

INDY-6 Represent Me

CS 4850 – Section 01/02 – Spring 2024

Jan 19, 2024

		
Imani Allen	Morgan Stafford	Dariel Alejos

Project Team

Roles	Name	Major responsibilities	Cell Phone / Alt Email
Project owner	Sharon Perry	N/A	N/A
Team leader	Morgan Stafford	Tester	770-855-9351 morganmkes@gmail.com
Team members	Imani Allen	Developer	770-666-4382 Imani.Allen.1201@gmail.com
	Dariel Alejos	Documentation	678-936-6124 danielalejos@gmail.com
Advisor / Instructor	Sharon Perry	Facilitate project progress; advise on project planning and management.	770-329-3895 Sperry46 in D2L is preferred

Enhanced Overview

RepresentMe will gather voting history from recent/all votes taken within the House of Representatives and Senate, using (<https://clerk.house.gov/Votes> | <https://www.congress.gov/roll-call-votes> | <https://www.govtrack.us/congress/votes>) as sources.

We will create a government class with class extensions based on political affiliation. The attributes would include the name of the person in the party, title in government, state they represent, etc. We will create lists of each class so that objects can be removed and added as needed. We will also create a class in which proposed bills are referenced in the code. Using an API, we will be able to obtain data from the websites above to check what bill was voted for. Using search methods, the users will use the API to compare the lists and display the list of who voted for or opposed the bill.

On the front end side of things, there will be a color-coded organization based on the political party as well as numerous tables and clickable parts that further help organize things easier. Also, there will be numerous tabs such as Profile, Bills, Political parties, etc., that the user can click and be able to see information. While this is mainly a website, there will be mobile compatibility as well.

Lastly, we will be storing user information (name, email, password, etc) for login-in purposes that will be sent to a database to cross-reference when it is time to log in to the website.

Data will be divided by members and assigned unique identifiers (Zip codes) so that the end user can easily look them up. Stances should be determined by the user via links to each member's respective website if they exist. Congress members will also have how often they have voted yay, nay, or abstained listed and what other members they share the most similar votes with. All of this content will be aggregated and presented on an app where users can create an account to track new votes, receive push notifications, and save specific representative's pages.

Project website

<https://indy6ix.github.io/>

Final Deliverables - Specific To Your Project

1. Final Report
2. Source Code- <https://github.com/Indy6ix/RepresentMe>
3. Represent App

Milestone Events

- 1) Project Plan (Group Assignment)- By 1/30/24
- 2) Requirements and Design Document - By 2/8/24
- 3) Main Features complete and ready for testing – By 2/26/24
- 4) Additional Features that will be included in Prototype for Peer Review complete and ready for testing - By 3/6/24
- 5) Present Prototype for Peer Review (Group Assignment) - By 3/11/24 approximately
- 6) Final Report Draft – By 4/1/24
- 7) Final Report and Product Complete – By 4/21/24

Below are additional events that don't have specified dates:

- Additional Features not required for functionality
- Weekly Activity Reports (WARs – Individual Assignment)
- Peer Reviews (Individual Assignment)
- Website (Group Assignment)
- Video Demo (Group Assignment)
- C-Day Application/Submission (Group applies to C-Day but you submit individual bonus points documentation in Individual Assignments)
- Final Report Package (Group Assignment)

Meeting Schedule Date/Time

Team Meetings will be held on Mondays at 1 pm on Teams. If there are any conflicts the time will be moved to Sunday at 7 pm.

Collaboration and Communication Plan

Teams are where main communications will take place. Urgent communication is done via a group text. Communication with Professor Perry will mainly take place over D2L email throughout the project.

Project Schedule and Task Planning

See the Project Work Plan (Gantt chart) file attached.

Version Control Plan

We will maintain and utilize a GitHub account where all code and document versions are submitted. Code versions will likely be separated by phase those required for the functionality, and features that will make great additions if time permits. Additionally, within those phases tested and untested code will be separated.