Rooted

Sprint 1 Planning Document
September 9, 2019

Julien San Diego, asandieg@purdue.edu
Cyrus San Santiago, santiac@purdue.edu
Ken Sodetz, sodetz@purdue.edu
Ben Malone, malone74@purdue.edu
Abigehl Slattery, aslatter@purdue.edu

Sprint Overview:
The main goal of the first sprint is to set up the barebones platform for logging in, storing user data, pulling user data, creating a Front End UI, and deployment. The back end team will focus on setting up the database, login, and deployment. The front end team will focus on the logical layout and general design of the website.

Scrum Master: Cyrus Santiago

Meeting Plan: Mondays (5:30PM-7:30PM)

Risks and Challenges:
While there are fairly experienced programmers, there are some members who have not worked on projects outside of class and are unfamiliar with certain technologies such as MongoDB, Angular, Node.js. As there's a gap in terms of technical skills, there will be a lot of work to help ramp up the technical skills of the less-experienced members so they will be able to contribute.

User Story #1
Estimated Hours: 29 hrs
As a user, I would like to be able to register and verify a Rooted account.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Set up Back End server	3	Back End	Ken
2	Set up Mongo database	2	Back End	Ken
3	Set up deployment server	2	Back End	Ken
4	Create UI form to enter information about user	3	Front End	Ben
5	Create button to send information to Back End to register	1	Front End	Ben
6	Create API route to register user and add them to database	6	Back End	Ken
7	Implement API route to generate a verification token	6	Back End	Ken
8	Implement mailer to send verification token	3	Back End	Ken
9	Create Unit Tests	3	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that the Back End to create users is created successfully, when a request to create an account is made then the user's account will be added to the database given that the email has not been taken and the password is strong.
- ❖ Given that the Back End and database has been created successfully, when a request to create an account with an email address already existing in the database the user interface and Back End response will alert the user.

❖ Given that mailer is implemented correctly, when a request is made to create a user account, a email should be sent to the given email address to with the verification token to verify the account.

User Story #2
Estimated Hours: 16
As an existing user, I would like to be able to login

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Create UI form to Login	2	Front End	Abigehl
2	Create button to send information to Back End to login	1	Front End	Abigehl
3	Create API route to login a user	2	Back End	Ken
4	Set up error handling	2	Front End	Cyrus
5	Set up a user's homepage	7	Front End	Abigehl
6	Create unit tests	2	Front End/Backend	Cyrus

Acceptance Criteria:
❖ Given that the Back End to create users is created successfully, when a request to login is made and the username and password are correct, the user should be logged in.
❖ Given that the Back End and database has been created successfully, when a request to login is made and the username/password is incorrect the user interface and Back End response will alert the user.

User Story #3
Estimated Hours: 7
As an existing user, I would like to be able to logout.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Create a navigational banner	3	Front End	Abigehl
2	Add a logout button to the navigational banner	1	Front End	Abigehl
3	Create API route to log out a user and clear tokens	1	Back End	Ken
4	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that the navigational banner is implemented, the user can see pages that he or she can navigate to.
- ❖ Given that a route has been successfully implemented, the user's token will be purged from memory.
- ❖ Given that the user presses the logout button, and then front end button is connected to the correct route, the user will be logged out and redirected to the login page.

User Story #4
Estimated Hours: 9
As a user, I would like to be able to edit my email address.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Add an edit account button to users homepage	1	Front End	Ben
2	Create UI form to enter/show information about user	2	Front End	Ben
3	Create button to send information to Back End to register	1	Front End	Ben
4	Create API route to change a user's email address	3	Back End	Julien
5	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that a route has been successfully implemented, the user's email will be changed in the database when the route is hit.
- ❖ Given that the user presses the change email button, they will be redirected to a page to put in their new email.
- ❖ Given that a user clicks Submit Email and the button is connected to the correct route, the user's email will be changed to the new one specified.

