Drew Yellina

Jakob Markland

Bryce Winnecke

3/19/2021

1. Vision Statement

Our vision for this project was to make inform the community of the 40 and 8 organization and try to bring more people to the organization to grow the foundation.

1. Introduction

Our program is intended to be used by the owners and the members of the 40 and 8 club this is primarily used to keep all the information of the organization in one place to make things super simple and streamlined. Members can come to our site to learn more about the organization, to check for upcoming events, be able to apply for membership, and to be able to connect with the organization through social media. Admins will be able to approve people for membership status and to search through a database of all members for information related to contacting them.

1. Component Overview
2. History

Our first component that our sponsor wanted us to implement into the project was a dedicated page for the history of the 40 and 8 foundation to inform visitors to the site about the foundation.

1. Calendar

The next thing our sponsor wanted out of this website was to keep a detailed schedule or calendar of the events that were taking place for the organization.

1. Social

The third thing our sponsor wanted from this project was to connect socially better with its member and potential members of the organization. In our project we have links that take visitors to their Facebook page and informs them about the events inside of the calendar component that are going on with the organization.

1. New Member Recruits

The next thing our sponsor wanted was a way to recruit new members to the foundation or to be able to let potential members to apply for membership online. Currently we are in a pandemic so not many people are getting to go out very easily so with moving the application online it allows people who do not want to go out to still apply for membership.

1. Admin

The final thing our sponsor asked out of our project was a page that admins could use to be able to review membership applications and be able to search through a database of all the active members to be able to find contact information for members.

1. Tool Overview
2. Angular – Angular is a platform and framework for building single-page client application using HTML and TypeScript. Angular is written in TypeScript. It implements core and optional functionality as a set of TypeScript libraries that you import into your apps. An angular app consists of components and services. The components are any section of UI that you wish to create, and the services are what receive the data for the UI.
3. Karma/Jasmine– This is a tool which lets us spawn browsers and run Jasmine tests inside them all from the command line. Jasmine tests are test cases that are written to verify that the Angular UI works correctly. The results of the tests are also displayed on the command line. Karma can also watch your development files for changes and re-run the tests automatically.
4. MongoDB– This is a cross-platform, document-oriented database that provides, high performance, high availability, and easy scalability. MongoDB works on concept of collection and document. This is being used to hold all of our data regarding members of the club. This will allow us to have quick and easy access to any of those members we wish to get.
5. Bootstrap– This is a UI library that can be used with Angular to allow us to easily create HTML components.

5. Project Repository

https://github.com/IUS-CS/capstone-20-21-yellina-markland-winnecke

1. Software
2. Test Cases
3. Documentation
4. Test Platforms
5. Test Scripts

6. Installation for new Install

There is no way to install this program this is all based on a website that we built and that is live and is to be running before May 4th. Our code can be accessed from the link above to see how we wrote the code for this program.

7. Installation for new Platform

To install a new platform, you must first access the repository for the project. After accessing the repo, you will perform an “npminstall” to receive all dependencies the Angular App needs. Next, you will run “ngbuild–watch” to build the Angular Application, this will also run the tests as well. After successful build of the application, the user must install a web server and run this server against the output folder for the project. Anytime that new files are uploaded or updated the server will automatically reload the new files onto the web server. After these steps have been achieved, a new platform for the application should be the result.

8. Further Development Statement

If we had a longer time to work on this project, I would love to implement a way to connect PayPal to the site and be able to accept donations or even member fees to make it easier to collect fees or donations. There would be numerous security measures that we would have to take but, it would be something I would have liked to implement. I would also like to set up an email server to create a tab under the admin page to allow them to send out notifications through emails of updates from the organization.