

Drinks with Friends

TEAM 19

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Sprint Overview

During this first sprint, the first goal of each team member is to successfully understand and build our respective systems. The systems will be carefully setup and tested alongside our fundamental functional stories. The development of our initial stories requires the database, UI, and server to be created and builds the skeleton for the rest of our stories. Therefore, we will create the basic aspects of our project like user accounts, login, establish the drink database, and searching.

Scrum Master: Paul Miller

Meeting Plan: Mondays/Wednesdays @ 6:00pm

Risks/Challenges:

The biggest challenge for the first sprint applies to every team member, and the challenge is learning the technologies we will be using. This will require a large portion of task time in the first sprint since it is essential to understand the system we are creating, so that we may set them up correctly. Incorrect setup in the large systems is a big risk since many following stories and tasks will rely on their respective system to be functional. Our stories are ordered so that our multi-platformed system can be setup in pieces so we may ensure functionality as we continue to develop.

Current Sprint Detail

User Story #1

As a user I would like to create/delete an account

#	Subtask	Hours	Developer
1	Setup React App	30 minutes (each)	E.J. & Rodrigo
2	Create Homepage	2 hours	E.J.
3	Create Registration Page	2 hours	E.J.
4	Write Frontend Registration Logic	1.5 hours	E.J.
5	Setup Java server	6 hour	Tim
6	Setup mySQL database	6 hours	Nick
7	Debug and Test whole database with unit tests	2.5 hour	Nick
8	Setup Spring Boot	5 hours	Tim
9	Save user in database	1 hour	Nick
10	Check unique username	1 hour	Nick
11	Debug and test user database table with unit tests	1 hour	Nick
12	Debug and test the frontend	1 hour each	E.J. & Rodrigo

Acceptance Criteria:

- Given that the basic implementations and setup of the project are done correctly, the front end should communicate correctly with the backend.
- Given that the implementations for creating an account are done correctly, be able to deny a user from creating another user with the same username.

- Given the mySQL database is implemented correctly, each table should be able to be inserted/selected/updated.
- Given Sprint Boot is implemented correctly, the the backend will be able to communicate with the frontend via HTTP requests.
- Given the user is saved in the database correctly, the user's login info should be stored to allow future logins.

User Story #2

As a user I would like to login/logout of my account

#	Subtask	Hours	Developer
1	Create Login Page	2 hours	E.J.
2	Create Logout Button on Homepage	30 minutes	E.J.
3	Verify user on login	2 hour	Paul
4	Test and Debug Frontend	1 hour	E.J.
5	Test and Debug user verification	1 hour	Paul

Acceptance Criteria:

- Given the user can access the login page, when the user enters their credentials, they should be able to log into their account.
- Given the user is already logged in, when the user clicks the logout button, they should be logged out of their account.
- Given the user's information is saved correctly, when the user logs back into their account, the user's data should be saved in the database.
- Given the user's information is entered and saved correctly, when the user attempts to log in and log out, they should be able to do so smoothly.

User Story #4

As a user, I would like to view my profile page

#	Subtask	Hours	Developer
1	Familiarize myself with the Semantic UI library	2 hours	Rodrigo
2	Create MyProfile page	4 hours	Rodrigo
3	Include all the needs of a profile page	2 hours	Rodrigo
3	Test and Debug MyProfile page	2 hours	Rodrigo

Acceptance Criteria:

- Given the profile page is implemented correctly, when a profile is loaded, all the data of a user profile should be rendered correctly.
- Given the inputs are implemented correctly, when a user tries to input incorrect/unacceptable data, the user will not be allowed to input such data.
- Given that the needs of a profile page might be updated in the future, when such features need to be added, then be able to have clean code with the ease of adding new elements when needed.
- Given the user does not fill out all parts of their profile, when or if they decide they want to, then they will be able to add information to their profile.
- Given the user fills out their profile, when or if they decide to remove data or change data in their profile, then they will be able to remove and change whatever data they would like.

User Story #5

As a user, I would like to see a light mode and a dark mode

#	Subtask	Hours	Developer
1	Create a button to switch between dark and light mode	1 hours	Rodrigo
2	Store saved mode setting for user in database	30 minutes	Nick
3	Test and Debug Frontend	1 hour	Rodrigo
4	Test and Debug mode query	1 hour	Nick

Acceptance Criteria:

- Given the way to store the user's setting is implemented correctly, when a page is loaded then, no pages should be loaded in the incorrect setting.
- Given each component is implemented correctly, when a component is rendered, no component should be a different color
- Given that the light/dark mode toggle button is implemented correctly, if the page is currently in dark mode, it will be changed to light mode and vice versa.
- Given that the light/dark mode button is implemented correctly, when a user tries to change their light/dark mode setting, a logged in user will be able to set either light or dark mode as their preference from their profile.
- Given that the light/dark mode setting is properly stored in the database, it will be set to the user's preference as soon as they navigate to the page.