User Story #5
Estimated Hours: 8
As a user, I would like my password to be reset if I forget it.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Add "Forgot password?" button to login form	1	Front End	Abigehl
2	Create forgot password popup with UI form for resetting password	2	Front End	Abigehl
3	Create API route to send a random 6 digit auth code to a specified user's email address and submit a new password when the code is found in the request body	3	Backend	Julien
4	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
   ❖ Given that the forgot password route has been successfully implemented, the user will be emailed an auth code to be used to change their password. If the code is given in the request body, then a new password can be set
   ❖ Given that the user presses the forgot password button, they will be redirected to a page to put in their email.
   ❖ Given that a user has gotten a submission code, they can then change their password from the forgot password page after entering their username and submission code.
   ❖ Given that the forgot password route has been successfully implemented, the user will be emailed an auth code to be used to change their password.
   ❖ Given that a user clicks Submit Password and the button is connected to the correct route, the user's password will be changed to the new one specified and will be redirected to the login page.

User Story #6
Estimated Hours: 6
As a user, I would like to be able to change my password.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Alter UI form to enter/show information, adding a password entity	1	Front End	Ben
2	Create API route to change a user's password	3	Back End	Julien
3	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that a route has been successfully implemented, the user's password will be changed in the database when the route is hit.
- ❖ Given that the user presses the change password button, they will be redirected to a page to put in their new password.
- ❖ Given that a user clicks Submit Password and the button is connected to the correct route, the user's password will be changed to the new one specified.

User Story #7
Estimated Hours: 14
As a user, I would like to be able to create and edit a general profile page, with info such as my name, birth year, bio, links to social media, etc.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Alter UI form to enter/show information about user	2	Front End	Ben
2	Create API route to create a general profile page	3	Backend	Julien
3	Create API route to retrieve profile information	3	Backend	Julien
4	Create API route to update information	4	Backend	Julien
5	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that a user has created an account, they should be able to view their general profile page and update it with their information.
- ❖ Given that the user presses the change profile photo button, an upload dialog will pop up, prompting the user   .
- ❖ Given that a user clicks Submit Password and the button is connected to the correct route, the user's password will be changed to the new one specified.
- ❖ Given that the backend is implemented successfully, when a request to create a profile is called, the user will be provided with a profile.
- ❖ Given that the backend is implemented successfully, when a request to edit a profile is called, a user can update information on his or her profile

User Story #8
Estimated Hours: 8
As a user, I would like to be able to upload a profile image.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Add a UI button to upload a photo	2	Front End	Abigehl
2	Create Drag functionality for uploading picture	2	Front End	Abigehl
3	Create display for image on user's profile page	1	Front End	Abigehl
4	Create API route to add a photo to a user	2	Back End	Julien
5	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ After the UI has been implemented successfully, a user can click a button to upload a profile picture and drag a picture from file to upload.
- ❖ Given that a route has been successfully implemented, the user's profile photo will be changed in the database when the route is hit.

User Story #9
Estimated Hours: 11
As a user, I would like to be able to selectively hide or display specific info on my profile page.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Add drop down next to a text field to indicate if a user wants to hide or display information	2	Front End	Ben
2	Create API route to hide specific information on profile page	2	Back End	Julien
3	Create API route to display specific information on profile page	2	Back End	Julien
4	Create API route to retrieve profile information	3	Back End	Julien
5	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that a dropdown is implemented, a user can click on the dropdown, and choose whether to add or hide specific information.
- ❖ Given that the backend to hide specific information is implemented successfully, when a request to hide information is made, the specific information should be hidden from every other user except the user
- ❖ Given that the Backend to display specific information is implemented successfully, when a request to display information is made, the specific information should allow other users to see user the displayed information.

User Story #10
Estimated Hours: 17
As a user, I would like to be able to upload photos to my profile page's photo library.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Add a UI button to multiple upload photos	2	Front End	Abigehl
2	Create Drag functionality for uploading multiple images	3	Front End	Abigehl
3	Integrate UI button with backend implementation	3	Back End	Julien
4	Create API route to upload photos to a profile page's photo library	4	Back End	Julien
5	Create a display on the user's profile for photo library	3	Front End	Abigehl
6	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
  ❖ Given that a UI button is added, the user can click on the button to upload photos.
  ❖ Given that integration is implemented successfully, a user can click on a button, choose photos to upload, and the photos chosen will be visible on the user's profile page
  ❖ Given that the backend to upload photos to a profile page's photo library is implemented successfully, when a request to upload a photo to a profile page photo library is made, the user is able to view all photos uploaded in the photo library of a profile page
  ❖

