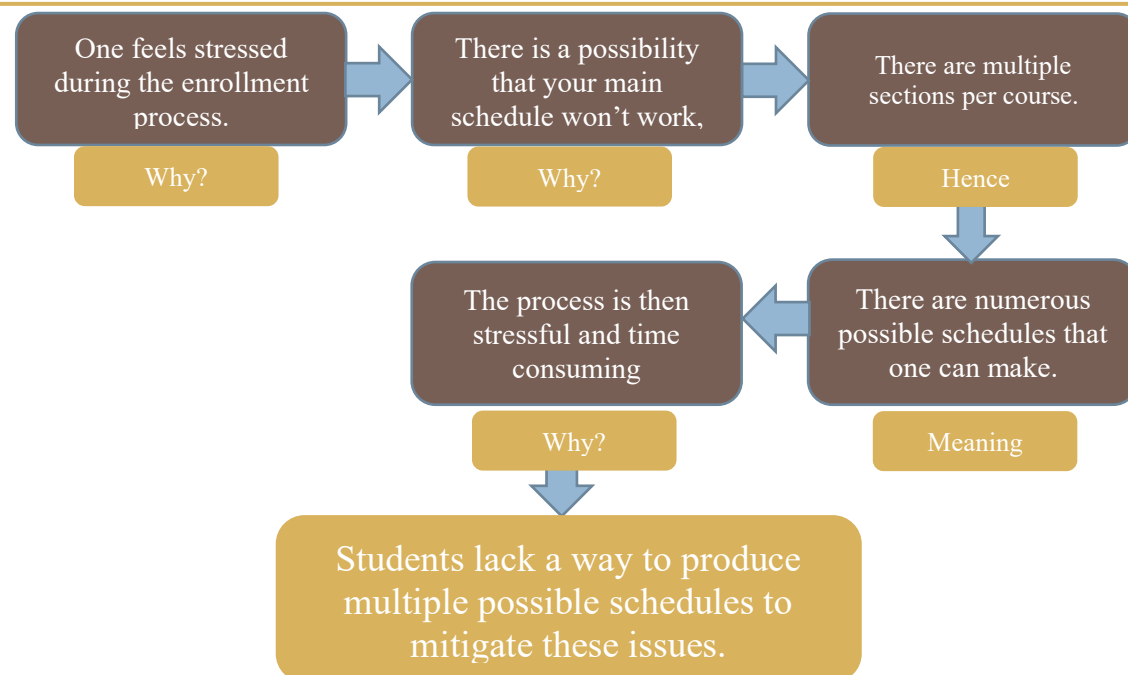| Topic: Schedule maker	Author: Kenneth R. Aponte	Date: 01/30/2023

Problem Background

- During the process of enrolling for a new semester, students go through the trouble of picking a new schedule for their classes.

- Even though students have an idea of what classes they will take, most courses include multiple sections with different times, therefore, a student that knows what subjects they will take can produce numerous possible schedules with all the available sections from every class.

- During the process of enrollment and picking the courses, most of the sections start to fill up, hence having one option for a schedule will most likely not suffice.

Target

The goal to achieve is to assist students during the process of enrollment to minimize the hassle and struggle that one goes through. Moreover, removing the possibility of remaking a complete schedule during the process due to classes filling up, removed, et al. Greatly reduce the time it takes to produce multiple schedules without the worry of time conflicts.

Causes

Countermeasures

- A resource in which users can create multiple schedules by just picking the courses they want to take that semester.

- The resource will avoid time conflicts between classes.

- This resource will allow users to create all the possible schedules and arrange them in a specific order which makes the best schedules a priority (according to the user).

- These possible schedules can be created based on the user's preference. For example, a user might want a particular section for a course, hence, the system will base the other classes with a schedule that revolves around that class section.

- If a particular course section is filled, the user can mark it as full and instantly recreate multiple other schedules without including that section.

Check/Evaluate

- To factor in success one can consider the frequency of user engagement.

- The resource bringing in new users is an indication that students were indeed in need of it.

- The resource can be evaluated regarding time, since less time spent on the tool with a successful outcome will imply that tool is indeed straight forward and easy to use.

Act/Standardize

- By completing this project, one will gain experience and insights into developing a public tool, acquiring knowledge that can be used and applied to other domains.

- To ensure that the tool is indeed producing results and continues to do –the resource can be expanded upon to provide users with a better experience.

- Feedback from users can be utilized to improve the project and ensure success.

- The ideas used and software design process can be applied to any other concept or domain.