Politi Pal

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Requirement Specification

CECS 491B Sec 04 Spring 2024

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Version 3.0

Version	Date
Version 1	October 10th, 2023
Version 2	March 16th, 2024

Summary of Changes		
Table of Contents	Changed Page #s	Page #3
Use Case #3	~~Deleted “Real Time”~~	Page #17
Use Case #5	Changed to “Opinion Sharing”	Page #21
Use Case #6	Changed to “Emote Reaction”	Page #23
Use Case #7	Changed Page #s	Page #24
Use Case #8	Changed to “Trending Pages”	Page #26
Use Case #19	Added User Profiile Use Case	Page #48
Use Case #20	Chat Bot Use Case Added	Page #16
Use Case #21	Added Home Page Use Case	Page #52
Use Case #22	Search Bills Use Case Added	Page #54
Functional Features	Added Profile Page use case features	Page #56

Version	Date
Version 3	May 11, 2024

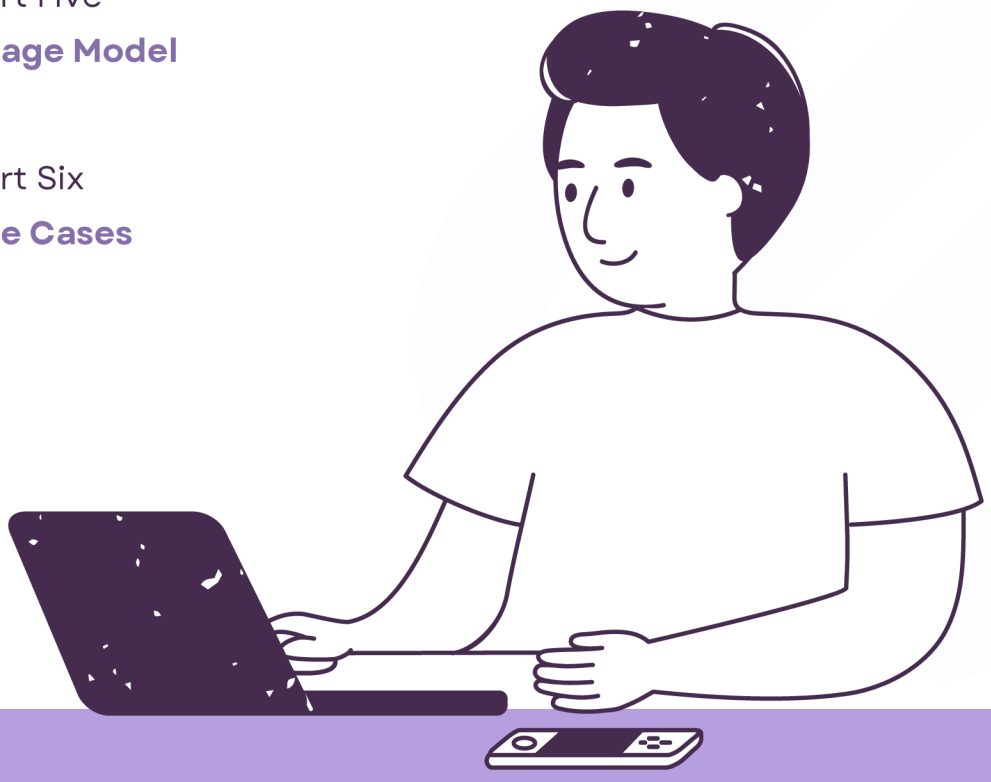
Summary of Changes		
Table of Contents	Changed Page #s	Page #4
Use Case #12	Changed to “User Settings Page”	Page #33
Use Case #20	Changed to “Subpage of User Profile”	Page #50
Use Case #22	Changed to “Filter Bills”	Page #54
Use Case #16	Changed to “Search Bills”	Page #43

Deletions = ~~Grey with line through Text~~

Additions = Green Text

Changes = Red Text

Contents



Part One

Executive Summary

PolitiPal is a mobile application platform created to navigate our society's overwhelming political landscape, an area filled with opinions and complexities. It's time for a change—a shift towards transparency and simplicity in political engagement. Our Political Insight app aims to untangle the web of narratives, providing clear, unbiased information to empower individuals to be politically active without the stress of independent research.

In the spirit of making politics more accessible, especially to the younger generation, the app offers a stress-free learning experience. No more sifting through biased narratives—just straightforward, factual information. As a companion tool during elections, the app streamlines the voting process, making it efficient and convenient for busy individuals.

