

Sprint 2 Planning

Project Name: Eventor

Team 25 - Sean Rettig, Vance Menapace, Raul Lara-Concha

Sprint Overview

Overview:

During this sprint, we will continue our work from sprint one by completing the implementation for account management, post-management, and event creation. In addition, we hope to add social interaction features including the ability to search for user profiles, and to follow, block, and unblock users. We plan to implement the ability to view the posts of users you follow and interact with posts by liking and sharing them. Finally, we will introduce a comment system allowing users to leave comments on posts and manage their comments.

Scrum Master: Sean

Meeting Plan:

- Standups: Sunday @2:30pm and Thursday @6:30pm
 - Once classes end: Mondays and Fridays @1:30pm
- Other meetings: Wednesday @12:30pm

Risks and Challenges:

One risk in this Sprint will be completing our tasks evenly throughout the weeks. Our first week is pretty heavy with other responsibilities for all of us, and we are also starting sprint 2 with a few days less than 3 weeks. This might mean that we are more overwhelmed for other weeks, and will not complete our tasks with the same quality if we were not overwhelmed. Potential challenges may be encountered with creating the UI. Additionally, we have a lot of UI features that need to be implemented, and only one of us worked on UI in the previous sprint. We will need to revise our strategy of splitting up UI work.

Total hours: 90

Name	Hours
Vance	30
Sean	30

Raul	30
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Current Sprint Detail

Carry-Over

Functional User Stories Carried over from Sprint #1

User Story #1

As a user, I would like to be able to delete my account.

#	Description	Estimated Time	Owner
1	Frontend implementation of account deletion with the backend	1.5hr	Sean
2	Create testing for account deletion	1hr	Sean
		2.5hr	Total Hours

Acceptance Criteria:

1. Given that account deletion is implemented properly when a user deletes their account, all traces of the user should be cleared from the database and the user should not be discoverable in any way on the platform.
2. Given that a user successfully deletes their account, they should be able to create a new account with the same username that their deleted account had.
3. Given that a user has just deleted their account, their access token will be invalid on further page loads, and they will be redirected to the home page

User Story #2

As a user, I would like to be able to set the information on my profile, including a profile picture, display name, and a biography or status.

#	Description	Estimated Time	Owner
1	Frontend implementation of profile picture status, and biography, with the backend	2hr	Raul
2	Create testing	1.5hr	Sean
		3.5hr	Total Hours

Acceptance Criteria:

1. Given that the user has not yet set a biography or status, when the user navigates to their profile they should be presented with a temporary status/bio encouraging the user to update it.
2. Given that the frontend for updating profile information is implemented properly when a user clicks the edit bio/status button they should be able to edit their current status/bio.
3. Given that a user has updated any of their information like profile picture, display name, biography, or status they should be able to refresh the page and the changes should be reflected.

User Story #3

As a user, I would like to have a list of posts that I have created on my profile.

#	Description	Estimated Time	Owner
1	Debug and finish UI for individual posts showing in a list,	1.5hr	Raul
2	Frontend viewing posts integration with the backend	1.5hr	Sean
3	Create testing for viewing a list of posts on a profile	1hr	Sean
		4hr	Total Hours

Acceptance Criteria:

1. Given that the UI for a user's profile is implemented properly, when a user navigates to their profile, they should be presented with a field at the bottom of their page with a list of their posts.
2. Given that a user has not created any posts, when the user navigates to their profile they should be presented with a message indicating that they have no posts.
3. Given that the UI for the user's profile and post analytics is implemented properly, when the user views a list of their post on their profile they should be able to see their analytics such as likes, shares, and views of each post.

User Story #4

As a user, I would like the ability to attach an event to a post. Adding an address, description, event type, links, and other additional information.

#	Description	Estimated Time	Owner
1	Create UI for posting events	3h	Raul
2	Create Event schema and API endpoints	3hr	Vance
3	Create API documentation	30m	Vance
4	Connect frontend with backend	1.5hr	Sean
5	Create testing for posting an event	1hr	Vance
		9hr	Total Hours

Acceptance Criteria:

1. Given that the UI for posting events is implemented correctly, when a user accesses the feature to post an event, they should be presented with a form allowing them to enter details such as address, description, event type, links, and other relevant information.
2. Given that a user enters valid event information, when a user submits their event's information, the event should appear on their profile with all entered details.
3. Given that an event was successfully created when the event creation process is completed, the user should receive a visual confirmation message indicating that the event was created successfully.

