Expressionary

Team 21 - Sprint 1 Planning Document

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Sprint Overview

This sprint we are aiming at creating a strong foundation. This will allow us to build on this foundation in the later sprints. The main focus of this sprint will be to get a server set up, as well as set up the database. We want to reach a point where the server can communicate with the database. We also want to have something running on our server, so we will be designing an example word page, and a page for our search engine. The search engine is the third largest component of this sprint. We want to have some basic functionality for a search engine that can be polished in later sprints.

Scrum Master: Michael Quade

Meeting Plan: Monday and Friday 2:30 pm-3:20 pm

Risks and Challenges:

The most prevalent challenge we face going into this sprint is a lack of experience. Amongst the four of us, we have a miniscule amount of Javascript coding, SQL setup, and working with various Javascript packages. Most of the things being done in this sprint will require learning a package or method. We also need to learn how we are going to work together. We are going to have to become familiar with the functionalities of Git and understand how to link our progress together. Finally, we will have to make sure to manage our time wisely, as most of us are involved in other time intensive classes and extracurricular activities.

Current Sprint Details

User story #1

As a user, I would like to be able to post definitions, captions, etc. so that I may compete with other users on the site/program.

#	Description	Time	Owner
1	Set Up a front end page that displays a word and a field to post a definition.	4	Alex
2	Establish a connection between a client and the server	3	Michael
3	Have functioning POST request to send definition to database	3	Syed
4	Properly encode post data for storage in the database	4	Ayush
5	Have database store the word in the correct table	3	Ayush
6	Have functioning GET request to display definitions on the page	3	Michael

Acceptance Criteria:
- User should be able to post a new definition.
- Screen should be updated to reflect this
- Database should show a new entry in the appropriate table

User story #2

As a user, I would like to have a search engine so that I can easily find entries on the site that I am interested in.

#	Description	Time	Owner
1	Create search box in the GUI to facilitate the search and allow users to type in a word to search for	2	Alex
2	Send request to the database to search through the table for the specified word	5	Ayush
3	If word is found, send the client to the link of that word page	3	Syed
4	Write logic to show an error message when a word is not found	3	Syed

Acceptance Criteria:
- Search engine should send a request to the server
- Server forms correct command to query the database for requested word data
- GUI should update to reflect the results of the query

User story #3

As a user, I would like a random word option so that I may explore different words on the website so that I can discover words I may not have thought of before.

#	Description	Time	Owner
1	Display a button that will initiate the random word function	1	Alex
2	Create a random word function in the server that sends randomized index to the database	2	Syed
3	Have functioning GET request to get the correct random word page or error if no such page was found	4	Michael
4	Redirect the user to the word page	2	Alex

Acceptance Criteria:
- GUI contains a random word button
- Server calculates a random index and queries the database
- GUI changes to reflect the results of the query

User story #4

As a user, I would like to see the name of the contributor next to the submitted definition so that I can find their other content.

#	Description	Time	Owner
1	Have a functioning GET request that receives the user associated with a definition from the database	5	Ayush
2	Design a field on the page to display the contributor's username.	2	Alex

Acceptance Criteria:
- Database stores Id information of the contributor in the post information
- Server is able to retrieve username from appropriate table using embedded contributor id
- GUI changes to reflect the result.

User story #5

As a developer, I would like a "Developer's Update" page where I can share our latest changes to the website so that the users can be informed about all of the on-goings with the further development of the site.

#	Description	Time	Owner
1	Create a developers update page	3	Alex

2	Create fields that allow users to sign up for the mailing list	2	Alex
3	Store mailing list in the database	3	Ayush
4	Manual test that the email system is successfully sending emails to the stored addresses	2	Michael

Acceptance Criteria:
- Developers update page exists
- Server fetches the 3 most recent updates from archive
- GUI displays updates with the most recent on the top of the page

User story #6

As a developer, I would like a database that contains all user profiles, words, images, etc. so that I can easily access this data for future development.

#	Description	Time	Owner
1	Create a storage space with MySQL	4	Ayush
2	Create tables for different fields (users, words, etc)	4	Ayush
3	Initialize the database link with the server	4	Michael
4	Unit Testing	5	Syed

Acceptance Criteria:
- Database contains tables for user profiles, words, images, etc.
- Data is accessible is an orderly fashion
- Server is able to query these tables from the database

User story #7

As a user I would like to be able to see the latest words so that I can add my contributions as soon as words are added.

#	Description	Time	Owner
1	Add new word entries to the database	2	Ayush
2	GET request to display recently added words on a page	4	Michael
3	Ability to click on the words and be taken to their page	3	Syed
4	Create a latest words page	3	Alex

Acceptance Criteria:

- Server queries database for latest words
- Server fetches their links to be displayed
- GUI updates to reflect the results of the query

User story #8

As a user, I would like a contact page so that I can send bug reports or suggestions to the developers so that the bugs I find get patched.

#	Description	Time	Owner
1	Create functionality to send emails to contact email	4	Michael
2	Display fields for Name, email, and a message to send to our contact email.	2	Alex
3	Setup POST request to send that information to our contact email	5	Michael
4	Inspection and Manual Testing to make sure our contact email is receiving the information	2	Michael

Acceptance Criteria:
- Contact page exists and contains the necessary fields
- Server sends message to email server

User story #9

As a user, I would like to be able to up- and down-vote posts so that I may contribute to the rankings of the posts on the site/program.