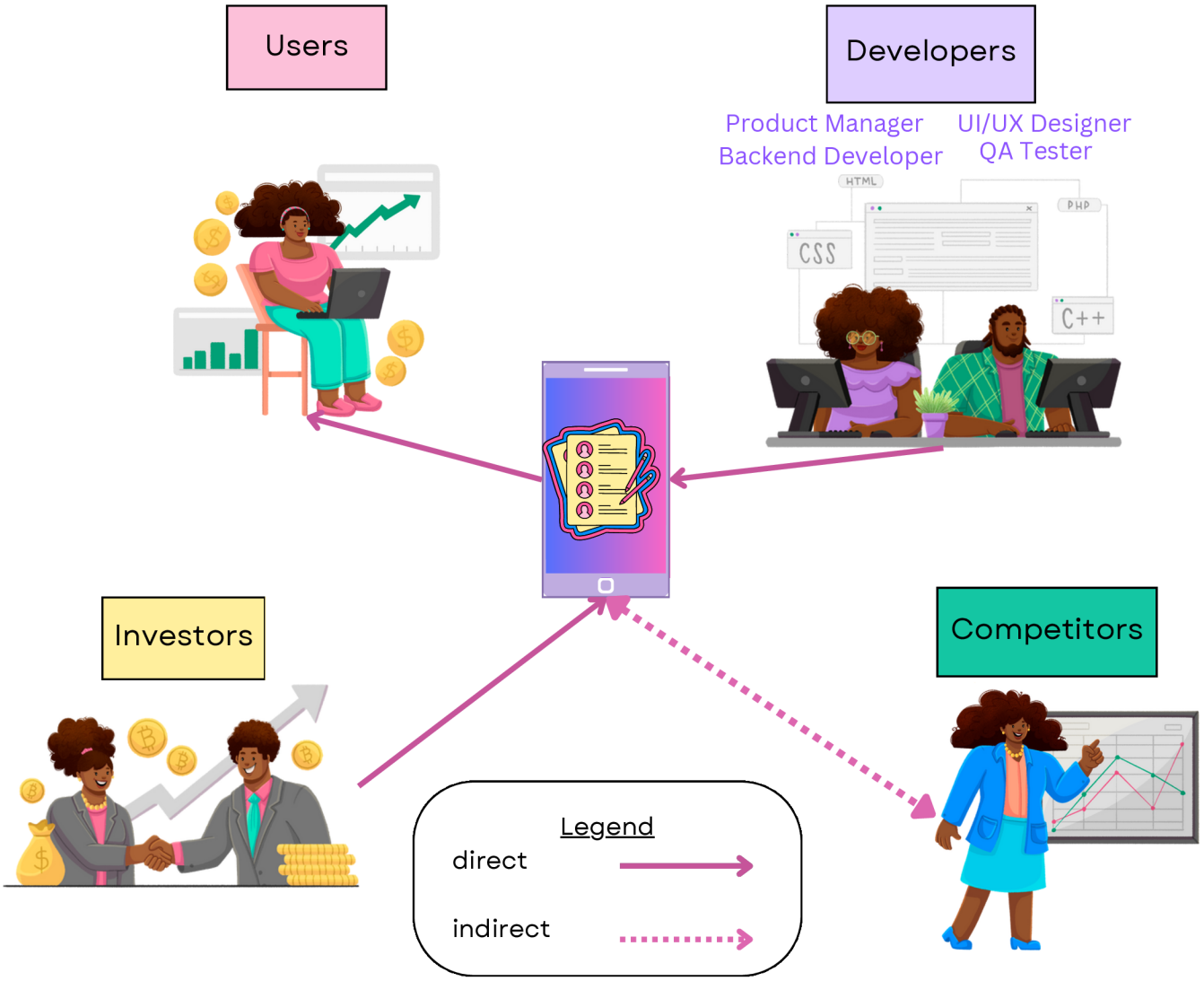
Our vision is to empower citizens, providing them with the tools they need to understand and engage in the political process. By promoting transparency, we aim to reduce feelings of hopelessness and stress, creating a space where everyone can contribute to positive change. The Political Insight app is not just a tool; it's a step towards a more informed, engaged, and united society.

Stakeholder Model

Part Two

Any individual who is impacted by or has in interest in the Political Transparency application is qualified to be a stakeholder. As such, our requirements take into consideration those who fall into the following categories: user, developer, investor, or competitor.

Investors are the individuals motivated to fund the application in order to profit off its success. Investors meet with the development team in order to create a working product. Developers design the intended product with the goal of creating a popular product. The users experience the product and in turn, provide constructive feedback to the developers to revise the product. Competitors indirectly influence our design in terms of the user and backend experience and vice-versa.



Stakeholder Roles

Part Two

Developers

Role	Product Manager
Role Description	A product manager is an individual who seeks to achieve the goals of investors by planning the features output by the development team.
Expertise	Coordination, leadership, time management
Responsibilities	Talking to investors, creating a project plan, project presentation
Main goal	Bridging the gap between what is feature-desirable according to investors and what is technically possible according to developers

Role	Backend Developer
Role Description	A backend developer writes the backend code of the software in a way that analyzes and uses efficient code to solve problems.
Expertise	Backend languages, databases, APIs
Responsibilities	Creating, maintaining, and debugging backend code.
Main goal	Delivering a functional product with readable code.

Stakeholder Roles

Part Two

Developers

Role	UI / UX Designer
Role Description	A UI/UX designer writes the frontend code of the software to create the user interface.
Expertise	Visual design, creativity, wireframing
Responsibilities	Design research, prototyping, product structure
Main goal	Deliver an interactive product that will attract users.

Role	QA Tester
Role Description	A QA tester tests and evaluates software in development in order to catch bugs and glitches that would affect the user experience.
Expertise	Attention to detail, communication, problem-solving skills
Responsibilities	Test cases, reporting bugs, working with engineers to troubleshoot issues
Main goal	To prevent faulty software from reaching the end users by testing for errors

Stakeholder Roles

Part Two

Investors

Role	Investor
Role Description	An investor works with the software founders after considering the potential for success.
Responsibilities	Funding the project, researching the product industry
Main goal	To see a return on the investment through the success of the final product.

Users

Role	User
Role Description	A user is a person who uses the application to do political research on either legislation or legislators.
Responsibilities	Using the application to look up recent bills or people running for office.
Main goal	To fact-check potential misinformation that the user may have read or heard elsewhere.

