Team 7 - Team 7 Company Forum
ITSC 3155 Final Project Report

Prepared by:
Syniah Peterson, Evan Pulido, Austin Jackovich, Brandon Jones
Date: 05/05/2023

Table of Contents

1 Introduction

Our app is an online forum that connects students with similar school related interests. This forum encourages students to share and read about experiences from people that have already been in their shoes. Students will be able to spread and gain knowledge they have or want to have about certain subjects which will help prevent students from making the mistakes others did. This app is a game changer and will help advance the generation of tomorrow.

1.1 Product Vision

To be Earth's most unrivaled online student forum, where students can obtain knowledge from other students that were once in their shoes; to build great sharing habits among the future of the world. This app gives students an opportunity to share their experiences and help students in ways they wish someone had helped them. This app allows students to share any school related experiences they would like to and receive insight about things they should expect as well as a relevant story from someone who has done what they are attempting to do.

1.2 Customer Description

Our target customers are students ranging from middle school to college. As well as teachers, advisors, and parents. This app is marketed for students but we encourage teachers, advisors, and parents to introduce this app to their students so they can share their experiences with other students as well as have an opportunity to learn more about topics that interest them.

1.3 Project Scope and Objectives

Team 7 Company student forum will develop sharing of experiences among students ranging from middle school to college. Students will be able to ask questions that can be directed towards other students they relate to because of common interests. They can get insight into what their future could look like and what mistakes they should not make in the future. Students will also be able to share their own experiences and help another student. These goals will be fulfilled with the use of our navigation bar, home page, frequently asked questions page, forums page, contact us page, and community rules page

1.4 Ethical concerns

The ethical concerns surrounding Team 7 Company student forum include informed consent of students using the app, protection of privacy and anonymity if so desired, and collection of information to identify and validate whether the account holder is a student.

2 Project Resources

2.1 Group Members
1. Syniah Peterson
2. Evan Pulido
3. Austin Jackovich
4. Brandon Jones
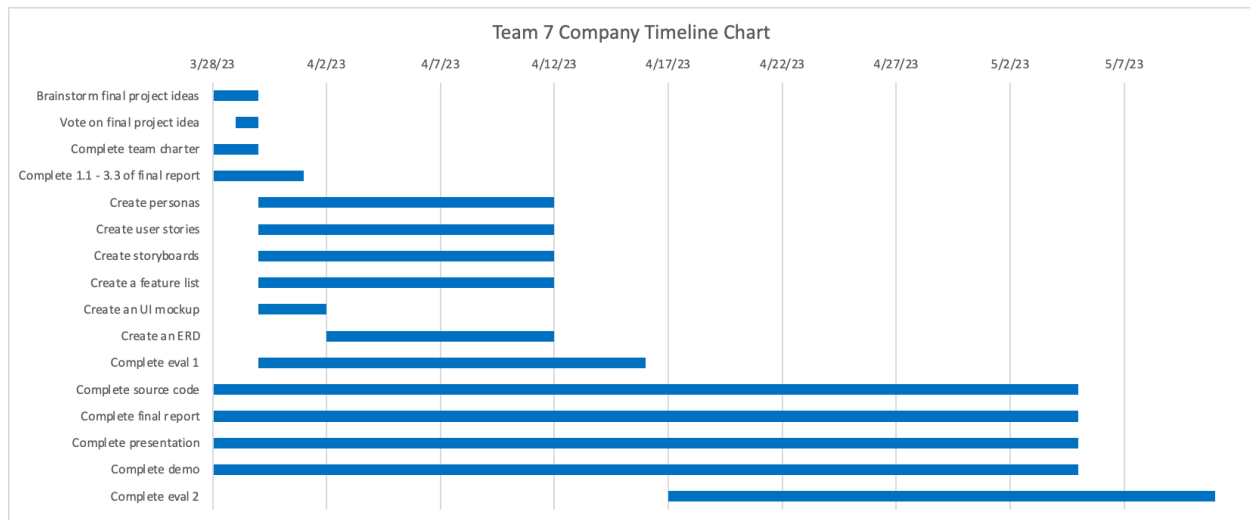
2.3 Hardware and Software Resources