User Story #5

As a user, I would like the ability to edit/delete posts that I have made.

#	Description	Estimated Time	Owner
1	Create the UI for editing and deleting a post.	2h	Raul
2	Connect frontend to backend for post editing	1.5h	Sean
3	Create testing for editing posts	1.5h	Vance
4	Frontend deleting posts integration with the backend	1.5hr	Sean
5	Create testing for deleting a post	1hr	Sean
		7.5h	Total Hours

Acceptance Criteria:

1. Given that the UI for editing posts is implemented properly, when the user wants to edit a post, they should be presented with text fields and other elements to enter updated information about their post/event.
2. Given that post-editing is implemented correctly when the user submits their edits, the post's data should be modified in the database and the post should be updated for all future views of the post.
3. Given that post-deletion is implemented correctly, when a user presses the delete button on one of their posts, that post should not be visible in other user's feeds.
4. Given that the UI for post-deletion is implemented correctly, when the user presses the delete button, their post should not be visible on their profile.
5. Given that post-deletion is implemented correctly, when a user successfully deletes a post, the user should not be able to edit the post.

Functional

User Story #6

As a user, I would like to be able to follow other users.

#	Description	Estimated Time	Owner
1	Create UI for following a user	1h	Raul
2	Add information to the schema and create API endpoints for following	1.5hr	Vance
3	Create API documentation	30m	Vance
4	Connect Frontend to backend	1.5hr	Sean
5	Create testing for following users	1hr	Vance
		5.5hr	Total Hours

Acceptance Criteria:

1. Given that the UI for following a user is implemented correctly, when a user views another user's profile, they should be presented with a button to follow that user.
2. Given that a user clicks the follow button on another user's profile, when the following process is complete the user's follower count should increase by 1.
3. Given that a user clicks the follow button on another user's profile when the following process is complete the 'Follow' button should be updated to say 'Following'
4. Given that the user is following another user, they should be able to navigate to their profile and click the 'Following' button to unfollow that user.

User Story #7

As a user, I would like to be able to have a feed of the most recent events posted by users that I follow.

#	Description	Estimated Time	Owner
1	Create a UI that shows a list of posts for all the users that you follow	3hr	Raul
2	Create a backend algorithm for generating an in-order list of events from people a user follows.	2.5hr	Sean
3	Create API documentation	30m	Sean
4	Connect Frontend to backend	1.5hr	Sean
5	Create Testing for showing the feed of most recent events	1.5hr	Sean
		9hr	Total Hours

Acceptance Criteria:

1. Given that the UI for the feed is implemented correctly, when the user visits their feed, they should see a list of posts from users they follow in reverse chronological order.
2. Given that the frontend is implemented correctly when a user scrolls through their feed, more posts (if available) should be loaded without requesting posts from the backend.
3. Given that the user is not following any users or none of the following users have made any posts, then when the user navigates to their feed, they should be presented with a visual message indicating that there are no posts to show.

User Story #8

As a user, I would like the ability to like and share posts.

#	Description	Estimated Time	Owner
1	Create UI for liking and sharing posts	2h	Raul
2	Create the backend for liking a post. (API endpoints and controller logic)	1hr	Vance
3	Create the backend for tracking shares. (API endpoints and controller logic)	1hr	Vance
4	Create API documentation	30m	Vance
5	Connect frontend to backend	1.5hr	Sean
6	Create testing for liking and sharing events	1hr	Vance
		7hr	Total Hours

Acceptance Criteria:

1. Given that the UI for liking and sharing posts is implemented correctly, when a user views a post, they should be presented with a like and share button.
2. Given that the UI for sharing posts is implemented correctly when a user clicks on the share button a popup displaying a link to the post should appear.
3. Given that a user has shared a post, the post's share count should be incremented by 1.
4. Given that a user is viewing a post, when the user clicks the like button the button should change color and the like count should be incremented by 1.

User Story #9

As a user, I would like the ability to view analytics on events, such as likes, shares, and views.

#	Description	Estimated Time	Owner
1	Create UI for displaying and updating counters for views.	1hr	Raul
2	Create the frontend for tracking views.	2h	Raul
3	Create the backend for tracking views. (API endpoint to increment number)	30m	Sean
4	Create API documentation	15m	Vance
5	Connect the frontend and backend	1hr	Sean
6	Create testing for viewing analytics	1hr	Vance
		6.75hr	Total Hours

Acceptance Criteria:

1. Given that the UI for displaying analytics is implemented correctly, when a user views an event, they should see counters for likes, shares, as well as views displayed.
2. Given that the frontend functionality for tracking views is implemented correctly, when a post is viewed, the view count of that post should be incremented by 1.
3. Given that the frontend and backend are connected when an action affecting analytics (like, share, view) occurs, the corresponding counter should update across the interface after a refresh.