Stakeholder Roles

Part Two

Competitors

Role	Competitor
Role Description	A competitor is any software that offers to perform similar research on legislators and bills to the same pool of users.
Responsibilities	Using their own software to provide information on bills and representatives.
Main goal	To compare and assess their application against our own with the intention of promoting their own work.

Goal Model

Part Three

Written by Leslie Ortega

Primary Goal

The diagram (Figure 2) below illustrates the structure in place that will allow the final application to reach all the requirements. The primary goal for Political Transparency App is to connect users with the most accurate legislative bills and representative information based on their area (limited to Long Beach, CA). The three subgoals: Usage, Business, and System will help produce the primary goal.

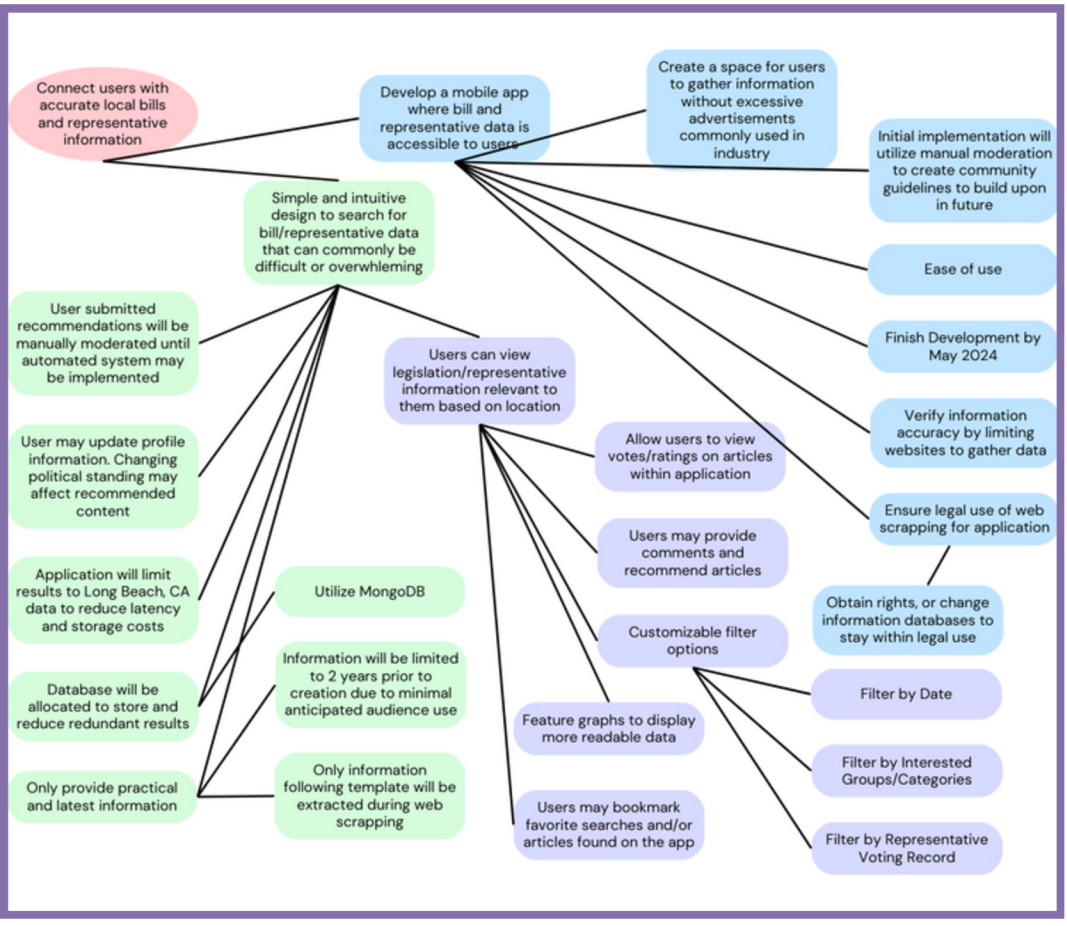


Figure 2

1. Usage

Goals that direct and describe how an application will be used. Must take into consideration common user expectations when using an app.

2. Business

Goals that dictate the main function of the application. Must be solidified and exhaustive in order to support primary goal.

3. System

Goals that outline the implementation of the applications by users. Must ideally comply with both functional and design expectations.