The required hardware resources needed to complete the code for this app include a computer or laptop. The required software resources needed to complete the code for this app include a virtual environment to download all required Python packages, a source code editor like Visual Studio Code, the Bootstrap 5 User Interface Kit, Flask, Flask-SQLAlchemy, Python3, HTML and CSS for formatting, and an internet hosting service like github to manage different versions of the project throughout the development process and allow for easy collaboration among all participating parties.

2.4 Special Resources

No special resources were used to complete the code for this application.

3 Plan

3.1 Timeline Chart

3.2 Task/Milestone Descriptions

Milestone 0: Brainstorming and voting on final project ideas, completing introductory sections on the final project report.
Milestone 1: Creating personas, user stories, storyboards, a feature list, an UI mockup, and ERD diagram.
Milestone 2: Completing source code, final report, presentation, and demo.

3.3 Resource Table

Task	People
Final Project Report	Syniah, Evan, Austin, Brandon
Source Code	Syniah, Evan, Austin, Brandon

Final Presentation	Syniah, Evan, Austin, Brandon
Final Demo	Syniah, Evan, Austin, Brandon
Sprint 0	Syniah, Evan, Austin, Brandon
Sprint 1	Syniah, Evan, Austin, Brandon
Sprint 2	Syniah, Evan, Austin, Brandon
Sprint 0 Meeting Docs	Syniah, Evan, Austin, Brandon
Sprint 1 Meeting Docs	Syniah, Evan, Austin, Brandon
Sprint 2 Meeting Docs	Syniah, Evan, Austin, Brandon

4 System Design

4.1 User Stories

1. As a user, I would like to signup/login to my account and get my questions answered through joining/creating different forums the website has to offer.
2. As a user, I would like to navigate through the website with ease and contact the company about questions and comments I have.
3. As a user, I would like to know and learn how to use the forum website and the features that it offers.
4. As a user, I would like to know the rules of the online forum.

4.2 Feature List

1. Navigation bar
   - Home
   - FAQ
   - Forums
   - Contact us
   - Rules
2. Home page
   - Page title
   - Login
   - Sign up
   - Forgot password
   - Remember me
3. Frequently asked questions
   - Page title
   - Questions

- ○ Answers
- ○ Note to contact us with more questions that need to be answered and added to the faq page
4. Forums page
   - ○ Page title
   - ○ List of forum topics
     - ■ Link to a page with all forums dealing with this topic
   - ○ New forum button
     - ■ Link to page that allows asks for topic, title, and a question or comment
   - ○ Search
5. Contact Us page
   - ○ Page title
   - ○ Name
   - ○ Email
   - ○ Question/comment
   - ○ Submit buttons
   - ○ Note to submit the form or call using the phone number
6. Community rules page
   - ○ Page title
   - ○ List of website rules

5   User Tests

[Team 7 Company Forum - User Testing](#)

6   Lessons Learned

Lessons that we learned from this assignment include the importance of communication and collaboration. The importance of understanding. The importance of time management and project management. The importance of version control and how useful a tool GitHub can be. We all learned more about Flask and Flask-SQLAlchemy. We all faced challenges and learned how to overcome them both on our own and with the help of others.

7   Future work

No future work is planned for this project but there is the option to make the interface better by adding features and implementing different APIs.

8   Appendices

8.1   Team Charter

[Team 7 Company Charter](#)

8.2   Sketches

[Final Project Sketches](#)

8.3   Software Repository

[Team 7 Company Software Repository](#)

8.4   WBS Tool

[Team 7 Company WBS](#)

8.4   Meeting notes

[Team 7 Company Sprint 0 Meeting Docs](#)
[Team 7 Company Sprint 1 Meeting Docs](#)
[Team 7 Company Sprint 2 Meeting Docs](#)