#	Description	Time	Owner
1	Create a system in the database to store definitions with said up/down votes in a point variable	3	Ayush
2	Create display and buttons for the user to be able to vote on a definition	3	Alex
3	Write logic to only have registered Users post votes, which will be a posting requirement in sprint 2	3	Syed
4	Create text box and show the user the up/down votes for said definition, allowing user to view the up/down votes for each definition	3	Alex

Acceptance Criteria:
- Every post has an up and down vote button
- Every post has a point total associated with it
- Database updates the point values

User story #10

As a user, I would like to also be able to use the search engine to look for specific users so that I can find users whose other content I'd like to see.

#	Description	Time	Owner
1	Expand search bar to be able to search for users	2	Syed
2	Create appropriate GET and POST requests	3	Syed
3	Write logic to search the desired user efficiently	3	Syed
4	Write logic to handle cases where user doesn't exist	1	Syed

Acceptance Criteria:
- Database contains a set of user information
- Server can query the database for user information and generates results
- GUI updates to reflect the results of the query

Remaining Backlog

Functional

1. ~~As a user, I would like to be able to post definitions, captions, etc. so that I may compete with other users on the site/program.~~
2. As a user I would like to have my own unique username so that I can be easily identified.
3. As a user, I would like to be able to up- and down-vote posts so that I may contribute to the rankings of the posts on the site/program.
4. As a user, I would like to see the user leaderboard so that I can see how I compare with other users.
5. As a user, I would like to see the word leaderboard so that I can see the words that are receiving the most attention.
6. As a user, I would like the graphical interface to be clean and usable so that I can navigate and interact with the site easily
7. As a user, I would like to have a profile that stores my points and contributions so that I can easily keep track of all of my activity on the site.
8. As a user, I would like a page that is dedicated to showing me my profile and contributions so that I can see how I am performing compared to other users.
9. ~~As a user, I would like to have a search engine so that I can easily find entries on the site that I am interested in.~~
10. ~~As a user, I would like to also be able to use the search engine to look for specific users so that I can find users whose other content I'd like to see.~~

11. As a user, I would like to be able to register for an account on Expressionary so that I can create a user profile.
12. As a user, I would like to be able to login to my account on Expressionary so that I can access my user profile.
13. As a user, I would like to be able to manage my account, such as change my password or contact email if necessary so that my account remains secure.
14. As a user, I would like the option to receive emails related to my contributions on the website so that I can be up-to-date on my progress and impact on the site.
15. ~~As a user, I would like a random word option so that I may explore different words on the website so that I can discover words I may not have thought of before.~~
16. ~~As a user, I would like a contact page so that I can send bug reports or suggestions to the developers so that the bugs I find get patched.~~
17. ~~As a user, I would like to see the name of the contributor next to the submitted definition so that I can find their other content.~~
18. As a user, I would like to see the point total of the contributor next to the submitted definition so that I can compare myself with other users numerically.
19. As a user, I would like the ability to share a page to social media so that I can easily add my friends and share my activities and achievements on the site.
20. ~~As a developer, I would like a "Developer's Update" page where I can share our latest changes to the website so that the users can be informed about all of the on-goings with the further development of the site.~~
21. ~~As a developer, I would like a database that contains all user profiles, words, images, etc. so that I can easily access this data for future development.~~
22. If time allows, as a user, I would like to have a profile picture associated with my account so that I can be more easily recognizable to other users.
23. If time allows, as a user I would like to have the ability to make captions and descriptions for images on the site so that I have a more diverse base of content to interact with in the website.
24. If time allows, as a user I would like to be able to expand from words to phrases, quotes, lyrics and more so that I can diversify my experience and make interacting with the site more enjoyable.
25. ~~As a user I would like to be able to see the latest words so that I can add my contributions as soon as words are added.~~
26. As a user I would like to be able to view the website from my phone as well as computer so that I can make contributions to the site even when I am on the go.
27. If time allows, as a user I would like to be able to change wallpaper on my home page so that I can have a pleasing image to see on the website.
28. If time allows, as a user I would like to be able to add people as contacts so that I can keep up with their new content.
29. If time allows, as a user I would like to be able to change the organization of content on my home page so that I can make my homepage how I like.
30. If time allows, I would like to be able to have the search engine have an autocomplete feature so that I can find words that I don't know the spelling of.

31. If time allows, as a user I would like to have a spotlight feature that features important people so that I can feel inspired to get there too.
32. If time allows, I would like the website to learn my behaviour and understand me so that it can recommend words that I would like.

Non-functional

1. As a user, I would like to be guaranteed that my information will be kept encrypted so that I can use the site without being concerned for the safety of my information.
2. If time allows, as a user, I would like to make sure that no bots access the website and it can only be run through human interactions so that all users have a fair chance at getting points.
3. If time allows, As a user I would like the website to be fast and smooth (respond to any action within 200 ms) so that I can make content as much as I want, as quickly as I can.
4. If time allows, as a developer, I would like the search engine autocomplete to respond within 50ms of a keypress so that the users can easily navigate to pages that they are searching for.