Part Four

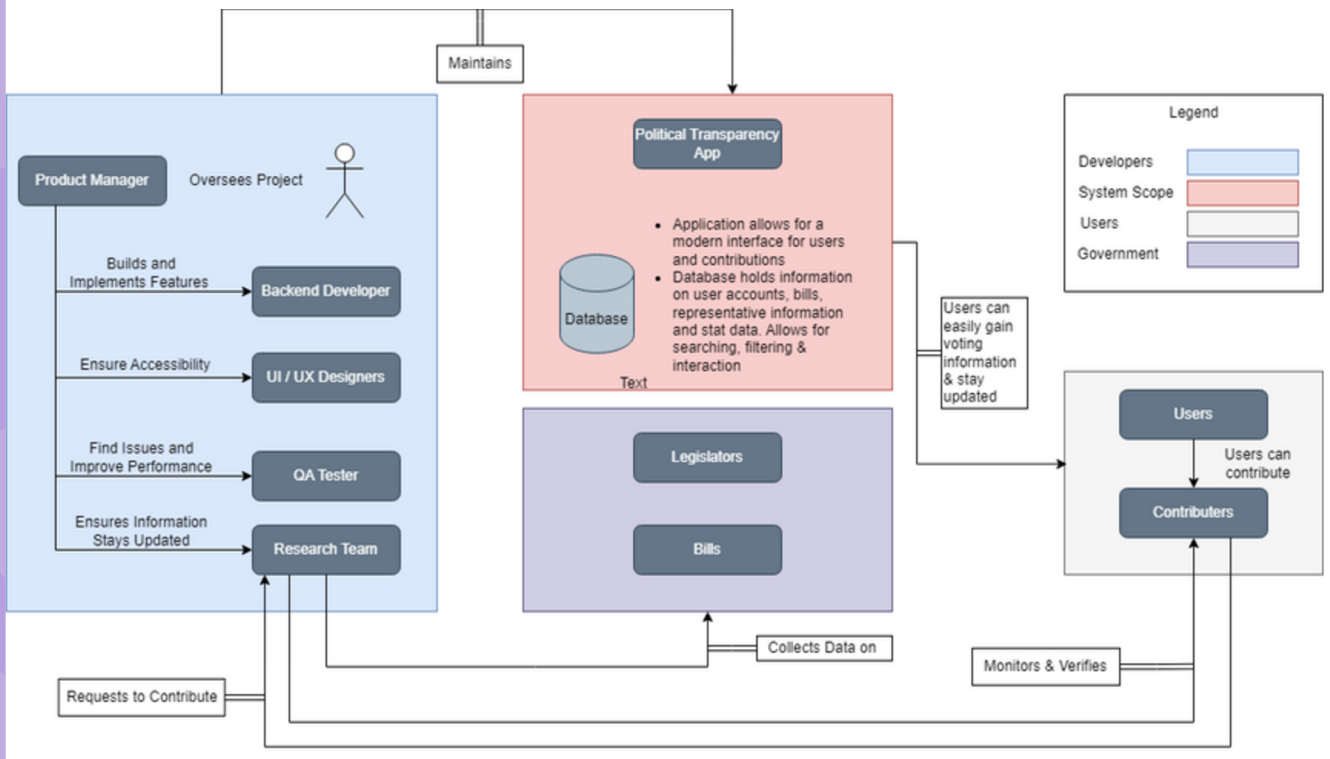
System Vision

By Bonnie White

Summary

The System Vision diagram below, defines the interactions between stakeholders and the system, elucidating how the system reciprocates communication. Developers play a pivotal role in crafting and upkeeping the entire system, addressing tasks ranging from mobile bug fixes to moderating requests. The system, in turn, furnishes a user interface catering to both users and contributors. Voters wield the system to gain infromation on bills and representatives, express their opinions, and contribute to article sharing. Each user can also modify their profile summary page, write reviews, and monitor their historical and current posts. Notably, all user login credentials, encompassing, are safeguarded within the system's database.

Diagram:



