COURSE ADVISING APPLICATION

PROJECT CHARTER

ABSTRACT

In this document we wish to present a more efficient way to for students and advisors to schedule appointments and communicate, using our web-based course advising application.

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2 PROJECT SUMMARY

The goal of our project is to create a more efficient and better organized way for students to communicate with their advisors. Currently, the process for making an appointment with an advisor involves signing a sheet taped to the advisor's door. We wish to make this process of creating the appointment, and directly communicating with the professor easier with a web application. This application is also beneficial for the advisors since their advising schedule and communication with students will be all in one place.

3 TEAM

NAME	ROLE (TEAM LEADER, PROGRAMMER, DESIGNER, ETC)
David Herrington	Team Leader/Programmer
Simran Bhamra	Designer/Programmer
Michael Fishler	Programmer / Researcher

4 SCOPE

4.1 GOALS AND OBJECTIVES

- Create an easy to use class scheduling application for both university students and their academic advisors
- Allow for collaboration between the student and the academic advisor
- Allow for customisation of the students academic goals
- Develop a responsive web application

4.2 DELIVERABLES

- Our project will be a responsive web application.
- The back-end will be written in C++.
- The front-end will be written using React.
- The connected database will be implemented using Firebase
- Design document will be created using Adobe Experience Design
- Training will be provided in the form of a video tutorial linked within the application

4.3 STAKEHOLDERS

Role	Interest/Impact
University students	Students will greatly reduce the time required to create their class schedules for future semesters.
Academic advisors	Academic advisors will be able to collaborate and view students desired class schedules before meetings to save time as well as easily and continually communicate changed on the schedule.
University	Both the primary users are members of the university community and will be benefited by the creation of this web application.

4.4 OUT - OF - SCOPE

- Automatic course suggestions based on a student's transcript
    - We cannot implement it due to privacy concerns
- Mobile app component
    - This may require using additional coding languages, which due to time constraints, may not be feasible
- All majors and minors offered at DeSales University will not be provided in this web application due to time constraints

4.5 RISKS, CONSTRAINTS, ASSUMPTIONS

Risk/Constraint/Assumption Title	Explanation
Students enter all the information correctly.	In order to suggest classes that the student should add to their schedule the student will be asked what their current major and/or minor is along with the list of classes that have been taken. If the student incorrectly enters this information then the suggested classes will be impacted.
Academic advisors must sign up with a Google account.	Firebase provided by Google will provide the back-end therefore, Google verification will be implemented to sign into the application. For this reason, academic advisors must sign up with a Google account.

5 SUCCESS MEASUREMENTS

The success of this project will be measured by the metric of timed saved, overall the creation of the application will reduce the advising process by 30% as it will eliminate the need for multiple in person meetings as well as physical document sharing.

6 SIGNATURES

Customer:		
Name	**Signature**	**Date**
DeSales University	DeSales University	21st January 2020
Project Manager:		
Name	**Signature**	**Date**
David Herrington	David Herrington	21st January 2020
Team Members:		
Name	**Signature**	**Date**
Simran Bhamra	Simran Bhamra	21st January 2020
Micheal Fishler	Micheal Fishler	21st January 2020

7 APPENDIX A – GLOSSARY

- *React* - React is a JavaScript library for building user interfaces. It is maintained by Facebook and a community of individual developers and companies.
- *Firebase* - Firebase is a mobile-backend-as-a-service built on Google infrastructure that provides powerful features for building mobile and web applications.