ID	User Story (Who)	User Story (What)	User Story (Why)
1	Listener	Wants to create account	To listen to music
2	Listener	Wants to find recommended songs	Because they want new music to listen to
3	Listener	Wants to create a playlist	To save songs in one place
4	Listener	Wants to add or remove songs in the playlist	To personalize their playlist
5	Listener (Free tier)	Will occasionally hear advertisements	So owner of the platform collects revenue
6	Listener (Premium tier)	Wants to listen to music without any advertisements and with high audio quality	So that they can have an uninterrupted, high-fidelity listening experience.
7	Listener (Free tier)	Wants to upgrade to premium tier	To enjoy all of the benefits with upgrading their subscription
8	Listener	Wants to search for songs, albums, and artists by name	so that they can quickly and easily find the music they want to hear
9	Artist	Wants to upload their new songs or albums, and include details about their music, like genres and titles	So that their listeners can listen to their music releases
10	Artist	Wants to add, remove, or modify any of their items like cover, albums, and songs (personal content)	For legal reasons or reasons of personal taste

11	Administrator	Wants to remove an account or item	For breaking TOS
12	Administrator	Wants to add an account or item	Because of a successful appeal to regain their account
13	Administrator	Wants to change a user or item	For administrative reasons
14	Listener	Wants to press play on songs	To play the music

Requirements:

ID	Description	Inputs	Outputs	Preconditions	Postconditions
1	Show sign up to create account website	email, username, password, demographic information(?)	account verification email?	Email has been created, unique username, age requirement	Account gets created
2	Show recommended music	User history	songs according to algorithm	There exists songs on the platform	Songs are recommended
3	Display a list of songs after creating a playlist	Playlist name, songs in the playlist, image for the playlist	A playlist according to the specifications	Have an account	A playlist is created
4	Display options to add or remove songs to their playlist	Songs they want to add/remove	Confirm that the song has been added or removed	Has a playlist	Updated playlist
5	In accordance to a free tier of subscription, advertisements will be played	10 songs have been played	An advertisements plays	Free account and has listened to 10 songs	Advertisement is played
6	Play higher quality music for the user	Press play	High quality music	Have a premium tier account	Higher quality music achieved

7	Display "upgrade subscription" website	Bank card information, and subscription plan	Payment request, then confirmation of upgraded tier	Has a free account	Gets premium tier with all its benefits
8	Using a search bar, display desired result	Search query	Different potential matches to the query according to an algorithm	Have an account to be able to search	Display result to query
9	Artist personal page with the option to upload songs and albums	What they want to upload	Confirmed upload	Have an artist account and songs or albums to upload	Uploaded songs and albums
10	Display their personal content, such as songs, albums, and covers	What they choose to add, remove, or modify	Confirmation of changes	Have songs, albums, and covers already uploaded to modify	Final updated display
11	Display options to remove an account or item	Account or item to be removed	A removed account or item	Be an admin	Updated list of accounts or items
12	Display options to add an account or item	Accounts and items	An added account or item	Be an administrator	Updated list with the new accounts and items
13	Display options to modify accounts or items	Accounts and items	A modified account or item	Be an administrator with the rights to do this	Update the accounts and items as required
14	Display the song and play button	Play input	Song playing	Have a song to play	Song starts playing

Product backlog:

ID	Name	Imp	Est	Description	How to Demo
G7-1	Create Listener Account	30	8	As a Listener i want to create an account	show a user registering and the account in the user

					list.
G7-2	View Recommended Music	8	5	Listener views recommended music based on history and algorithms	Show user history, Ensure songs exist, display songs found through algorithm
G7-3	Create playlist	15	2	Playlist are good to be able to save songs in a place you can find easier	Log in, go onto your account and press new playlist, then insert playlist name and initial songs to playlist
G7-4	Add/remove songs in playlist	14	2	Listener adds or remove songs from an existing playlist	open playlist add/remove songs and then show updated playlist and confirmation
G7-5	Play advertisements	12	5	For revenue to the site to allow free users to use the app	Play 10 songs as a free user and then an advertisement should be played before being able to continue
G7-6	Premium high quality playback	14	3	premium users listen without ads and in high quality audio.	log in as premium, press play , verify high quality audio and no ads
G7-7	Upgrade tier	16	2	To unlock the premium aspects of an account, they need to be able to pay for it somehow	Log into your free account, go into "upgrade to premium", enter your bank account details and start subscribing to premium services. Now you should have no more ads and higher quality sound.
G7-8	search	20	8	listener searches for content through search bar, algorithm then returns the relevant result	Enter search, display results matching search, confirm multiple matches.
G7-9	Artist uploads songs/albums	28	5	artist uploads new songs/albums with metadata to the platform	Log in as an artist and upload files with metadata. Confirm upload appears in library
G7-10	Modify content	22	2	Sometimes changes	Log in to the artist

				need to be made, either by personal choice or because of legal reasons.	account, select items that need to be modified, make the desired changes and see them once the app is updated.
G7-11	admin remove accounts/items	25	2	admin removes accounts or items that violate TOS.	Log in as admin, select account/item, remove, show updated list.
G7-12	Add account or item	23	2	Add accounts or items that needs to be readded	As an admin, select items that have been removed that can be put back, and read them. Reload the site and see the lists updated.
G7-13	admin modify account/items	14	2	admin modifies existing account or content items.	Log in as admin, modify account/item, show updated display of modified content.
G7-14	Play Music	29	3	Listener presses play on a song, playlist, artist or album and proceeds to play desired song	As a listener, press play and listen for song

Sprint Backlog:

Task	Name	Effort (person days)	Duration (days)	Dependencies
T1	**G7-1** (Create Listener Account)	4	12	-
T2	**G7-14** (Play Music)	8	17	G7-1
T3	**G7-3** (Create playlist)	12	9	G7-1

T4	**G7-8** (Search)	2	8	G7-1
T5	**G7-4** (Add/remove songs in playlist)	5	10	G7-1, G7-3
T6	**G7-2** (View Recommended Music)	10	5	G7-1, G7-14
T7	**G7-9** (Artist uploads songs/albums)	25	13	G7-1
T8	**G7-5** (Play advertisements)	9	5	G7-1, G7-14
T9	**G7-6** (Premium high quality playback)	10	20	G7-1, G7-3, G7-2
T10	**G7-7** (Upgrade tier)	23	10	G7-1, G7-9, G7-5
T11	**G7-10** (Modify content)	13	6	G7-1, G7-6
T12	**G7-11, G7-12, G7-13** (Admin abilities)	20	15	G7-1