Project Title: Course Planner/Organizer

Abstract:

A course organizer is a type of program that manages & organizes various course specifics. Some of the main functionalities includes:

- Adding courses
- Editing courses
- Browsing existing courses
- Save/Delete courses
- Check progression of current course
- Check prerequisite & next unlockable courses

Course organizer helps a student keep their course progression organized and well informed of prerequisite or next unlockable courses to plan ahead of time in quick and easy way.

Introduction:

The idea of a course organizer project originated from the real-life problems student face throughout their academic career in regards to registering for courses, course progression analysis, knowing a future course's prerequisite or inquiring about which new courses will be unlocked by completing current courses and so on.

The project aims to solve some or all of these issues by letting a student organize courses in their own way. To accomplish it, a student will be required to sign up for the program to enable its interactions. The interactions are currently subject to change as the project's requirements or scope keeps evolving. Some of the interaction details are mentioned below:

Sign in: Existing user, login available

Sign up: New user, registration required

Add Courses: Add courses manually

Browse Courses: Browse previously added/existing courses

Select Course: Select any course to see in detail from browse courses section

Check Course Progress: General course progression plan made and filled by student

Show Prerequisite Course: Shows prerequisite course/courses of a selected course

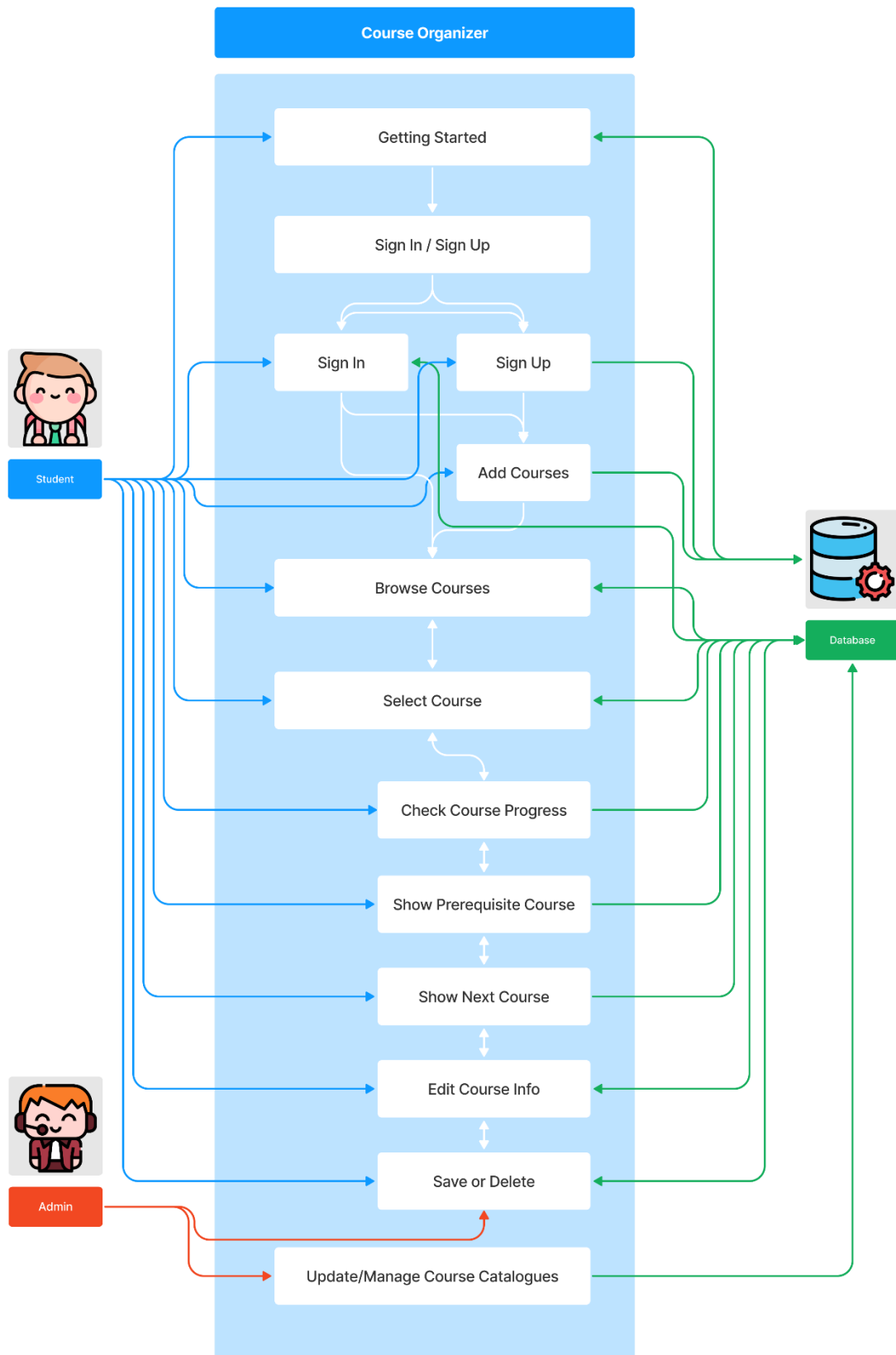Show Next Course: Shows which course/courses ongoing course unlocks

Edit Course Info: Manually edit course info (E.g.: Section change, time change, semester change etc.)

Save or Delete: Save manually edited info or delete it.

Update/Manage Course Catalogues: (Admin only interaction) Manages university provided course catalogues

The program's actors and interaction flow charts are provided with use case diagram in next section for better understanding.

Use case Diagram:

Project Prototype:

(Work in progress model)

Window 1

Welcome!

Sign in

Sign up

Window 2.1

Sign up

Agree & Confirm

Window 2.2

Sign in

Username

Password

Log in

Window 3

User

Course Options

Add New Course

Browse Course

Edit Existing Course

Window 4

Add

Course Name

Course ID   Section

Semester

Save

Window 5

Browse

> Artificial Intelligence

> Data Mining

> C++ Programming

> Object Oriented 2

> Research Methodology

> Computer Networks

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Project Significance:

The project aims to solve a real-life problem of students to ensure:

- Course registrations are done in a planned manner
- Stay updated with what courses to take next
- Having a manually organized list to complete topics of a course (Progression checker)
- Keeping academic career well organized

Furthermore, the practice of staying organized will promote good habit that will help pursuing future careers and maintain consistency in workplaces.

Conclusion:

Despite being a simple project, it will benefit students in a significant way by staying organized. One of the main problems of failing courses is staying unorganized, not being well informed of what to do next in an ongoing course or about a future course. This project strives to fix those problems and provide a simple yet elegant solution.

Validation:

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