User Story #11
Estimated Hours: 19
As a user, I would like to be able to create a group and be granted group creator privileges

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Create UI form to enter information about group	5	Front End	Ben
2	Create a Page to display Group	5	Front End	Ben
3	Create API route to create a group	3	Back End	Julien
4	Create API route to grant group creator privileges	2	Back End	Julien
5	Create a display on a user's profile page to reflect their privileges	2	Front End	Ben
6	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that the user has created a group, the user should have the proper privileges as a group creator.
- ❖ Given that the user has group creator privileges, the user can add or remove moderators for the group.

User Story #12
Estimated Hours: 9
As a general user, I would like to be able to report users of a group to the group's moderation team

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Create a UI button to report users	1	Front end	Ben
2	Create a UI form to report reason as to why a user is being reported	2	Front End	Ben
3	Create a confirmation dialog to prompt user to confirm report action	1	Front End	Ben
4	Create API route to report users	3	Back End	Julien
5	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that the UI button to report users is added, a user can see a button and click the button to report a user
- ❖ Given that a UI form is added, a user can include the reason as to why he or she is reporting another user.
- ❖ Given that a confirmation dialog is added, a user can choose to confirm his or her report or cancel the report.
- ❖ Given that the backend to report a user is implemented successfully, when a request is made to report a user, the report will be sent to admins.

User Story #13
Estimated Hours: 10
As a general user, I would like to be able to report a group to the sitewide admins

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Create a UI button to report users	1	Front End	Abigehl
2	Create a UI form to report reason as to why a user is being reported	2	Front End	Abigehl
3	Create a confirmation dialog to prompt user to confirm report action	2	Front End	Abigehl
4	Create API route to report a group	3	Backend	Julien
5	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that the UI button to report users is added, a user can see a button and click the button to report a user
- ❖ Given that a UI form is added, a user can include the reason as to why he or she is reporting another user.
- ❖ Given that a confirmation dialog is added, a user can choose to confirm his or her report or cancel the report.
- ❖ Given that the backend to report a user is implemented successfully, when a request is made to report a user, the report will be sent to admins.

User Story #14
Estimated Hours: 12
As a user, I would like to be able to view all groups that I am a part of from my general profile page

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Create a portion of the User's profile page that reflects their involvement in groups	2	Front End	Abigehl
2	Create a group specific page for a user	4	Front End	Ben
3	Create API route to view all groups within general profile page	4	Backend	Julien
4	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that a user is part of at least one group, the user can view the groups they are apart of.
- ❖ Given that a user is part of at least one group, the user can visit the group's rooted page from the general profile page.
- ❖ Given that a user is part of at least one group, the user can visit their specific profile page for each group they are a part of.
- ❖ Given that the backend is implemented successfully, when a user sends a request to view all groups within a general profile page, the groups that the user is a part of is displayed.

User Story #15
Estimated Hours: 12
As a user, I would like to be able to view other user's profile pages.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	Create a clickable link to a person's profile on group page	2	Front End	Ben
2	Create hover functionality for a person's name in a group	3	Front End	Abigehl
3	Create a non-user version of profile page	2	Front End	Ben
4	Create API route to view another user's profile pages	3	Back End	Julien
5	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:

❖ Given that there are multiple users in a rooted group, a user can view any other user's group profile page.
❖ Given that there are multiple users in a rooted group, a user can view any other user's general profile page.
❖ Given that the backend is implemented successfully, when a request to view another user's profile is made, the user is able to see all the information displayed by the other user.

User Story #16
Estimated Hours: 13
As a user, I would like to be able to directly message other users.

#	Task Description	Estimated Time (Hours)	Team	Owner
1	On non-user profile create a button to message user	1	Front End	Cyrus
2	Create a UI for hosting messaging	5	Front End	Ben
3	Create API route to send messages	5	Back End	Julien
4	Create unit tests	2	Front End/Back End	Cyrus

Acceptance Criteria:
- ❖ Given that there are multiple users in a rooted group, a user can message another user directly.
- ❖ Given that the backend is implemented successfully, when a request to send messages is sent, a user can send messages to another user, and the other user will receive it