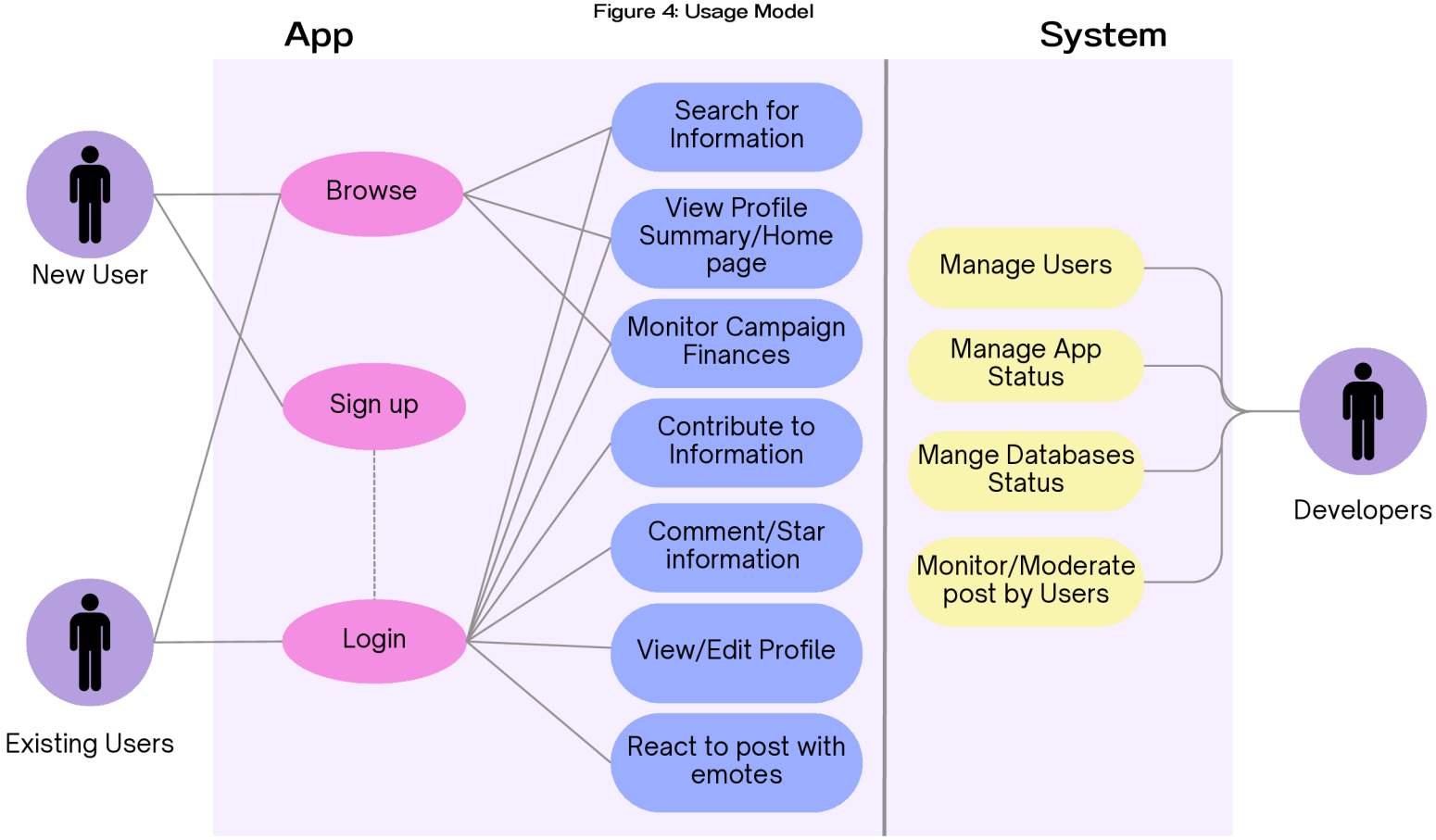
Usage Model

Part Five

Written by: Stefanie Nunez Castillo

The Usage Model (Figure 4) below describes how New Users, Existing Users, and Developers will interact with the System/App. Both new and existing users have the ability to sign up/login to an account or only browse the app. However, if they are just browsing, the user cannot access various features such as contributing to, commenting on, starring, and reacting to the information. All users can search for bills, representatives, and campaign finance information. Developers are responsible for maintaining and managing the users, app, database status, and moderating posts by users.

Figure 4: Usage Model



Use Cases

USE CASE #1	*User Registration*
Goal in Context	Allow users to create an account on the platform.
Scope & Level	Primary Task
Preconditions	Users that do not have an account and want to create an account.
Success End condition	The user's account is created successfully, and they are logged in.
Failed End condition	The user's account creation is unsuccessful, and they are not logged in.
Primary, Secondary Actors	Primary actor: User Secondary actor: System
Trigger	The user clicks on the "Sign Up" button.
Description	Step | Action
	1. The user is prompted to Sign up. 2. The user enters their personal information, including name, email, and password. 3. The system validates the information and creates a new user account.
Extensions	Step | Action
	2a. The user information does not meet the requirements/is missing and is prompted to re-enter it. 2a. If the user enters an email address that is already registered, show a message. • User Login

Exceptions	Step | Action
	2a. If there is a technical issue preventing account creation, show an error message and suggest trying again later.
Related Information	Priority: High Performance: About 1-2 minutes Frequency: Weekly Channels to Actor: Interactive
Open Issues	1. How will we validate the user's data?
Due Date	May 2024

USE CASE #2	*User Login*
Goal in Context	Registered users can log in to their accounts.
Scope & Level	Primary Task
Preconditions	The user has a registered account.
Success End condition	The user is successfully logged in, and they can access their account.
Failed End condition	The user's login attempt is unsuccessful, and they remain logged out.
Primary, Secondary Actors	Primary actor: User Secondary actor: System
Trigger	User clicks login icon.
Description	Step | Action
	1. The user is prompted to Login. 2. The user enters their email and password. 3. The system validates the login credentials. 4. The user will be logged in and can view their profile.
Extensions	Step | Action
	2a. If user forgets/incorrectly enters their password, show an error message. 2a. If the user's information is not in the database, show a message that prompts user to Sign up. • User Sign up
Exceptions	Step | Action

	N/A
Related Information	Priority: High Performance: Less than 1 minute Frequency: Weekly Channels to Actor: Interactive
Open Issues	1. What will we do if the user forgets password?
Due Date	May 2024

USE CASE #3	*Campaign Finance Monitoring*
Goal in Context	Users can track political donations and campaign spending, ensuring transparency in political funding. They can view graphs and articles related to campaign finance.
Scope & Level	Primary Task
Preconditions	None
Success End condition	The user can access campaign finance data, including graphs and articles.
Failed End condition	The user cannot access campaign finance data.
Primary, Secondary Actors	Primary actor: User Secondary actor: System
Trigger	The user selects the "Campaign Finance Monitoring" option in the menu.
Description	Step | Action
	1. The user clicks on the "Campaign Finance Monitoring" option. 2. The system fetches and displays data on political donations and campaign spending. 3. Users can view graphs and articles related to campaign finance. 4. Users can interact with the data, such as filtering by candidate or party.
Extensions	Step | Action
	1. User can star the information.
Exceptions	Step | Action

	1. If there is a data source failure, display an error message and suggest trying again later.
Related Information	Priority: High Performance: Seconds Frequency: Daily Channels to Actor: Interactive, database
Open Issues	1. How will we verify the data and its source?
Due Date	May 2024

USE CASE #4	*Representative Accountability*
Goal in Context	Users can monitor the voting records of selected representatives to hold them accountable for their actions.
Scope & Level	Primary Task
Preconditions	none
Success End condition	The user can access and review the voting records of selected representatives.
Failed End condition	The user cannot access the voting records of selected representatives.
Primary, Secondary Actors	Primary actor: User Secondary actor: System
Trigger	The user selects the "Representative Accountability" option in the menu.
Description	Step | Action
	1. The user clicks on the "Representative Accountability" option. 2. The user can search for, filter and select specific representatives they want to view. 3. The system displays the voting records of the selected representatives, including their votes on various bills and issues.
Extensions	Step | Action
	1. User can star the information.
Exceptions	Step | Action