User Story #6

As a user, I would like to make/change/reset my password

#	Subtask	Hours	Developer
1	Save/update password	3 hours	Nick
2	Debug and Test save/update password	2 hour	Nick
3	Learn and familiarize myself with React	4 hours	Paul
4	Create a “forgot password” button on the login page	2 hours	Paul
5	Create a forgot password page so the user can insert their credentials	3 hours	Paul
6	Have the user verify their username and email	2 hours	Paul
7	Send user email with a link to reset password	2 hours	Paul
8	Create a page where the user can enter a new password	2 hours	Paul

Acceptance Criteria:

- Given a user forgets or wants to reset their password, when the user clicks the “forgot password” button, then a new page is loaded.
- Given a user is on the “forgot password” page, when the user enters their credentials, then a message will appear that an email has been sent or their credentials are wrong.
- Given a user has entered their credentials, when their credentials have been verified, then

they will receive an email with a link to reset their password.

- Given a user has received the email with the reset link, when the user clicks the link, then the user will be able to enter a new password.
- Given a user has entered a new password, when the user clicks save, then the password in the database will be updated and saved.

User Story #8

As a user, I would like to change my username

#	Subtask	Hours	Developer
1	Create a “forgot username” button on the login page	2 hour	Paul
2	Verify user email	1 hour	Paul
3	Send user email with a link to reset username	1 hour	Paul
4	Save/Update username in database	2 hours	Paul

Acceptance Criteria:

- Given a user forgets or wants to reset their username, when the user clicks the “forgot username” button, then a new page is loaded.
- Given a user is on the “forgot username” page, when the user enters their credentials, then a message will appear that an email has been sent or their credentials are wrong.
- Given a user has entered their credentials, when their credentials have been verified, then they will receive an email with a link to reset their username.
- Given a user has received the email with the reset link, when the user clicks the link, then the user will be able to enter a new username.
- Given a user has entered a new username, when the user clicks save, then the username in the database will be updated and saved.

User Story #9

As a user, I would like my username/password to be remembered on this device

#	Subtask	Hours	Developer
1	Implement cookies to remember if a user wants to stay logged in	2 hours	Paul
2	Add a “Remember Me” button to the login page	30 minutes	E.J.
3	Test and debug frontend features	30 minutes	E.J.

Acceptance Criteria:

- Given the tracking has been implemented correctly, a user who selects the “Remember Me” option on the login page will be automatically logged in on subsequent visitations of the application
- Given the tracking has been implemented correctly, a user who did not select the “Remember Me” option on the login page will
- Given the cookies have been implemented correctly, they will expire after 30 days since the user’s last login.

User Story #10

As a user, I would like to add a profile picture

#	Subtask	Hours	Developer
1	Create a button to add/change a profile picture	2 hours	Rodrigo
2	Test and Debug	2 hours	Rodrigo
3	Save/update user profile photo	2 hours	Nick
4	Test and debug user profile photo query	1 hour	Nick

Acceptance Criteria:

- Given the button is working correctly, when an updated profile picture is rendered, then the picture is correctly any time the profile picture needs to be seen.
- Given the button is working correctly, when the front end sends the correct information, then the back end to update.
- Given the button is working correctly, when a user updates their profile picture, the page will refresh with the correct profile picture.
- Given that the profile picture is stored in the database correctly, it will appear in the database encoded as a base64 string.
- Given that the profile picture is uploaded correctly, it will be converted to a base64 string and sent to the backend in an HTTP request.

User Story #11

As a user, I would like to have and edit a bio

#	Subtask	Hours	Developer
1	Create a button to edit bio	1 hours	Rodrigo
2	Test and Debug	1 hours	Rodrigo
3	Save/update user bio	1 hour	Nick
4	Test and debug bio query	1 hour	Nick

Acceptance Criteria:

- Given the button is working correctly, when the back end requests a bio to render, then the updated bio should be loaded.
- Given the button is working correctly, when the bio is saved, the front end should correctly send the updated bio to be saved.
- Given the implementation is working correctly, when the process is called, then the front end and back end are communicating correctly.
- Given the button is working correctly, when the bio is updated, then the page will refresh with the updated bio.

