



Expressionary

Team 21 - Sprint 2 Planning Document

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Sprint Overview

Last sprint we set up a good foundation for us to build an interactive website around. This sprint, we are looking to enhance the user experience. We are focusing on setting up a login system, as well as giving users a wholesome experience. Users will be able to view their post information and points; as well as edit existing user settings. We want to make it so the user feels like their account is useful for the site. We are also looking to clean up our code from the last sprint and make it more comprehensive. This will allow us to continue at a faster pace.

Scrum Master: Michael Quade

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

Risks and Challenges:

Our greatest challenge this sprint will be integrating the account system into our existing application. To get a basic foundation for our website, we went ahead without the need for user authentication in the first sprint. Now we will need to go through and make sure that we are tracking users correctly, and keeping them logged in as they browse different pages on the site. Also, with the database solidified, we will be have more people working towards the server and front-end, so we will have to adjust to the changing role dynamic in our group.

User story #1

As a user, I would like to be able to register for an account on Expressionary so that I can create a user profile.

| # | Description | Time | Owner |
|---|--|------|---------|
| 1 | Client has registration page | 2 | Alex |
| 2 | Registration page contains fields for email, username, password, first name, and last name | 3 | Alex |
| 3 | Server successfully enters that data as a new user entry in the database | 2 | Michael |
| 4 | Database can save the information without errors and notify server if it fails | 2 | Ayush |
| 4 | Unit / Manual testing | 3 | Syed |

Acceptance Criteria:

- User should be able to register if valid information is entered
- Error is shown if given invalid information

User story #2

As a user I would like to have my own unique username so that I can be easily identified.

| # | Description | Time | Owner |
|---|--|------|---------|
| 1 | Server checks if this username already exists and sends an error if it doesn't | 3 | Michael |
| 2 | Display error on registration page if username is already in use. | 2 | Alex |
| 3 | Database sets username parameter to unique | 1 | Ayush |
| 4 | Database stores username if it is unique | 2 | Ayush |
| 5 | Unit/Manual testing | 2 | Syed |

Acceptance Criteria:

- No username is repeated in the database
- Registration fails if attempting to use an existing username

User story #3

As a user, I would like to be able to login to my account on Expressionary so that I can access my user profile.

| # | Description | Time | Owner |
|---|---|------|---------|
| 1 | Add the login button, username field, and password field | 2 | Alex |
| 2 | Add functions to send and receive login information from/to the database. | 2 | Ayush |
| 3 | Create appropriate pages/messages once the user logs in/ if it fails | 2 | Michael |
| 4 | Display the webpage on the client side | 3 | Alex |
| 5 | Unit testing | 4 | Syed |

Acceptance Criteria:

- Client should reflect that the user is logged in
- User should now be able to submit definitions

User story #4

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 | Fix buttons from sprint 1 so they no longer require two clicks to increment/decrement the point total | 3 | Alex |
| 2 | Restrict button use to registered users | 3 | Alex |
| 3 | Make buttons function so they can only be used to give or take one vote from each registered user | 3 | Michael |
| 4 | Definitions will be ranked based on point total (showing at least the top 5), and will shift when one word passes another in score | 5 | Alex |
| 5 | Manual and unit testing | 3 | Syed |

Acceptance Criteria:

- User should be able to use the voting buttons as long as they are logged in
- User should only be able to contribute one vote to each post
- The GUI should update points when a button is pressed
- The GUI should update the order of the posts whenever a word switches positions with another post in points rank

User story #5

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.

| # | Description | Time | Owner |
|---|---|------|---------|
| 1 | Clicking on a user name will lead to their profile page | 2 | Alex |
| 2 | Make functions to access the user scores and other contributions from the database | 4 | Ayush |
| 3 | Profile page displays username, posts, and information associated with the posts pulled from the database | 3 | Michael |
| 4 | Unit testing | 4 | Syed |

Acceptance Criteria:

- Profile page exists
- Page displays username, posts, and associated information

User story #6

As a user, I would like to see the user leaderboard so that I can see how I compare with other users.

| # | Description | Time | Owner |
|---|--|------|---------|
| 1 | Display the user leaderboard on home page | 3 | Alex |
| 2 | User leaderboard shows at least the 5 top users and updates as point totals change | 6 | Michael |
| 3 | Functions to update/modify/access the users with most points from the database | 4 | Ayush |
| 4 | Users are printed in order of most points to least points | 5 | Ayush |
| 5 | Unit/Manual testing | 4 | Syed |

Acceptance Criteria:

- Leaderboard appears on the homepage
- Leaderboard displays at least the top 5 users
- Leaderboard users are in the correct order

User story #7

As a user, I would like to see the word leaderboard so that I can see the words that are receiving the most attention.

| # | Description | Time | Owner |
|---|--|------|---------|
| 1 | Display the word leaderboard on the home page | 3 | Alex |
| 2 | Word leaderboard shows the top 5 words with the most points given or taken to posts on that page | 4 | Michael |
| 3 | Update word page point total in database whenever a post receives a vote. | 3 | Michael |
| 4 | Make pressing the word take you to the page | 3 | Ayush |
| 5 | Unit/Manual testing | 4 | Syed |

Acceptance Criteria:

- Leaderboard should appear on the homepage
- Leaderboard displays at least the top 5 words according to the given criteria
- Clicking on the word successfully redirects client to the corresponding word page

User story #8

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.

| # | Description | Time | Owner |
|---|--|------|---------|
| 1 | Account Management page contains button to switch to an editable page | 1 | Alex |
| 2 | Button leads to a page with editable fields pre-populated with existing user information | 4 | Michael |
| 3 | Server checks validity of the information and throws error if there is a problem | 3 | Michael |
| 4 | Database reflects changed information | 3 | Ayush |
| 5 | Unit/Manual testing | 4 | Syed |

Acceptance Criteria:

- Button for edit mode exists
- Fields are prepopulated with existing information
- Server checks validity before updating the database

User story #9

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.

| # | Description | Time | Owner |
|---|---|------|---------|
| 1 | Have an option to receive emails related to your contributions on the account page | 3 | Ayush |
| 2 | Change database structure to accommodate this feature | 3 | Ayush |
| 3 | Email is sent to the user every time they post as a reminder, along with their current point total. | 4 | Michael |
| 4 | Manual testing to make sure emails are being sent | 2 | Syed |

Acceptance Criteria:

- Users can select the option to receive email notifications about their contributions
- Email is successfully sent to the user whenever they post a definition along with their current point total

User story #10

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.

| # | Description | Time | Owner |
|---|--|------|---------|
| 1 | Server displays point values reported from the database | 3 | Michael |
| 2 | Server correctly updates the database values when points are incremented or decremented. | 3 | Michael |
| 3 | Unit/Manual testing | 3 | Syed |

Acceptance Criteria:

- Points are populated with database values when the page is created
- Points increment and decrement with properly in the GUI and in the database

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.