	If there is a data source failure, display an error message and suggest trying again later.
Related Information	Priority: High Performance: Seconds Frequency: Daily Channels to Actor: Interactive, database
Open Issues	1. How will we verify the data and its source?
Due Date	May 2024

USE CASE #5	*Opinion Sharing*
Goal in Context	Users can share their opinion with short bits of text under bills and representatives
Scope & Level	Summary
Preconditions	1. User text is under character limit 2. User has an account
Success End condition	User's opinion appears as text under a bill or representative
Failed End condition	User's opinion does not appear as text under a bill or representative
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User clicks text box icon to write opinion in
Description	Step | Action
	1. User selects bill / representative page 2. They click on text box icon to initiate Opinion action 3. User writes opinion 4. User submits opinion 5. System saves opinion to database 6. Opinion displays on bill / representative page
Extensions	Step | Action
	None
Exceptions	Step | Action

	4a. User opinion is flagged by system for rule violation and not displayed on the bill / representative page
Related Information	Priority: High Performance: Seconds Frequency: High Channels to Actor: Interactive
Open Issues	1. How will we be flagging abusive comments?
Due Date	May 2024

USE CASE #6	*Emote Reaction*
Goal in Context	Users can react to bills and representatives & comments with descriptive emotes
Scope & Level	Subtask
Preconditions	1. User selects page to interact with 2. User has an account
Success End condition	User has left visual emote on bill, representative or comment
Failed End condition	The user has not left behind a visual emote
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User clicks on emote icon
Description	Step | Action
	1. User selects bill, representative or comment page 2. User clicks on emote icon 3. Database saves emote associated with page 4. System displays emote on page
Extensions	Step | Action
	2a. User clicks on emote icon after prior interaction 2b. New user emote saved to database 2c. Database replaces old emote with new 2d. System displays updated emote on page
Exceptions	Step | Action

USE CASE #7	*Comment Editing*
Goal in Context	User can select one of their own comments to edit and submit again.
Scope & Level	Subtask
Preconditions	1. User must select comment to edit
Success End condition	User successfully submits edited comment.
Failed End condition	Comment does not appear with updated contents.
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User clicks on edit icon
Description	Step | Action
	1. User selects comment for revision 2. User updates comment and is able to view chances 3. User submits revised comment 4. System displays edited comment
Extensions	Step | Action
	3a. User receives notification that their revised comment is too long for submission 3b. User submits revised comment under character limit
Exceptions	Step | Action

	1a. User selects comment for revision 1b. User exits editing page without changing contents
Related Information	Priority: High Performance: Seconds Frequency: High Channels to Actor: Interactive
Open Issues	1. Should we show that comments have been edited if revision took place under small amount of time?
Due Date	May 2024

USE CASE #9	*Legislation Alert System*
Goal in Context	Receive notifications about upcoming bills and policies.
Scope & Level	Primary Task
Preconditions	Must opt-in
Success End condition	User will receive notifications.
Failed End condition	User will not receive notifications or the correct notifications.
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	None, must simply select to opt-in notifications in profile settings
Description	Step | Action
	1. The user clicks on “Receive Notifications” options. 2. The user will select “Legislation” and/or “Representative” information checkbox. 3. When new information is updated into the application, the user will automatically receive a notification.
Extensions	Step | Action
	None
Exceptions	Step | Action

	None
Related Information	Priority: Medium Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Database, Profile Local Memory
Open Issues	None
Due Date	May 2024

USE CASE #10	*Users' contribution to representative data*
Goal in Context	Users can contribute to representative information.
Scope & Level	Sub Task
Preconditions	None
Success End condition	User contributions for representative information will be approved and displayed in application.
Failed End condition	User cannot submit representative information to be reviewed.
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User must select to comment article they would like to submit.
Description	Step | Action
	1. The user must search an article within application under representative data. 2. The user will select representative article. 3. User will select the comment/attachment icon. 4. User will paste url of data to be submitted. If the data is not already online, user must upload information onto a sharable website link.
Extensions	Step | Action
	1. User will wait for approval my manual moderators. 2. If approved, user may expect to see their submitted data displayed on the application as an attachment to the initial article.
Exceptions	Step | Action

	None
Related Information	Priority: High Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Moderation
Open Issues	1. Submission process will be manually moderated initially. However, as the user base expands, an automation process must be created and implemented.
Due Date	May 2024

USE CASE #11	*Users' contribution to bill data*
Goal in Context	Users can contribute to bill information.
Scope & Level	Sub Task
Preconditions	None
Success End condition	User contributions for legislation information will be approved and displayed in application.
Failed End condition	User cannot submit legislation information to be reviewed.
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User must select to comment article they would like to submit.
Description	Step | Action
	1. The user must search an article within application under legislation data. 2. The user will select legislation article. 3. User will select the comment/attachment icon. 4. User will paste url of data to be submitted. If the data is not already online, user must upload information onto a sharable website link.
Extensions	Step | Action
	1. User will wait for approval my manual moderators. 2. If approved, user may expect to see their submitted data displayed on the application as an attachment to the initial article.
Exceptions	Step | Action

	None
Related Information	Priority: High Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Moderation
Open Issues	1. Submission process will be manually moderated initially. However, as the user base expands, an automation process must be created and implemented.
Due Date	May 2024

USE CASE #12	*User Settings Page*
Goal in Context	Users can view and chose, if available, to modify account settings
Scope & Level	Sub Task
Preconditions	Must be signed into account
Success End condition	User can see the options and change account settings.
Failed End condition	User cannot load and view the account settings page, nor make changes.
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User must select account settings from navigation menu.
Description	Step | Action
	1. The user must navigate to account settings page from menu. 2. The user will view the current account settings. 3. User will select the component icon of setting they would like to change.
Extensions	Step | Action
	None