User Story #12

As a user, I would like to add drink instructions

#	Subtask	Hours	Developer
1	Add text field to drink	2 hours	Rodrigo
2	Add data field to drinks in the database that allows for instructions to be seen	1 hour	Paul
3	Authenticate user to make sure user is only editing instructions for their own drinks	2 hours	Paul
4	Make user able to see instructions only if there are instructions to be seen	2 hours(each)	Paul / Rodrigo

Acceptance Criteria:

- Given the user is creating their own drink, when or if they would like to add instructions, then there will be a text box.
- Given the user has not provided instructions, when anyone goes to view the drink, then no instructions will be seen.
- Given the user has provided instructions, when anyone goes to view the drink, then instructions will be visible.
- Given the user wants to edit a drink, when they have been verified to edit the drink, then they will be able to see a text box to add instructions.
- Given the user has updated a drink that does not have instructions, when instructions have been added, then the instructions will become visible to everyone to see.

User Story # 19

As a user, I would like to access drinks without being logged in.

#	Subtask	Hours	Developer
1	Add a search bar to the Homepage	1 hour	E.J.
2	Add a drink of the day card to the homepage	2 hours	E.J.
3	Test and debug the fronted	1 hour	E.J.
4	Research “Drink of the Day” algorithm	5 hours	Tim
5	Implement “Drink of the Day” algorithm	3 hours	Tim

Acceptance Criteria:

- Given the homepage is implemented correctly, a user will be able to see a “Drink of the Day” as soon as they navigate to the page, even if they are logged out.
- Given the homepage is implemented correctly, a user will be able to click on the “Drink of the Day” and see its information.
- Given that the “Drink of the Day” algorithm is implemented correctly, a new drink should be displayed on the homepage every 24 hours.

User Story # 22

As a user, I would like to edit my drinks

#	Subtask	Hours	Developer
1	Create a way to access drinks published on profile	2 hours	Rod
2	Authentication to only edit your own published drinks	2 hours	Paul
3	Save updates in the database	3 hours	Paul
4	Create a post in feed showing a drink has been updated	2.5 hours	Rod

Acceptance Criteria:

- Given the back end communicates with the front end correctly, when the drink needs to be rendered, then the correct drinks and updates are rendered.
- Given that the authentication is set up correctly, when a user tries to edit another user's drink, then that user will not be able to edit someone else's drink.
- Given that the post is correctly updated, when the feed is rendered, then the user will be able to see the updated post in a feed.

User Story #23

As a user, I would like to add and publish my own drink recipe

#	Subtask	Hours	Developer
1	Create the Feed Page	2 hours	E.J.
2	Implement the ability to create a post	2 hours	E.J.
3	Send post data to the backend	1 hour	E.J.
4	Insert new drink into database	3 hour	Nick
5	Test and debug adding new drink query	2 hour	Nick

Acceptance Criteria:

- Given that the feed page was implemented correctly, users should be able to create a new post while on this page.
- Given that the 'create a post' section of the feed page is implemented correctly, a user will be able to select the text box and provide the data of their post.
- Given that the 'create a post' section of the feed page is implemented correctly, when a user submits a post, the frontend will send the data to the backend.
- Given that the backend was implemented correctly, it will store the post data that was sent from the frontend in the database
- Given that the database was implemented correctly, it will keep track of the date and time that the post was created.

User Story #26

As a user, I would like to search by drink

#	Subtask	Hours	Developer
1	Load the database with drink data	10 hours	Tim
2	Record a user's input to the search bar	1 hour	E.J.
3	Send a query with the user input to the backend	2 hours	E.J.
4	Test and debug the frontend search page	2 hours	E.J.
5	Display a neatly-formatted list of search results	3 hours	E.J.
6	Query searched drink from database	1 hour	Nick
7	Test and debug drink search query	1 hour	Nick
8	Test and debug drink field population	1 hour	Tim

Acceptance Criteria:

- Given that the search bar is implemented correctly, the user should be able to click on the search bar and provide text input to it.
- Given that the search bar is implemented correctly, the search bar should store the text that was entered.
- Given that the search bar is implemented correctly, it should send a query to the backend to retrieve a list of matching drinks.
- Given that the frontend is implemented correctly, the results should be displayed below the search bar once received from the backend.

- Given that the drinks have been loaded into the database correctly, the backend will be able to find them by name in the database by using SQL.

User Story #54

As a developer, I want to ensure that no accounts are made with people under 21

#	Subtask	Hours	Developer
1	Display a warning page to everybody that enters the website while not logged in.	1.5 hours	E.J.
2	Allow the user to confirm their age when registering for an account	2 hours	E.J.
3	Don't display this message when a user enters the website and is already logged in.	.5 hours	E.J.
4	Debug and Test the Frontend	1 hour	E.J.

Acceptance Criteria:

- Given that the warning message is implemented correctly, it will always be displayed if a user navigates to the page and is not logged in.
- Given that the warning message is implemented correctly, it will not be displayed if a user who is over 21 years of age is already logged in when they navigate to the homepage
- Given that the warning message is implemented correctly, it will disappear when the user clicks the "Yes, I am 21" option.
- Given that the warning message is implemented correctly, it will redirect the user off of our website and back to www.google.com if the user selects "No, I am not 21" option.