User Story #10

As a user, I would like to be able to search for profiles of other users.

#	Description	Estimated Time	Owner
1	Create the UI for searching and discovery (for users only)	3h	Raul
2	Create the backend for providing a list of possible users who match a search string.	4.5h	Vance
3	Create API documentation	30m	Vance
4	Connect the frontend and backend	1.5hr	Sean
5	Create testing for searching for profiles of other users	2hr	Vance
		11.5hr	Total Hours

Acceptance Criteria:

1. Given that the UI for searching and discovery is implemented correctly, when the user navigates to the discovery page, they should be presented with a search bar.
2. Given that the user inputs a search string with no matches, when the user submits their query, they should be presented with a visual indicating that no matches were found.
3. Given that the user inputs a search string with matches, when the user submits their query, they should be presented with a list of matching profiles.

User Story #11

As a user, I would like the ability to block other users causing me to not see any of their posts about events and preventing them from commenting or interacting on my profile.

#	Description	Estimated Time	Owner
1	Create the UI for blocking a user and viewing a blocked user	2h	Raul
2	Create the backend for tracking blocked users	1h	Vance
3	Update the backend for serving posts on profiles and feeds, forbidding you from viewing posts of those who block you.	3.5h	Vance
4	Update the backend for following, forbidding you from following someone who you block or has you blocked.	1h	Vance
5	Create API documentation	30m	Vance
6	Connect frontend to backend	1.5hr	Sean
7	Create testing for blocking other users	1hr	Sean
		10.5hr	Total Hours

Acceptance Criteria:

1. Given that the UI for blocking a user is implemented correctly, when a user views another user's profile, they should be presented with a block button.
2. Given that updates to the backend for serving posts are complete, when a user views their feed or another profile, the system should exclude all posts from users they have blocked or who have blocked them, ensuring no content is displayed.
3. Given that the user story for following is completed, when a user attempts to follow someone they've blocked or who has blocked them, the system should prevent this action.

User Story #12

As a user, I would like the ability to unblock users I have blocked.

#	Description	Estimated Time	Owner
1	Update UI to allow unblocking	2hr	Sean
2	Update backend to allow unblocking	1hr	Vance
3	Connect frontend to backend for unblocking	1.5hr	Sean
4	Create API documentation	15m	Vance
5	Create testing for unblocking users	30m	Vance
		5.25hr	Total Hours

Acceptance Criteria:

1. Given that the UI for unblocking is updated, when a user visits the profile of a user they've blocked, they should be presented with an unblock button.
2. Given that the UI for unblocking is updated, when a user clicks the unblock button, the button should be a block button.
3. Given that the backend allows unblocking, when a user decides to unblock another, the user should be able to see the unblocked user's content and vice versa

User Story #13

As a user, I would like to allow other users to comment on my posts.

#	Description	Estimated Time	Owner
1	Create UI for viewing a post (a separate page for a post)	3h	Raul
2	Create UI for the comments section, including viewing comments and leaving a comment	3h	Raul
3	Create API documentation	30m	Vance
4	Create testing for comments	1hr	Vance
5	Connect frontend to backend	1.5 hr	Raul
		9	Total Hours

Acceptance Criteria:

1. Given that the UI for viewing a post is implemented correctly when a user clicks on a post, they should be navigated to the full page of that post.
2. Given that the frontend and backend are connected correctly when the user navigates to the full page of a post, they should be presented with a list of comments made on that post.
3. Given that the UI for a post's page is implemented correctly, when a user is viewing a post, they should be presented with input fields allowing them to post a comment and a button to submit the comment.
4. Given that the user enters the content of their comment in the input section, when the user clicks on the submit comment button, the comment should appear in the list of comments on the post.

