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App Name: MUN ScheduLink.

App Link: <https://github.com/Jephtha/schedulink>

App Description: This software provides a platform that generates a schedule for students after inputting their specified courses. User profiles are created allowing students to connect with others in the same courses.

This software will also provide course information for each course offered and added to the user's schedule relative to their current semester.

In addition, it will be used as a social platform where students can interact on topics, assignments and more, once a connection request is established and confirmed; allowing students to consent to sharing or exchanging contact information providing the opportunity to form deeper social connections.

Target Audience: This software application is currently targeted towards Memorial University students.

Key Features:

1. Warnings if any conflicts in time slots are noticed as users add their classes.
2. Generate schedule grids which can be saved as image or pdf.
3. User profiles to connect users to others in their classes (including profile image uploads, direct messaging, and contact sharing).
4. Add important deadlines/due dates, and sort/filter them based on details such as class, project type, date, grade weight, etc..
5. Prompts and alerts for upcoming deadlines/due dates.

Technical Stack:

UI Development: Flutter.

User Management: FirebaseAuth - to allow users to sign up or sign in with their email and password.

Database: Firestore - to store user data (classes, schedules, projects and deadlines, contact info, etc.) as well as user profile/login info.

Storage: Firebase Cloud Storage - to store images, such as user profile photos.

Messaging: Firebase Messaging - for users to communicate back and forth with classmates within the ScheduLink app.