

COMP 3005 Final Project

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Project description:

Carleton students often struggle with creating their class schedules each term. The process involves going through course catalogs, figuring out which classes they need, and making sure the classes fit together without overlapping. It's time-consuming, frustrating, and can take hours to get right. My Time Table is a tool designed to solve this problem. It automates the scheduling process, helping students create a complete and conflict-free schedule in seconds. Instead of manually searching and planning, students can rely on this system to handle the hard work for them. The key to this tool is its database, which stores all the important information needed for scheduling:

- An auto scheduler, generates a schedule based on students academic progress
- Information about courses, their sections, times, and professors.
- Degree Requirements: What courses are needed for each program.
- Student Records: The courses students have already completed and their grades, ensuring no repeated or unnecessary courses are added to their schedule.

The database is designed to handle all these connections, like checking if a student has the prerequisites for a course or ensuring their schedule matches their program requirements. Right now, My Time Table is in its early stages. A Python script demonstrates how the database works and how it could be used to generate schedules. This is just the beginning, but the project has the potential to save students a lot of time and stress in the future.

ER model:

