SHALOMINC_SMARTBEATS_Deliverable_2

Team Name: SHALOM INC

Project Name: SMARTBEATS

Team Members:

Bhargav Patel (N01373029),

Ripal Patel (N01354619),

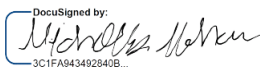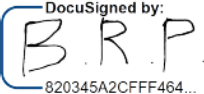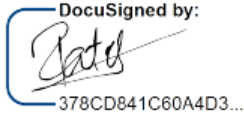**Vidhi Kanhye (N01354573) &**
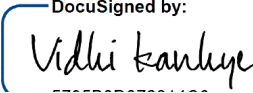
Nicholas Mohan (N01361663)

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Project Brief Description

The application itself is a controller for a smart home speaker. It will allow the user to control the music supplied to the speaker and accent lighting. Access to a song database will also be incorporated into this app for the online database functionality aspect.

Members Info and Participation

Name	ID	Signature	Effort
Nicholas Mohan	N01361663	*DocuSigned by:* [signature] 3C1FA943492840B...	25%
Bhargav Patel	N01373029	*DocuSigned by:* B . R . P. 820345A2CFFF464...	25%
Ripal Patel	N01354619	*DocuSigned by:* [signature] 378CD841C60A4D3...	25%
Vidhi Kanhye	N01354573	*DocuSigned by:* Vidhi kanhye	25%

Theme and Epics

Sprint 1(Sept 29th - Oct 11th) Epic: Make a color selector

	Assigned	Status	Start Date	End Date
For the user's convenience, a color picker/wheel is set up so that the user can change the LED light to their own liking, ra...	▾ ⚐ 6	Pending		

Subitems	Owner	Status	Size	Start Date	End Date
Add a color wheel	NM B	Done	M	Sep 28	Oct 8
Add a pre selected set of colors	Ⓡ	Pending	S		
Create an "empty palette"	Ⓡ	Pending	S		
Have a random color generator	Ⓡ	Pending	S		
Show the RGB numbers.	Ⓡ	Pending	S		
Save the the user's color preference to the database	Ⓡ	Pending	S		
+ Add Subitem					

		Status			
A slider to adjust brightness and dimness of the lights.	▾ ⚐ 5	Pending		

Subitems	Owner	Status	Size	Start Date	End Date
Add a slider to adjust brightness	VK	Done	S	Sep 28	Oct 11
Set buttons for quick change of brightness(50% bright or 20% bright etc)	Ⓡ	Pending	S		
Implement an auto brightness option	Ⓡ	Pending	S		
Have ON/OFF button	NM	Done	M	Sep 28	Oct 8
Show a preview of color with the desired light intensity	B	Done	S	Sep 28	Oct 4
+ Add Subitem					

		Status			
The LEDs will flash with the sync of the music. This will set up the mood depending on how the user wants it(workout m...	▾ ⚐ 5	Pending		

Subitems	Owner	Status	Size	Start Date	End Date
Implemenent a function that synchronize the light color to the music beats	Ⓡ	Pending	S		
Provide a selection of light modes(workout, zen, party etc)	Ⓡ	Pending	S		
Create a function for pulsating light	Ⓡ	Pending	S		
Add a slider to adjust the speed of the pulsating light	Ⓡ	Pending	S		
Implement different modes of flashing lights	Ⓡ	Pending	S		
+ Add Subitem					

Sprint 2() Epic: Add a music selector		Assigned	Status	Start Date	End Date	⊕
The user should be able to make a selection of their music, either from their phone or from the provided list from the clo...	⊕	▾ ⊞ 5	Pending			

Subitems		Owner	Status	Size	Start Date	End Date	⊕
Create a cloud server and add music	⊕	⊘	Pending	S			
Develop an option for user to select music from their device	⊕	⊘	Pending	S			
"Create a playlist" and "Select playlist" option	⊕	⊘	Pending	S			
Save the user's music preference to the database	⊕	⊘	Pending	S			
Develop an "auto create playlist" based on user's most listened music	⊕	⊘	Pending	S			
+ Add Subitem							

The user can set up a timer; the duration the speaker can play and will turn off automatically.	⊕	▾ ⊞ 5	Pending			

