



## Cloud Music Player

# Sprint 1 Planning Document

### **Team 30**

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## Sprint Overview

For this first sprint, we would like to lay down our foundation. We will set up the project to connect each components and have the login and Google Drive import working.

Scrum Master: Guojie Wen

## Risk and Challenges

Most of the team are not familiar with React development yet, therefore for the first sprint, most of the team spend an enormous amount of time to struggle through the problems to contribute effectively.

## Current Sprint Detail

### User Story #1

As a user, I would like to log in with my Google account

Tasks	Time	Owner
Create user login page UI	6	Guojie Wen
Register Google Signin for our app	2	Guojie Wen
Get Google Signin working	6	Guojie Wen
Testing signin functionality	1	Guojie Wen

Acceptance Criteria:

- Given that the login page UI has been implemented correctly, when a user opens the website from browser, then every item in the page can still be visible and all items and animation appear correctly
- Given that the login page UI has been implemented correctly, when a user shrinks browser window size, then every item in the page can still be visible and responsively resize if necessary
- Given that a user successfully logs in with his/her Google account, when the app receive user's accessToken then store it in localStorage

## User Story #2

As a new user, I would like to be able to view my Google Drive directory after login

Tasks	Time	Owner
Create basic UI for Google Drive page	6	Guojie Wen
Register Google Drive API for our app	2	Guojie Wen
Be able to list user's Google Drive items	6	Guojie Wen
Test Drive files listing	1	Guojie Wen

Acceptance Criteria:

- Given that the drive import page UI has been implemented correctly, when a user shrinks browser window size, then every item in the page can still be visible and responsively resize if necessary
- Given that a user successfully logs in with his/her Google account, when finished logging in, then app can navigate the user to the correct page
- Given that a user successfully logs in with his/her Google account, when user enters Google Drive import page, then app can retrieve user's Google Drive file list

## User Story #3

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

Tasks	Time	Owner
Create basic UI for music interface page	8	Pengyu Chen
Be able to show user's music playlists	9	Pengyu Chen
Be able to show music in the playlists	6	Pengyu Chen
Test Drive files listing	2	Pengyu Chen

Acceptance Criteria:

- Given that user was previously logged in and has existing playlist, when users login to our music player, then users can see the playlists bar is on the left of the interface, and the music play bar is on the bottom.
- Given that user has logged in, when user open music player page, then the application is able to fetch user's playlists.
- Given that the music playlists are successfully showed on the interface, when users click one playlist, then users can see the songs in the playlist.

## User Story #4

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

Tasks	Time	Owner
Implement logic to go to drive import page	4	Dai Zhong
Create left side file navigating UI in the drive import page	4	Dai Zhong
Implement logic to navigate through Google Drive	6	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

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the parent folder and show contents in that folder, unless the user is currently in the home directory.

## User Story #5

As a user, I would like to be able to only select mp3 files

Tasks	Time	Owner
Use Google Drive API to only show mp3 files and folders.	3	Pengyu Chen
Testing functionality to only select mp3 files	1	Pengyu Chen
Testing all folders are still shown	1	Pengyu Chen

Acceptance Criteria:

- Given that the Google Drive API is implemented correctly, when users opens Drive import page, then all folders in the directory and mp3 files will be listed in the page.
- Given that the function to only show mp3 files is implemented, when users are searching files on Google Drive, then the non-mp3 files will not be visible to users.
- Given that the function to be able to only select mp3 files is implemented, when there are no mp3 files on user's' Google Drive, then user cannot select any files.



## User Story #6

As a user, I would like to be able to view all of the mp3 files that I selected while I am browsing for music.

Tasks	Time	Owner
Create right side UI in the drive import page for showing files selected	8	Dai Zhong
Implement logic of adding and deleting files selected from right sidebar UI	6	Dai Zhong
Test right side UI in drive import page	1	Dai Zhong

### Acceptance Criteria:

- Given that the drive import page has been implemented correctly, when a user selects a file in left side navigating UI in the drive import page, then the color of that file name bar should turn dark to show that this file has been selected.
- Given that the drive import page has been implemented correctly, when a user selects a file in left side navigating UI in the drive import page, then the file should appear in the right side file selected UI.
- Given that the drive import page has been implemented correctly, when a user click on “clear” button in the right side file selected UI, then all files selected should be unselected and there should be no file listed in the right side file selected UI.

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- Given that the drive import page has been implemented correctly, when a user click on “submit” button in the right side file selected UI, then the application should go to music playing page.

## User Story #7

As a user, I would like to be able to one click selecting all the mp3 file I have in my Google Drive while I am browsing for music

Tasks	Time	Owner
Implement the 'select all' button UI	5	Zhe Chen
Implement functionality to select all music files	5	Zhe Chen
Implement the functionality to color all selected music	3	Zhe Chen
Implement the functionality add all selected music on the right side	3	Zhe Chen
Test 'select all' button functionality and UI change	2	Zhe Chen

Acceptance Criteria:

- Given that a user did not selected all the music, when he or she clicks the 'select all' button, then all music files will be added to the selected files list.
- Given that the user has not select any files, when a user click the 'select all' button, then they will be able to notice that all music files have been selected by seeing the different colors.

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- Given that the user has selected some but not all music files, when a user click the 'select all' button, then they will be able to notice that all music files have been selected by seeing the different colors.

## 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.

## Remaining Backlog

1	As a user, I would like to log in with my Google account
2	As a new user, I would like to be able to view my Google Drive directory after login
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
5	As a user, I would like to be able to only select mp3 files
6	As a user, I would like to be able to view all of the mp3 files that I selected while I am browsing for music
7	As a user, I would like to be able to one click selecting all the mp3 file I have in my Google Drive while I am browsing for music
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.



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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 playlist on the right click panel
29	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)
30	As a user, I would like to be able to change the progress of a song by dragging the progress bar.