



Cloud Music Player

## **Sprint 2 Planning Document**

**Team 30**

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## Sprint Overview

For this second sprint, we would like to finish up what we could not finish in the first sprint, improve some designs we implemented, as well as start some new stories. We will try to finish up Google Drive implementation, start working on Firebase, as well as working on some new components at Music Player page.

Scrum Master: Guojie Wen

## Risk and Challenges

Although the team is getting more familiar to web development now, it will still take a good amount of time for all members to deliver the stories. Sprint 2 is also in the middle of some exam seasons as well, therefore each of our availabilities will be limited and it will be hard for us to gather and work together.

## Current Sprint Detail

### User Story #3

As a returning user, I would like to be able to view the music interface after login

(Note: this one is an unfinished user story from sprint 1)

Tasks	Time	Owner
Be able to show user's music playlists on the sidebar UI	6	Guojie Wen
Set up Firebase to be able to pull playlists	6	Guojie Wen
Be able to show music in the playlists	6	Guojie Wen
Test Firebase playlists listing	2	Guojie Wen

#### Acceptance Criteria:

- Given that user has logged in, when user open music player page, then the application is able to fetch user's playlists.
- Given that user has logged in, when user open music player page, then the application is able to list user's playlists on the UI.

## User Story #4

**As a user, I would like to be able to navigate and browse all my Google Drive file directories**

(Note: this one is an unfinished user story from sprint 1)

Tasks	Time	Owner
Implement logic to navigate through Google Drive	6	Dai Zhong
Implement "Go to parent" buttons	3	Dai Zhong
Test navigating UI	1	Dai Zhong

### Acceptance Criteria:

- Given that the drive import page UI has been implemented correctly, when a user get in the import page, then the import page should show the home directory of the user's Google Drive.
- Given that the drive import page UI has been implemented correctly, when a user click on a folder in the UI, then the import page should get into that folder and show contents in that folder.
- Given that the drive import page UI has been implemented correctly, when a user click on "go to parent" button in the UI, then the import page should go back to the parent folder and show contents in that folder, unless the user is currently in the home directory.

## User Story #8

As a user, I would like to be able to go to the music interface after I finish selecting music files from Google Drive

Tasks	Time	Owner
Implement functionality to go to the music interface	3	Zhe Chen
Implement ability to save selected music to the back end	6	Zhe Chen
Implement the view selected music on the music interface	3	Zhe Chen
Test the UI design for going back page	1	Zhe Chen
Test the Firebase data save for going back page	1	Zhe Chen

### Acceptance Criteria:

- Given that the user logs in correctly, when user chooses go to the music interface after finishing importing music files, then they will see the music play list that they have created when the interface appears.

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- Given that a user has selected the music that they need, then when he or she clicks the music files will be added to the database of the play list so that the user can play desired music files from our back end.
  - Given that a user is currently view the music interface, when he or she scroll down the music play list then all the selected music will appear until the end of the list, loaded from the database.
  - Given that the functionality to color all the selected music has been implemented correctly, when a user click the music then they will be able to notice that the color of music files' names have been changed.

## User Story #9

As a user, I would like to be able to view all the playlist names I created on the left side of the screen

Tasks	Time	Owner
Be able to show all the playlist names	10	Pengyu Chen
Be able to show the name in bold	1	Pengyu Chen
Testing all playlist names are correctly shown	2	Pengyu Chen

### Acceptance Criteria:

- Given that the users have created their own playlists, when users open the music player page, they can see their own playlists correctly.
- Given that the users are in the music player page, when they check their own playlists, they can see the names of the playlists are in bold.

## User Story #10

As a user, I would like to be able to click the playlist name to expand and view the entire playlist

Tasks	Time	Owner
Be able to expand the playlist	10	Pengyu Chen
Be able to view the songs in playlist	20	Pengyu Chen
Test the playlists can be expanded	2	Pengyu Chen
Test the songs in the playlists are correct	2	Pengyu Chen

### Acceptance Criteria:

- Given that the playlists can be shown on the music play page, when users click a playlist, the playlist can be expanded.
- Given that the playlists can be expanded, when users scroll down the playlist, they can see the songs in playlists.
- Given that the songs in the playlists can be viewed, when users scroll down the playlist, they can see those songs are correctly put in the list.



## User Story #11

As a user, I would like to be able to left click on a song, play the song, and highlight the currently playing song in the playlist.

