

David Jennings

Milestone

I decided to work on an application project for our Software Development semester project. I think many students here at Marist would agree that trying to create a schedule is a tedious and time-consuming task. One must constantly look up available courses and try to compare the times between multiple classes to figure out which ones to register for. To get one's desired schedule some turn to Microsoft excel and manually input timeslots for classes and have countless different possible schedules they must compare to try and find the best one for them. I thought that I could streamline this process of finding a student's desired schedule so that they are no longer forced to create multiple schedules by hand through excel or other means. My proposal was a Marist scheduling assistant.

System Description

Currently the program is designed to take user input (course names, days class meets, meet times etc.) and then display that information back to the user in an easy to read fashion. I'd like to add a recommended courses section to the program. This is reason the user is prompted to enter their current year and major. Once the year and major are entered a few recommended courses should appear for the user to consider taking if they haven't already.

Course
-name: String -numberOfDays: int -days: String -time: String
+getName(): String +getNumberOfDays():int +getDays(): String +getTime(): String

Student
-name: String -studentID: int -year: String -major: String
+getName(): String +getStudentID(): int +getYear():String +getMajor():String

Requirements

This application should address the hassle of recording possible schedules that a student might have with different courses. So instead of writing it all down they could simply type the information into this program that will record it for them.

Literature Survey

So it turns out that Marist decided to put out their own version of a scheduling assistant called “Schedule Planner” this semester. This planner has users select the courses that they want to take and then generates all possible schedules for the selected courses.

User Manual

In its current state users should input whatever they are prompted to. It’s relatively simple and does require some legwork on the user’s end to go and search for the course name, meet times, and days the class meets.

Conclusion

As of now the program takes the user input (course name, days class meets, class meet times) and records it. It’s a bit simplistic so I believe that adding a course recommendation section will both add complexity and increase the usefulness of the application.