

Sprint 1 Backlog

Product owner: Han-Yu Lee

*Important dates:

10/29 14:00 PM

inner-group checkpoint 1 (complete 40% up, discuss progress and sprint 2 backlog)

11/2 13:00 PM

inner-group checkpoint 2 (complete 80% up, start preparing presentation)

11/5 sprint 1 presentation due

11/6 sprint 2 backlog due

Sprint 1 backlog:

- Register (2hr):
 - Customize user
 - Extend Django built-in user
 - Add playlist and location
 - Guest user
 - Randomly generated account
 - Destroyed after disconnect
- Upload song list (10hr):
 - Upload interface
 - Link WeMusic account with Spotify account
 - Spotify API authentication
 - Incorporate Spotify web-api-auth example
 - Spotify API import user/ songs/ playlist
 - Use Spotify imported data to build song data model
- Play songs:
 - Stream interface
 - Store songs states
 - Ex: stopped at 2'12"
- Prioritize song list order
 - Order songs by likes

- Users in the same room could thumb up each song in this room's song list, and server could prioritize the song list order according to the like number
 - Order songs manually
 - The host of each room could prioritize the song list order manually
- Skipping songs
 - Dislike field
 - Users in the same room could thumb down each song in this room's song list
 - Decide threshold (e.g. 0.3): Define the threshold as 0.3, if 30% of users in this room thumb down this song, the songs would be skipped automatically
 - Play next song
 - Function to play the next song in the song list
- Localization (4h)
 - Public room entrance
 - Locate the host's position when public room created
 - Pop-up window for the user to enable locating
 - Tools to use: GoogleMap API, GeolP
- Create public room (6h)
 - Generate room key (0.5h)
 - Host could set unique room key as a token for other users to enter the room
- Join room (4h)
 - Enter code (1h)
 - Verify location (3h)
 - Only for public room
- Create private room (will be one of the focus for sprint 2)

Product owner for sprint 2: Xiaoyu Qiu

Product owner for sprint 3: Kai Ge

Sprint 1 Gantt Chart:

Purple: Kai	Green: Group	Thu	Fri	Sat	Sun	Mon	Tue
Blue: Han-Yu		Week1				Checkpoint 1	
Yellow: Xiaoyu						10/29	10/30
Category	Sub Tasks	10/25	10/26	10/27	10/28		
Sprint 1							
Register	Customize User						
	Guest User						
Upload Song List	Upload Interface						
	Link Account						
	Spotify Auth						
	Spotify Import						
	Build Data Model						
Play Songs	Stream Interface						
	Store Song States						
Prioritize Song List Order	Order Songs by Likes						
	Order Songs Manually						
	Dislike Field						
Skipping Songs	Play Next Song						
Localization	Public Room Entrance						
Create Public Room	Generate Room Key						
Join Room	Enter Code						
	Verify Location						
Debug and fix details							
Sprint 2 backlog							
Sprint 1 presentation							

Purple: Kai	Green: Group	Wed	Thu	Fri	Sat	Sun	Mon
Blue: Han-Yu		Week2		Checkpoint 2	Week2		Week3
Yellow: Xiaoyu		10/31	11/1	11/2	11/3	11/4	11/5
Category	Sub Tasks						
Sprint 1							
Register	Customize User						
	Guest User						
Upload Song List	Upload Interface						
	Link Account						
	Spotify Auth						
	Spotify Import						
	Build Data Model						
Play Songs	Stream Interface						
	Store Song States						
Prioritize Song List Order	Order Songs by Likes						
	Order Songs Manually						
	Dislike Field						
Skipping Songs	Play Next Song						
Localization	Public Room Entrance						
Create Public Room	Generate Room Key						
Join Room	Enter Code						
	Verify Location						
Debug and fix details							
Sprint 2 backlog							
Sprint 1 presentation							