Exceptions	Step | Action
	None
Related Information	Priority: Low Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Moderation
Open Issues	1. Restricted changes to email/password settings due to using Google Account framework to handle accounts.
Due Date	May 2024

USE CASE #12	*Search for keywords of Bills*
Goal in Context	Display bills to the user depending on the bill category relevant to the user search query
Scope & Level	Subtask
Preconditions	None
Success End condition	Returns a list of bills to the user relevant to their search query
Failed End condition	Search fails to return relevant matches, or any matches at all
Primary, Secondary Actors	Primary: User Secondary: system
Trigger	User enters their search query
Description	Step | Action
	1.User types in search bar 2.User submits search 3. System looks for matching bills based on search keywords 4.System returns bills with keywords highlighted in bill description
Extensions	Step | Action
	4a. System returns message that there are no matches 4b. User is given the option to contribute information to a bill within application
Exceptions	Step | Action

	4a. System returns message that there are no matches
Related Information	Priority: High Performance: Seconds Frequency: High Channels to Actor: Search view
Open Issues	1. Should user raise flags about bills that exist and we do not have?
Due Date	May 2024

USE CASE #13	*Open API Access*
Goal in Context	Provides an open API for researchers and developers to access and analyze political data, fostering innovation and research in political science.
Scope & Level	Sub Task
Preconditions	Database Filled
Success End condition	API Endpoints are available, tested, and ready
Failed End condition	APIs not complete, database not full, unsecure API,
Primary, Secondary Actors	Primary Actor: Other web developers, researchers, data scientists
Trigger	User implements API to their product and requests access
Description	Step 1 | API users set up their platform for endpoint access
	Step 2 | Our API responds with important, well organized data
	Step 3 | API Users take information and display it for their project
Extensions	N/A
Exceptions	N/A

Related Information	Priority: Low Performance: Seconds Frequency: As needed Channels to Actor: Internet
Open Issues	1. Will our database be developed enough to have useful information 2. Security so not everyone can access willy nilly
Due Date	May 2024

USE CASE #14	*User Search to Find Representatives*
Goal in Context	1.Search tool that can show representatives based on area, alignment, etc...
Scope & Level	Primary Task
Preconditions	Fair amounts of data to display, front end designed, data categorized and labeled
Success End condition	Users are able to type in a name and find information on that representative and app brings them to information page
Failed End condition	Search function process flow does not work, finding people is hard
Primary, Secondary Actors	Primary: Users
Trigger	Someone interacts with the search bar section in the mobile app
Description	Step 1 | User selects search bar and types in representative name
	Step 2 | System intakes information and forms a query for the page
	Step 3 | Displays Matches for search query & Navigates to information
Extensions	N/A
Exceptions	Bad input displays No Results

Related Information	Priority: High Performance: Seconds Frequency: Every interaction Channels to Actor: GUI
Open Issues	1.A functioning real time search function is needed
Due Date	May 2024

USE CASE #15	*Filter representatives*
Goal in Context	Displays representatives based on filters given
Scope & Level	Primary Task
Preconditions	Filled Database, Working Frontend, Organized and labeled data, timestamp
Success End condition	Results display and process flow brings user to information page
Failed End condition	Incorrect results / Broken Search Button / Bad data
Primary, Secondary Actors	Primary: Users
Trigger	Interaction and n
Description	Step 1 | User Selects filters from filter menu dropdown
	Step 2 | User Clicks Apply
	Step 3 | User Sees a result page with correct results
Extensions	N/A
Exceptions	No results fit filters, display no results

Related Information	Priority: High Performance: Seconds Frequency: Most Uses Channels to Actor: GUI
Open Issues	Data must be collected correctly
Due Date	May 2024

USE CASE #16	*User Search to Find Bills*
Goal in Context	1.Search tool that can show bills based on area, alignment, etc...
Scope & Level	Primary Task
Preconditions	Fair amounts of data to display, front end designed, data categorized and labeled
Success End condition	Users are able to type in a name and find information on that representative and app brings them to information page
Failed End condition	Search function process flow does not work, finding people is hard
Primary, Secondary Actors	Primary: Users
Trigger	Someone interacts with the search bar section in the mobile app
Description	Step 1 | User selects search bar and types in bill name
	Step 2 | System intakes information and forms a query for the page
	Step 3 | Displays Matches for search query & Navigates to information
Extensions	N/A
Exceptions	Bad input displays No Results

Related Information	Priority: High Performance: Seconds Frequency: Most Uses Channels to Actor: GUI
Open Issues	Data must be collected correctly
Due Date	May 2024

USE CASE #17	*Representative Page*
Goal in Context	Display Representative information such as contact, voting record, etc
Scope & Level	Primary
Preconditions	1. User selects representative page to interact with
Success End condition	User can view and interact with Representative page
Failed End condition	Representative page is unavailable to view or interact
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User clicks on representative page
Description	Step | Action
	1. User selects representative page 2. Representative page displays available representative data
Extensions	Step | Action
	N/A
Exceptions	Step | Action

	None
Related Information	Priority: High Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Moderation
Open Issues	1. Critical that this page is implemented successfully due to how many use cases depend on its functionality
Due Date	May 2024

