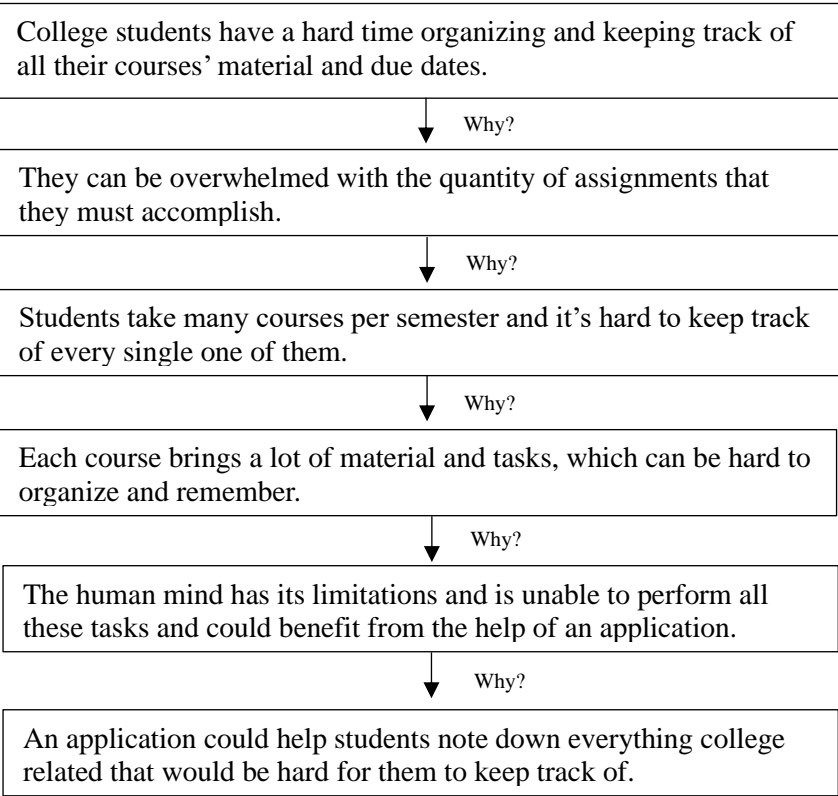
Problem Background

- College students have a hard time organizing and keeping track of all their courses' material and due dates for assignments, exams, and other specifications.
- Currently, students rely on a combination of notebooks or note-taking applications, calendars, emails, and online portals to track course materials and deadlines.
- The generalization of a lot of these applications and the lack of unity between them makes it hard for students to keep track of all their assignments for all their current courses.

Target

- We plan to provide college students a new, unified way to better organize all the material for their courses, one that specifically targets academic usage.
- We aim to achieve this by May of 2023.

Causes

College students have a hard time organizing and keeping track of all their courses' material and due dates.

↓ Why?

They can be overwhelmed with the quantity of assignments that they must accomplish.

↓ Why?

Students take many courses per semester and it's hard to keep track of every single one of them.

↓ Why?

Each course brings a lot of material and tasks, which can be hard to organize and remember.

↓ Why?

The human mind has its limitations and is unable to perform all these tasks and could benefit from the help of an application.

↓ Why?

An application could help students note down everything college related that would be hard for them to keep track of.

Countermeasures

1. Provide a system that lets users write down class notes divided by courses, which break further down into specific chapters or sections.
2. Allow users to define exams and assignments data such as due dates, class material that will be covered, which parts of the material they've already studied for, mathematical formulas to use, and relevant vocabulary words and important facts.
3. Provide users with practice exams testing them with the data that they've entered themselves such as vocabulary words, important facts, and mathematical formulas.
4. Allow users to search by course, section, date, keywords, etc. to easily find specific notes that they wish to read.
5. Remind users when due dates are closely approaching since due dates are easily forgettable.
6. Allow users to save their course schedules and notify them whenever a class is about to commence.

Check/Evaluate

- The project's success can be determined by the visible growth of users and user feedback.
- If the project were to fail, it could be easily observed as a decline in active users.
- If collaboration with the university is achieved, another metric for success may be students' grades statistics for the semesters since the project was launched.
- If the project succeeds, then it would mean the root cause to be eliminated, since students will now have a platform to keep track of and organize everything important college related.

Act/Standardize

- We may ensure that the problem stays solved by providing constant updates with the help of user feedback.
- Interest in the application may also be maintained by adding new features, a potential idea could be the ability to share select info with other users.
- Once finished with the project, each team member will have gained new programming experience and tools for future use in their professional endeavors.