Backlog

Functional

- ~~1. As a user, I would like to create an account.~~
- ~~2. As a user, I would like to sign into an account.~~
- ~~3. As a user, I would like to reset my password if I forgot it.~~
- ~~4. As a user, I would like to be able to delete my account.~~
- ~~5. As a user, I would like to manage my account information including my username and password.~~
- ~~6. As a user, I would like to be able to set the information on my profile, including a profile picture, display name, and a biography or status.~~
- ~~7. As a user, I would like to have a list of events that I have created on my profile.~~
- ~~8. As a user, I would like the ability to post an event onto my profile. Adding an address, description, event type, links, and other additional information.~~
9. As a user, I would like to allow other users to RSVP or indicate interest for my events and see a list of users who have done so.
10. As a user, I would like to have a calendar on the app that shows all the events I am RSVPed for or interested in going to.
11. As a user, I would like to be able to follow other users.
- ~~12. As a user, I would like to be able to have a feed of the most recent events posted by users that I follow.~~
- ~~13. As a user, I would like the ability to like and share events.~~
- ~~14. As a user, I would like the ability to view analytics on events, such as likes, shares, and views.~~
15. As a user, I would like to be able to search for events based on my location or interests.
- ~~16. As a user, I would like to be able to search for profiles of other users.~~
17. As a user, I would like to be able to filter my search to better find what I am looking for.
- ~~18. As a user, I would like to allow other users to comment on my events.~~
19. As a user, I would like to be able to like and reply to other user's comments.
- ~~20. As a user, I would like the ability to block other users causing me to not see any of their posts about events and preventing them from commenting or interacting on my profile.~~
- ~~21. As a user, I would like the ability to unblock users I have blocked.~~
22. As a user, I would like the ability to delete comments from my posts.
23. As a user, I would like to set other users as moderators with the ability to delete comments from my posts.
24. As a user, I would like the platform to automatically block posts and comments on posts that may contain obscene or offensive content.
25. As a user, I would like the ability to delete my own comments.
- ~~26. As a user, I would like the ability to edit posts that I have made.~~
- ~~27. As a user, I would like the ability to delete posts I have made.~~
28. As a user, I would like to share a link to the event somewhere else, and have an embedded stylized version of the event show up.

29. As a user who is an Artist, I would like the ability to have a custom formatted event type for going on tour, which shows all of my tour locations and dates.
30. As a user who is an Artist, I would like the ability to have a custom formatted event type for album drops/music releases, which allows me to embed a track list within my post and share links to different listening platforms.
- ~~31. As a user, I would like the ability to create Twitter-like posts on my profile to get information to fans who follow me or visit my profile.~~
32. As a user, I would like the ability to attach image(s) to my posts.
33. As a user, I would like the ability to use markdown in my posts for increased control over text formatting.
34. As a user, I would like the ability to co-host an event with another user, making the same event show up as posted by both of us.
35. As a user, I would like to post updates to a specific event.
36. As a user, I would like the ability to view my notifications in a dedicated UI location (e.g. a “notification bell” dropdown that shows my notifications in order of recency).
37. As a user, I would like the ability to opt-in to notifications from users whose posts I am interested in.
38. As a user, I would like the ability to configure which types of posts I get notifications from.
39. [If Time Allows]: As a user, I would like to see what the weather will be at the location of an in-person event.
40. [If Time Allows]: As a user, I would like the ability to share a map for my in-person events so attendees can find their way around easier.
41. [If Time Allows]: As a user, I would like the ability to add an event to my external calendar app.
42. [If Time Allows]: As a user, I would like the ability to link my calendar from this app to my external calendar app (automatically updating).
43. [If Time Allows]: As a user, I would like an interactive user tutorial for how to use the app.

Non-Functional

Security and Authentication

- Users will be able to log into their own accounts or sign up for a new account. Passwords will be stored securely in a SHA256 hashed form.
- [If Time Allows]: Allow users to sign in through providers such as Google, Facebook, Apple, etc.

Web Application

A web interface to host the application. We will use the MERN stack to create our application. MongoDB will be used as our database to store necessary information. ExpressJS will be used to support Node and provide middleware and APIs. ReactJS is used to construct the UI and UX. NodeJS will be used to serve the website.

- As a user, I would like to have 24/7 access to the app.

- As a user, I would like the system to have the capability to handle me posting at least one event per minute.
- As a developer, we would like to be able to host at least 100 concurrent users in their general use of the app.
- As a developer, I would like to learn how to use all of these systems to create the application.
- As a developer, I would like to wireframe the User Interface before coding it (prototyping).
- As a user, I would like to access this service on mobile as well as desktop.
- As a mobile user, I would like the User Interface to be optimized for mobile use.

Usability

The user interface will be intuitive and easy for the average user to navigate. The interface will be designed so users can accomplish a task such as post an event, RSVP for an event, etcetera, as quickly and simply as possible by minimizing the number of clicks required to do so.

Architecture and Performance

Must be able to run on the free tier of AWS.

[illegible]

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