Cloud Music Player

-Team 30-

Guojie Wen
Dai Zhong
Pengyu Chen
Zhe Chen

Sprint 1 Retrospective

Oct. 11st, 2017

What went well?

	User story	Design features	Implementation members	Hours
1	As a user, I would like to log in with my Google account	Create user login page UI	Guojie Wen	6
	See above	Register Google Signin for our app	Guojie Wen	2
	See above	Get Google Signin working	Guojie Wen	6
	See above	Testing signin functionality	Guojie Wen	1

Completed

The sign in page UI is completely functional with good visibility. Our application is registered at Google Play console. Google Signin is completely functional and able to fetch user information from Google.

	User story	Design features	Implementation members	Hours
2	As a new user, I would like to be able to view my Google Drive directory after login	Create basic UI for Google Drive page	Guojie Wen Dai Zhong	6
	See above	Register Google Drive API for our app	Guojie Wen	2
	See above	Be able to list user's Google Drive items	Dai Zhong	6
	See above	Test Drive files listing	Guojie Wen Dai Zhong	1

Completed

User is able to view user's Google Drive files from Google Drive API on the UI, and our applications is also registered to use Google Drive client.

	User story	Design features	Implementation members	Hours
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	Design a "select all" button	Dai Zhong Zhe Chen	10
	See above	Once it was clicked the app will put all the music files to right selected files area	Zhe Chen	5
	See above	Update the files in the back end	Dai Zhong	4

Completed

The "select all" button was finished both UI and functionally on the top of Google API. The button is capable of selecting all the "mp3" files listed on the "user's music files"page and select all music even though some music files are selected previously without any repetitive operations.

	User story	Design features	Implementation members	Hours
4	As a user, I would like to be able to navigate and browse all my Google Drive file directories	Implement logic to go to drive import page	Guojie Wen Dai Zhong	4
	See above	Create left side file navigating UI in the drive import page	Dai Zhong	4

Completed(part of)

The logic to go to import page works well. The file navigating UI is implemented, but the ability to show all files from Google Drive is implemented rather than the ability to navigate in Google Drive.

	User story	Design features	Implementation members	Hours
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.	Create right side UI in the drive import page for showing files selected	Dai Zhong	8
	See above	Implement logic of adding and deleting files selected from right sidebar UI	Dai Zhong	6

Completed

The file selecting UI is implemented and completely functional. Selected files will be shown in the right side of the import page. The functionalities of adding files and deleting files from the right side work fine.

	User story	Design features	Implementation members	Hours
3	As a returning user, I would like to be able to view the music interface after login	Create basic UI for music interface page	Pengyu Chen	20

Completed

The basic UI for music interface page has been created to show the information of the songs.

	User story	Design features	Implementation members	Hours
5	As a user, I would like to be able to	Use Google Drive API to only show	Pengyu Chen	3

	only select mp3 files	mp3 files and folders.		
	See above	Testing functionality to only select mp3 files	Pengyu Chen	1
	See above	Testing all folders are still shown	Pengyu Chen	1

Completed

In the file import page, the files that users can see are only mp3 files. Therefore, users can only select mp3 files into the playlist.

What did not go well?

Although we finished most of our user stories in sprint 1, we still have a few tasks remained unsuccessful. We spent a lot time of time starting up our frame of the whole project and setting up Google API also took a lot of our time. As the result, we had less time to figure out our tasks for user stories and some unfinished tasks are listed as followed.

	As a user, I would like to be able to go to the music interface after I finish selecting music files from	Design a new button to go back to the music interface and achieve the functionalities in		
8	Google Drive	javascript	Zhe Chen	8

Not completed

Since what the music player interface and navigation side bar was not finished in time, we cannot finish the new button to go back to the previous interface. Although it was not achieved during the period of the sprint 1, once the navigation bar is finished, we can complete it by the end of the next sprint.

	User story	Design features	Implementation members	Hours
4	As a user, I would like to be able to navigate and browse all my Google Drive file directories	Implement logic to navigate through Google Drive	Guojie Wen Dai Zhong	6

Not Completed

When I was implementing this feature, I was having trouble using Google Drive API for file listing. Since not much time left when I started implementing this, I failed to finish it in this sprint and I used another approach this feature instead. I listed all files from Google API instead of using navigating. However, I have figured out how to use this API to implement navigation so I can finished this in the next Sprint.

	User story	Design features	Implementation members	Hours
3	As a returning user, I would like to be able to view the music interface after login	Be able to show user's music playlists	Pengyu Chen	9
	See above	Be able to show music in the playlists	Pengyu Chen	6
	See above	Test Drive files listing	Pengyu Chen	2

Not Completed

Since as a beginner, I had trouble in creating the UI for music interface page. It took me a lot of time to understand the concept and implement it. Also, my teammates have trouble in implementing the Google Drive part, so we still cannot create a playlist in local. Therefore, the music playlist can not be shown on the music interface page.

How should you improve?

- More frequent team communication and development gathering are needed. In sprint 1, the lack of communication caused that we did not know the progress of each other, and we delayed our progress because we didn't know where to start. Therefore, we need to communicate more to ensure the progress.
- Deeper understanding in web development are necessary, but web development skills take time to master. Web development consists of HTML, CSS, JavaScript, and other non-development related skills, such as usage of libraries, development tools, architecture design, and so on. These skills take time and practice to develop, therefore in a short amount of time, it is difficult to improve, but we still need to work on these skills.
- During the process of the sprint 1, we underestimate the load of our work and also, we did not notice that the tasks that every team member's assigned were actually with much connections. After sprint 1, we hopefully understand how much hours we should dedicate to each of the user story and manage our time more scientifically and efficiently.