*CEN 4010: Principles of Software Engineering*

Team 4: Milestone 1

Team Project Proposal and Description

Group Number: 4; Team Name: “ “

Group Members:

* Anthony Pancione – apancione2018@fau.edu
* Jonah Livingston - livingstonj2015@fau.edu
* Nicholas Child - nchild2019@fau.edu
* Tyler Do - tdo2018@fau.edu

Date: June 16, 2020

Revision Table:

|  |  |
| --- | --- |
| Date: | Revision: |
| 6/16/2020 | Added Revision Table, Executive Summary, Competitive Analysis, Data Definitions, Overview & Scenarios, High Level functions, Non-Functional requirements, High Level System Architecture, Team Roles, added documentation onto GitHub |
|  |  |
|  |  |

Executive Summary

For our project, we chose to create a communication platform that allows people who are stuck in quarantine to interact and share ideas. Due to the COVID-19 outbreak, students at FAU have been unable to communicate in a healthy sociable manner. To fix this issue, our team has come up with a website that will allow students at Florida Atlantic to create, comment and like posts made by other students. This project, named “\*\*/UNDECIDED\*\*/” , is useful because socialization at FAU has been almost entirely erased since quarantine began. College is a critical time to socialize and create new connections. We believe there is no available platform where FAU students can freely socialize in an unmoderated environment. It will be a site of the students, by the students and for the students. The setup will be a reddit style posting board where verified users can make new posts and like/comment on old posts.

Competitive Analysis

|  |  |  |
| --- | --- | --- |
| Product | Similar Features | Why ours is superior |
| FAU Facebook Group | Allows students to post and communicate in a popular social media, and is relatively unmoderated | Ours is solely dedicated to the communication of students, (rather than being just a page of a major social media platform). The Facebook group is difficult to get to, fairly formal, and not widely used. Ours will better facilitate socialization through the idea of an unmoderated |
| Canvas | Simple, aesthetically pleasing site for teachers to communicate with students and occasionally used for student to student communication | Canvas does is too formal of a space to allow students to really create friendships and get to know each other. Our site will be orientated to being informal and fun |
| Discord Groups | Many students will create discord groups to interact between clubs, classes and friend groups but are hard for outsiders to access | Our site will be welcoming to everyone if and only if they have a verified fau email address, allowing all students to be welcome to the site |

Data Definition

* Moderators- the users who have privileges to remove posts or ban users
* Post Block- each post will be in a post block which will contain data on the posts time of post, content, likes, posting user and comments
* Main Page - the main discussion page that holds all the most recent/popular post blocks
* User Page- the page of an individual user that shows all their posts and public information

Overview, scenarios and use cases

Initial list of high-level functional requirements

List of non-functional requirements

1. The website should be functional on at least two of the latest versions of major web browsers such as: Mozilla Firefox, Google Chrome, etc.

2. The only language planned for the site to be displayed in is English.

2. Data will be stored in the database on our server.

3. All privacy policies will be communicated to the users upon their registration so that they are aware their privacy shall be protected.

4. The interface of the site should be intuitive and easy to use by regular people; no prior training should be required to use properly.

6. Security of the site will require users to register and log in at launch.

High-level System Architecture

* HTML
* C++
* Java

Team Roles

Scrum Master – Anthony Pancione

Product Owner – Nicholas Child

Front-End Lead – Tyler Do

Back-End Lead – Jonah Livingston