USE CASE #18	*Bill Page*
Goal in Context	Display bill information such as summary, title, voting record, etc
Scope & Level	Primary
Preconditions	1. User is on a page which links to a bill page
Success End condition	User can view and interact with Bill page
Failed End condition	Bill page is unavailable to view or interact
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User clicks on bill page
Description	Step | Action
	1. User selects bill page 2. Bill page displays available bill data
Extensions	Step | Action
	N/A
Exceptions	Step | Action

	None
Related Information	Priority: High Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Moderation
Open Issues	1. Critical that this page is implemented successfully due to how many use cases depend on its functionality
Due Date	May 2024

USE CASE #19	*Profile Page*
Goal in Context	Display user information such as email address, icon, settings, etc
Scope & Level	Primary
Preconditions	1. User has registered for an account
Success End condition	User can view and interact with Profile page
Failed End condition	Profile page is unavailable to view or interact
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User clicks on profile page button
Description	Step | Action
	1. User clicks on profile page button 2. Profile page welcomes user to logged in account
Extensions	Step | Action
	N/A
Exceptions	Step | Action

	2b. User navigates to user details 3b. User navigates to user settings 4b. User navigates to favorites page
Related Information	Priority: High Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Moderation
Open Issues	1. There are a lot of pages within Profile page so need to account for time needed to implement this use case.
Due Date	May 2024

USE CASE #20	*About You Subpage*
Goal in Context	Chat bot will be able to answer simple questions posed by user
Scope & Level	Subtask
Preconditions	None
Success End condition	User can view and interact with Chat bot; chat bot gives correct information
Failed End condition	User cannot interact with Chat bot or chat bot answers incorrectly.
Primary, Secondary Actors	Primary: User Secondary: System
Trigger	User clicks on chat bot interface
Description	Step | Action
	1. User clicks on profile page button 2. User enters question into text box 3. Question runs to database 4. Database fetches answer 5. Database sends answer to Chat bot 6. Chat bot displays answer to user
Extensions	Step | Action
	N/A
Exceptions	Step | Action

	N/A
Related Information	Priority: High Performance: Seconds Frequency: Fluctuates Channels to Actor: Interactive, Moderation
Open Issues	1. Still unsure of how chat bots are implemented, we need to research into this further.
Due Date	May 2024

USE CASE #21	*Home Page*
Goal in Context	Displays Announcements, Updates, Activities, Welcome messages, User Summaries etc...
Scope & Level	Primary
Preconditions	Organized Data, Functioning UI, Filled Database, Backend Working
Success End condition	User can see Annoucments, And Posts on their Home, Updates to things
Failed End condition	Incorrect or incomplete result displays
Primary, Secondary Actors	Primary: Users
Trigger	User Clicks the Home button on the nav bar, landing page
Description	Step 1 | User Logs in
	Step 2 | User Lands on page
	Step 3 | User can see all the updates and annoucements for the app
Extensions	N/A
Exceptions	No actitivy, display a welcome message

Related Information	Priority: High Performance: Seconds Frequency: Most Uses Channels to Actor: GUI
Open Issues	Decide what to display, what is important, how we want it, API working
Due Date	May 2024

USE CASE #22	*Filter Bills*
Goal in Context	Displays bills based on filter buttens selected
Scope & Level	Primary
Preconditions	Organized Data, Functioning UI, Filled Database
Success End condition	Results filter correctly and minimize result pool for user
Failed End condition	Incorrect or incomplete result displays
Primary, Secondary Actors	Primary: Users
Trigger	User Interacts with Menu Options
Description	Step 1 | User Selects filters from filter menu dropdown
	Step 2 | User Clicks Apply
	Step 3 | User Sees a result page with correct results
Extensions	N/A
Exceptions	No results fit filters, display no results

Related Information	Priority: High Performance: Seconds Frequency: Most Uses Channels to Actor: GUI
Open Issues	Data must be collected correctly
Due Date	May 2024

Functional Requirements

Part Seven

Interactions with working & Organized Database

- Verified Information on Bills and Representatives
- Working queries between API and GUI
  - Read, Write, Delete
- Data is well organized, labeled, and normalized
- Data on users and their information is in a safe spot
- Public API available

Functioning GUI

- Home Page, landing page for users initially getting on the app
- Login / Registration Page
- Representative Home page
- Representative detail pages
- Bills Home page
- Bill detail pages
- Profile Home Page
- Profile detail Pages

User Registration & Login

- Login Proces flow
- Registration Process flow
- Function authentication tools
- Secure login

Non-Functional Requirements

Part Eight

Quality

- Ensure information displayed in application is accurate
  - Limited sources, those verified as impartial and correct, to scrap data
  - Manual moderation will initially be used to update user submitted data until it can be automated while still following guidelines
- Information displayed in simple and streamlined structure
  - Application will have minimal distractions
  - Will remove irrelevant data when sourcing databases
- Application must be easy and intuitive to use
  - Filter data to follow template, creating a standardized user interface
  - Limit search filter options, as well as limiting data to maximum 2 years prior in order to prioritize latest information

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Constraints

- Funding. Based on the amount of information we will be presenting we need multiple servers.
- Time. Based on the amount of features, time will be a constraint.
- Learning UX design and app development.
- Finding trustworthy sources for political information.
- Researching data visualization and color theory for political information.

Development Process

- Complete documentation that includes functional and technical specifications
- Research languages, frameworks, and technologies for project
- Establish development environment
- Establish database management system

Non-Functional Requirements

Part Eight

Development Process (continued)

- Prototype user interface system
  - Create mockups to visualize how user interface will look
- Begin software development emphasizing efficiency and maintainability
- Test software
- Release software
- Maintain software via regular updates

Political Transparency App

Question & Information

N/A

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None