

Sprint 2 Planning Document



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<https://github.com/loveiszero/CS407-AnqiYu.git>

Sprint Overview:

The focus of this sprint will be to implement the media feed functionality. It would heavily rely on the asynchronous Javascript and the node JS event loop. One possible solution would be set up a seperate cloud server for the media feed gathering to avoid local server from crashing. But first, i would have some more learning to do.

Scrum Master: Anqi Yu

Risk/Challenges:

Having no teammates to consult my issue would be the biggest challenge for this one person project. For sprint 2, I would allocate more time in learning the tools and concept that would be needed in order to complete the user stories. At the same time, I would reach out to any possible source for help.

User Stories:

- As a user, I would like to input source of media feed from twitter user accounts.
- As a user, I would like to be notified when my media consuming time exceeds specified time limit.
- As a user, I would like to be able to set a new password.
- As a user, I would like to be able to delete my account.

Current Sprint Detail:

User Story #4 As a user, I would like to be notified when my media consuming time exceeds specified time limit.

Task	Category	Estimate Hours
Write a TS function that will report current timestamp when user logged in to the server	Front-end	1
Learning about asynchronous function and Angular tutorial	Learning	4

Store the timer in user's MongoDB	Back-end	1
Unit Testing	Testing	1

Acceptance Criteria:

- Given User is logged in, user can set their timer in the setting page
- Given user's specified time is up, a notification would appear at the top of the page and clear all media content;

User Story #4 As a user, I would like to input source of media feed from twitter user accounts.

Task	Category	Estimate Hours
Learn more about Twitter's official API	learning	3
Chech if user's input twitter link is valid, and notify user is the connection succeed	Full-stack	4
Implement the web crawler in JS	Back-end	3
If needed, set up a seperate cloud server for the media feed part of the application.	Back-end	5
Unit Testing	Testing	2

Acceptance Criteria:

- Given a user input a valid twitter link and the connection succeed, user would receive a “connection succeed” notification, and tweets from this username should be added to the media feed homepage;
- Given user input a invalid twitter link, user would be notified of the failure and asked to input a new link;

User Story#6 As a user, I would like to be able to set a new password.

Task	Category	Estimate Hours
Implement UI element for new password on the setting page;	Front-end	1
Implement backend function to verify the new password, and send back the result in the form of API	Back-end	2.5
API testing	Back-end	0.5
Unit Testing	Testing	1

Acceptance Criteria:

- Given user input a new password, user would be notified if the new password is too short or needed more length.
- Given a user successfully set up a new password, the user would be notified;

User Story#8 As a user, I would like to be able to delete my account.

Task	Category	Estimate Hours
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Implement UI element for Delete account on the setting page; Ask user if they're sure to about deleting.	Front-end	1.5
Implement backend function to delete everything about this user from the database	Back-end	1.5
Logged out user's current cookie, delete the cookie session	front-end	1
Unit Testing	Testing	1

Acceptance Criteria:

- Given user select "sure" on deleting their account, back end would start deleting all the information related to this user in the database
- Given a user is successfully erased, user would be logged out and no longer be able to log in again

Total Hours: 34

Backlog

Functional

- ~~1. As a user, I would like to create and log into an account.~~
2. As a user, I would like to input source of media feed from twitter user accounts.
3. As a user, I would like to input source of media feed from my Pocket account.

- ~~4. As a user, I would like to set my daily time limit.~~
5. As a user, I would like to be notified when my media consuming time exceeds specified time limit.
6. As a user, I would like to be able to set a new password.
7. As a user, I would like to be able to retrieve my password if I have forgotten it.
8. As a user, I would like to be able to delete my account.

Non-functional:

- ~~1. This app works on web browser on desktop as well as cell phones (responsive web design).~~
- ~~2. The user interface should be simple and clear.~~

If Time Permits:

1. As a user, I would like to filter out certain keywords or specific topics from my media feed;
2. As a user, I would like to be able to save contents I liked to "Favorites".
3. As a user, I would like to input source of media feed from YouTube accounts.
4. As a user, I would like to input source of media feed from a URL
5. As a user, I would like to input source of media feed from facebook user accounts.
6. As a user, I would like to add the app from the browser to my smart phone's home screen.
7. As a user, I would like to input a topic of my interest, and receive automatically curated contents about the topic.