Team 13 Initial Project Description

Team Members
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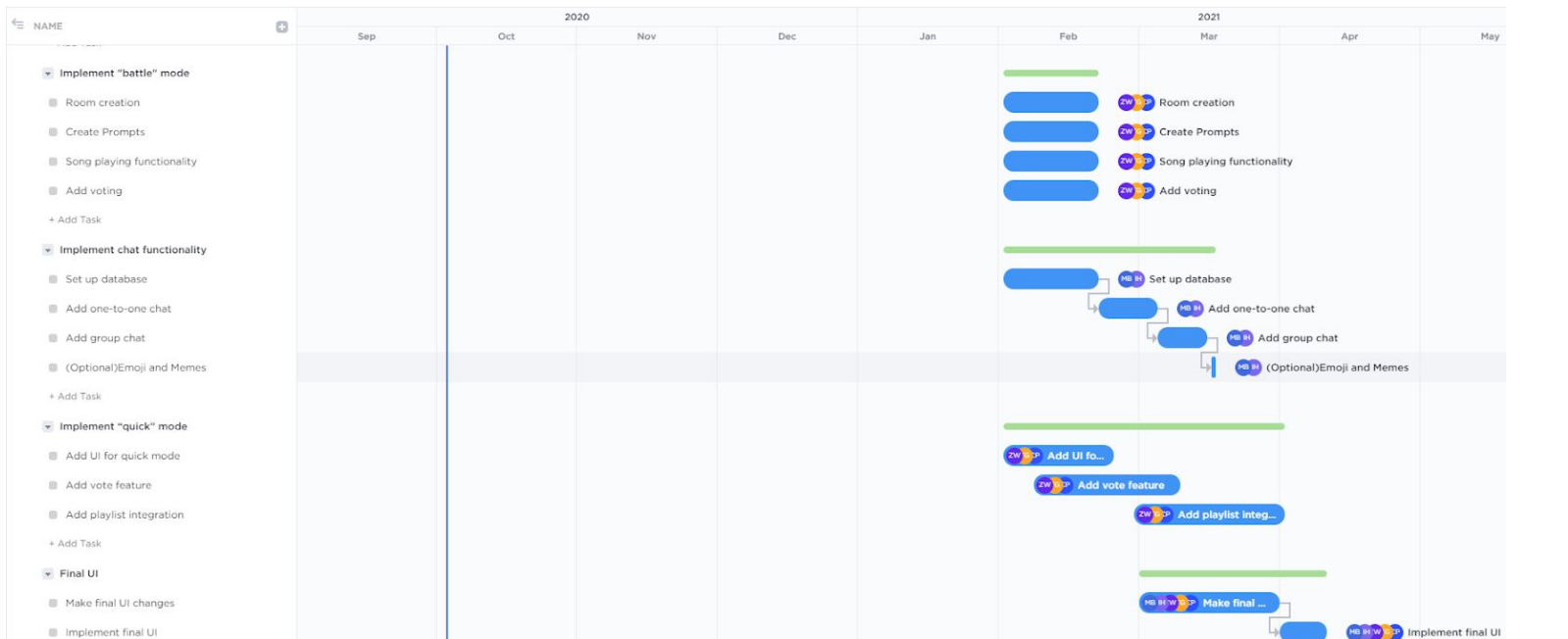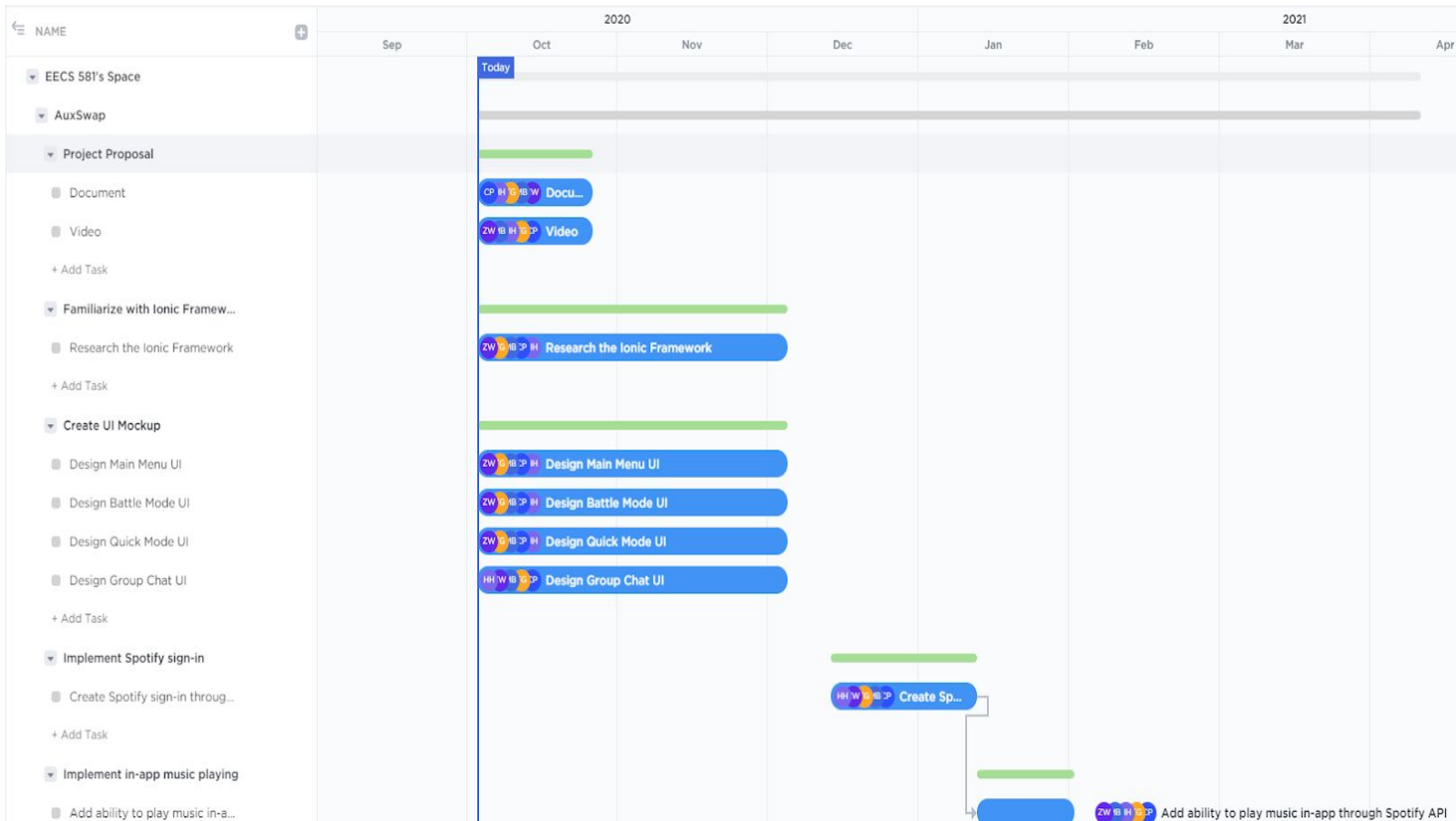
Project Name
AuxSwap