User Story #65

As a developer, I would like the interface to be self-explanatory and easy to navigate

#	Subtask	Hours	Developer
1	Test the UI with a user who has no experience on our project	1	Rodrigo
2	Watch someone interact with the UI and decide if it is easy to navigate	1	Rodrigo
3	Debug the issues found and change any issues on the specific UI	3	Rodrigo

Acceptance Criteria:

- Given the UI is created properly, when a user is testing the web app, then I should receive no questions and the tester can navigate easily.
- Given the UI is created properly, when a user is looking for a goal page then a minimum number steps to get there is achieved.
- Given there are no known bugs for testing, when a user tries to test the areas we would like to test, then all the areas we are testing should be functional in some way shape or form.

Backlog

1	As a user, I would like to create/delete an account
2	As a user, I would like to login/logout of my profile
3	As a user, I would like to add my all time favorite drink
4	As a user, I would like to view my profile page
5	As a user, I would like to see a dark and light mode
6	As a user, I would like to make/reset my password
7	As a user, I would like to change my username
8	As a user, I would like my username/password to be remembered on this device
9	As a user, I would like to add a profile picture
10	As a user, I would like to have and edit a bio
11	As a user, I would like to add other users to a friends list
12	As a user, I would like to add drink instructions
13	As a user, I would like to like/dislike drinks
14	As a user, I would like to like/dislike ingredients
15	As a user, I would like to see the username of a drink's publisher
16	As a user, I would like to see pictures of drinks
17	As a user, I would like the option to geo-tag drinks that I have had
18	As a user, I would like to have a map with all my geo-tagged drinks visible on my profile
19	As a user, I would like to access drinks without logging in
20	As a user, I would like to add drink recipes to a list of my liked drinks
21	As a user, I would like to remove drinks from my list of liked drinks
22	As a user, I would like to edit my drinks
23	As a user, I would like to add and publish my own drink recipe
24	As a user, I would like to search by user profile
25	As a user, I would like to search for bars/restaurants
26	As a user, I would like to search by drink
27	As a user, I would like to search by ingredients

28	As a user, I would like to see a list of all drinks
29	As a user, I would like to only search for drinks that are official (i.e. not added by another user)
30	As a user, I would like to view other user's profile pages
31	As a user, I would like to view other people's favorite drink
32	As a user, I would like to see other user's geo-tagged drinks when viewing their profile
33	As a user, I would like to see similar drinks when searching
34	As a user, I want to be notified when accounts I follow have posted
35	As a user, I would like to share posts via email/Twitter/Facebook
36	As a user, I would like to share drink recipes
37	As a user, I want a tab with drinks in the news
38	As a user, I would like to create a post with text/image
39	As a user, I would like to delete a post I made
40	As a user, I would like to search for a post
41	As a user, I would like to see price comparisons for bars/restaurants
42	As a user, I would like to tag bars/restaurants I have visited
43	As a user, I would like to see Yelp reviews for each bar/restaurant
44	As a user, I would like to see a random drink suggestions
45	As a user, I would like to receive drink suggestions based on drinks I have favorited
46	As a user, I would like to see the top drinks that users have favorited
47	As a bar/restaurant, I would like to have data on most popular drinks of the night
48	As a bar/restaurant, I would like to share pictures, drinks, and recipes
49	As a bar/restaurant, I would like to display our location
50	As a bar/restaurant, I would like to publish and update our menu
51	As a bar/restaurant, I would like to access and edit my account
52	As a bar/restaurant, I would like to create a company account
53	As a bar/restaurant, I would like to include the prices of drinks
54	As a developer, I want to ensure that no accounts are made with people under 21

55	As a developer, I want to implement a web scraper to find new stories about drinks
56	As a developer, I would like to categorize drinks
57	As a developer, I would like the application to be able to function on any browser
58	As a developer, I would like the application to be mobile friendly
59	As a developer, I would like to be able to save user/drink data to a local database
60	As a developer, I would like to save user preferences to the database
61	As a developer, I would like the application to run without crashing
62	As a developer, I would like the server to handle 25,000 requests simultaneously
63	As a developer, I would like the server response to be under 2 seconds
64	As a developer, I would like a page to be loaded under 5 seconds
65	As a developer, I would like the interface to be self-explanatory and easy to navigate
66	As a developer, I would like the user to have some power to customize their screen
67	As a developer, I would like the website to appear clear and organized to users
68	As a developer, I would like users to be able to choose if the application can access their location
69	As a developer, I would like user's data to be protected between server and client communication
70	As a developer, I would like to protect user's personal information from other users
71	As a developer, I would like to clean user input to prevent malicious attacks