Tasks	Time	Owner
Be able to left click on a song	5	Zhe Chen
Be able to play the song in the music player interface	7	Zhe Chen
Implement the UI highlight for the current song	5	Zhe Chen
Testing UI interface and functionality for playing the music	5	Zhe Chen

### Acceptance Criteria:

- Given that the music player page has been implemented correctly, when a user is left-clicking the song in the play list, he or she should be able to play that song immediately.
- Given that the music player page has been implemented correctly, when a user chooses a song, he or she could see the current playing song in highlight.

## User Story #19

As a user, I would like to be able to see the song's name, singer name, and album name in the player interface.

Tasks	Time	Owner
Create data structures to contain songs in Redux	5	Dai Zhong
Create UI to render song's information	3	Dai Zhong
Implement logics to renew data in Redux	5	Dai Zhong
Implement logics of rendering songs	6	Dai Zhong
Test showing song's information	1	Dai Zhong
Test renewing data in Redux	1	Dai Zhong

### Acceptance Criteria:

- Given that the music player page has been implemented correctly, when a user is playing the music, he or she should be able to see the song's name, singer name, and album name.
- Given that the music player page has been implemented correctly, when a user changes the music playing, then the corresponded song's information should be shown in music player page.

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- Given that the music player page has been implemented correctly, when a user clicks on the music to be played, then corresponded current song's information should be renewed in Redux.

## User Story #22

As a user, I would like to logout my Google Account when I want to do it.

Tasks	Time	Owner
Develop Google user sign out function	2	Guojie Wen
Finish up navbar styling	6	Guojie Wen
Test navbar UI	1	Guojie Wen
Test Google user sign out	1	Guojie Wen

### Acceptance Criteria:

- Given that user has logged in, when user sees the navbar, then the navbar can show user's name and profile image
- Given that user has logged in, when user logs out, then the app can navigate user to login page

## User Story #23

As a user, I would like to hide the playlists on the left when the screen size of the browser gets small.

Tasks	Time	Owner
Create sidebar	6	Guojie Wen
Make sidebar autohide at small screen	6	Guojie Wen
Make toggle on navbar to show sidebar	2	Guojie Wen
Test UI functions	1	Guojie Wen

### Acceptance Criteria:

- Given that user is at music player page, when user shrinks screen, then sidebar hides
- Given that user is at music player page and user has small screen, when user clicks the toggle on navbar, then sidebar shows

## Remaining Backlog

3	As a returning user, I would like to be able to view the music interface after login
4	As a user, I would like to be able to navigate and browse all my Google Drive file directories
8	As a user, I would like to be able to go to the music interface after I finish selecting music files from Google Drive
9	As a user, I would like to be able to view all the playlist names I created on the left side of the screen
10	As a user, I would like to be able to click the playlist name to expand and view the entire playlist
11	As a user, I would like to be able to left click on a song, play the song, and highlight the currently playing song in the playlist
12	As a user, I would like to pause and resume a song as long as the application is not closed.
13	As a user, I would like to adjust the volume of the playing song.
14	As a user, I would like to have a button to mute the sound on click.
15	As a user, I would like to be able to create a separate favorite playlist.
16	As a user, I would like to be able to delete songs from playlist.
17	As a user, I would like to be able to switch listening mode of the playlist like

	random, single, or in order.
18	As a user, I would like to be able to switch songs in the playlist by clicking “left arrow” and “right arrow” buttons beside the “play” button.
19	As a user, I would like to be able to see the song’s name, singer name, and album name in the player interface.
20	As a user, I would like to be able to see the song image in the player interface.
21	As a user, I would like to share my music and playlist to social media like facebook, twitter, etc.
22	As a user, I would like to logout my Google Account when I want to do it.
23	As a user, I would like to hide the playlists on the left when the screen size of the browser gets small.
24	As a user, I would like to be able to click a button on the top of the screen to expand and show the playlists from the left.
25	As a user, I would like to be able to be prompted about file not existing if the song I play from playlist no longer exists
26	As a user, I would like to be able to have a button in the music panel to add the currently playing song to a different playlist
27	As a user, I would like to be able to right click on a song in a playlist to show more options
28	As a user, I would like to be able to add the selected song to a different

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	<b>playlist on the right click panel</b>
<b>29</b>	<b>As a user, I would like to be able to select multiple songs in a playlist to add the songs into a different playlist (if time allows)</b>
<b>30</b>	<b>As a user, I would like to be able to change the progress of a song by dragging the progress bar.</b>