Project Synopsis
Web and Mobile application connecting Spotify users to allow for fun and interactive group song battles and social chat functionality for sharing and rating songs.

Project Description
This project is being undertaken to provide an interactive and social music sharing experience. Users can battle in rounds to see who has the best song choice for a given prompt, with the capability of adding the winning songs to your Spotify playlists. Alternatively, in scenarios where groups are struggling to decide on what songs to play, a quick mode allows for previewing of songs and voting for which one to add to the queue. Once enough rounds have been completed and the winning songs have been decided on, the queue is ready with all of the songs the group thought were the best. With chat room functionality, this allows for social sharing of songs with friend groups. The end result of this project will be a fully implemented music sharing application, developed for web and smartphones. We hope to release it on all app stores, so long as it meets our quality standards and app store criteria.

Project Milestone

Milestone	Description	Date
Semester 1		
Make Gantt Chart	Create Gantt chart and assign tasks to team members	Oct 5, 2020
Project Proposal	Create Project Proposal document and video	Oct 26, 2020
Familiarize with Ionic Framework	Research the Ionic Framework to understand how it works	Dec 4, 2020
Create UI Mockup	Create a rough draft UI mockup.	Dec 4, 2020
Semester 2		
Implement Spotify sign-in	Allow users to link their Spotify accounts	Jan 12, 2020
Implement in-app music playing	Utilize Spotify API to allow users to stream Spotify songs in-app	Feb 1, 2020
Implement "battle" mode	Given a prompt, players suggest a song and vote on the best one	Mar 15, 2020
Implement chat functionality	Create group chat functionality for sharing and playing music	Mar 20, 2020
Implement "quick" mode	Groups can vote on songs to be added to a group playlist	Apr 1, 2020
Redesign and implement UI	Finalize UI decisions and implement UI to app	Apr 10, 2020

Top Gantt chart (2020–2021)

NAME		
EECS 581's Space		
AuxSwap		
Project Proposal		
Document	CP IH G MB W	Docu...
Video	ZW MB IH G CP	Video
+ Add Task		
Familiarize with Ionic Framew...		
Research the Ionic Framework	ZW G MB CP IH	Research the Ionic Framework
+ Add Task		
Create UI Mockup		
Design Main Menu UI	ZW G MB CP IH	Design Main Menu UI
Design Battle Mode UI	ZW G MB CP IH	Design Battle Mode UI
Design Quick Mode UI	ZW G MB CP IH	Design Quick Mode UI
Design Group Chat UI	HH W MB G CP	Design Group Chat UI
+ Add Task		
Implement Spotify sign-in		
Create Spotify sign-in throug...	HH W G MB CP	Create Sp...
+ Add Task		
Implement in-app music playing		
Add ability to play music in-a...	ZW MB IH G CP	Add ability to play music in-app through Spotify API

Bottom Gantt chart (2020–2021)

NAME		
Implement "battle" mode		
Room creation	ZW G CP	Room creation
Create Prompts	ZW G CP	Create Prompts
Song playing functionality	ZW G CP	Song playing functionality
Add voting	ZW G CP	Add voting
+ Add Task		
Implement chat functionality		
Set up database	MB IH	Set up database
Add one-to-one chat	MB IH	Add one-to-one chat
Add group chat	MB IH	Add group chat
(Optional)Emoji and Memes	MB IH	(Optional)Emoji and Memes
+ Add Task		
Implement "quick" mode		
Add UI for quick mode	ZW G CP	Add UI fo...
Add vote feature	ZW G CP	Add vote feature
Add playlist integration	ZW G CP	Add playlist integ...
+ Add Task		
Final UI		
Make final UI changes	MB IH W G CP	Make final ...
Implement final UI	MB IH W G CP	Implement final UI

Project Budget

Item	Cost	Required Date
Website Domain	~$20	Feb 1 2021
Annual Apple App Store developer fee	$99	TBD
One time Google Play Store developer fee	$25	TBD