Software Project Management

SOFE 3490U

Lab Instructor: Sifatul Mostafi

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<u>Group 8</u>
Rodney Stanislaus (100822918)
Alexy Pichette (100822470)
Calvin Reveredo (100825740)

Introduction

Maintaining communication with the students of an educational institution, whether it is current students or those already graduated, can prove to be a difficult task. There are thousands of students that are associated with just one out of the many institutions that exist. When that is combined with the fact that several communication mediums exist and it is not known which one that a particular student has or uses most frequently, the challenge of finding a specific student and getting in contact with them is highlighted immensely.

This is not desirable in the slightest, as there are many instances where people may want to get in contact with a particular student or see what they have been up to. A current student may want to get in contact with past alumni of their school in order to learn about and explore potential job opportunities for them. The educational institution themselves may want to contact alumni as well, in order to conduct research on what students have ended up pursuing with the degrees they have earned.

The networking opportunities, advice, and feedback that would be made readily available as a result of the creation of an effective school management system is the motivation behind this project. Every student, alumni, professor, and other staff members of an educational institution will be able to easily communicate with and learn more about each other, as information about them will be readily available. The system will allow for the creation of profiles, similar to any social media app, where users will be able to have a glimpse of the type of skills and knowledge a particular person possesses and specializes in, which may be of interest to them. It will also have its own integrated messaging service, where two or multiple people will be able to interact with one another.

The hope is that in the creation and deployment of this product, school communities are able to be brought closer together, and many people are able to be exposed to connections and opportunities they would not have had otherwise.

Project Objectives

1. ***Have a simple communication service between students and alumni***
   - Students and alumni should be able to communicate together privately
   - Groups could be made with students and alumni to communicate altogether

2. **A way to invite students and alumni to school gatherings**
   - Students and alumni could sign up to receive event notices
   - Students and alumni could filter through different kind of future events

3. **A way to easily keep track of alumni**
   - Their graduation year as well as their program is saved on their profile
   - Alumni can create their own profile with their current careers

4. **An easy way for professors to communicate with their class**
   - Professors can send notices to their classes
   - Professors can contact anyone within their class privately

5. **A way for students to search for alumni based on many filters**
   - A filter through graduation years, program types, and classes taken can be searched by the student
   - Each alumni's profile can be seen through specific filters

Measures of Success

- Measure how many alumni continue to use the platform after graduation.
- How many users have finished setting up their profile?
- How many students have notifications turned on for class announcements etc?
- User Feedback from alumni, current students, professors, and staff.
- Is the messaging/notification latency meeting the expected timeframe?

Required Infrastructure (Hardware and Software)

- Cloud servers for hosting the backend, database, and storage.
- Database Management System to manage and query the database.
- Authentication and Authorization Services.
- Mobile Development Frameworks.