Subitems		Owner	Status	Size	Start Date	End Date	⊕
Add ON/OFF button for speaker	⊕	NM	Done	L	Oct 8	Oct 8	
Create a timer setup	⊕	⊘	Pending	S			
Develop a function where user can schedule a music playlist to play if speaker is on or in idle mode	⊕	⊘	Pending	S			
Save the user timer preferences in a database	⊕	⊘	Pending	S			
Develop an idle time detection so that speaker can shut down automatically	⊕	⊘	Pending	S			
+ Add Subitem							

Rather than having the user control the music(play, pause,next,previous) on the speaker, they can control from the applic...	⊕	▾ ⊞ 5	Pending			

Subitems		Owner	Status	Size	Start Date	End Date	⊕
Create the music player(play pause next buttons)	⊕	B	Done	L	Sep 28	Oct 10	
Display the music queue	⊕	⊘	Pending	S			
Play music on repeat or shuffle mode	⊕	⊘	Pending	S			
Use Google assistant to control the media player	⊕	⊘	Pending	S			
Implement the color theme to the media player otherwise use album logo	⊕	⊘	Pending	S			
+ Add Subitem							

DOD Criteria for Completed Tasks

Add a colour picker - The code is written and tested.
Add a slider to adjust brightness - Non-functional requirements met and haven't added the functionality yet.
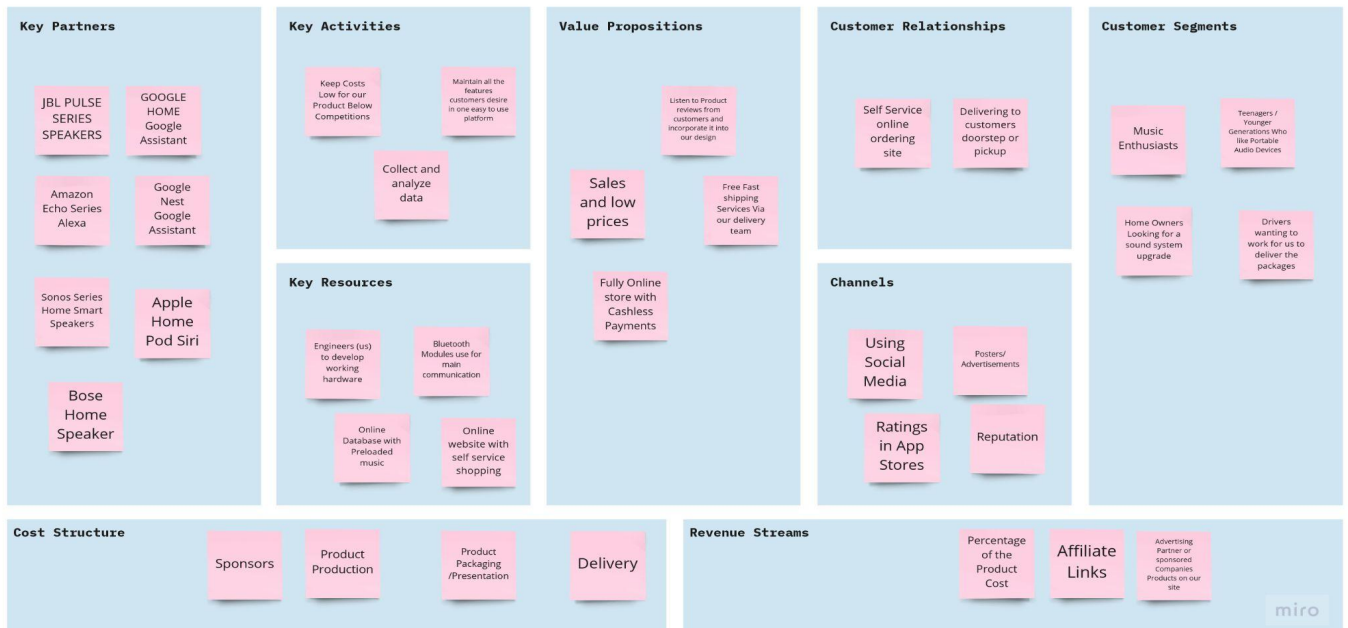ON/OFF button for lights and speaker - Implemented the functionality by indicating the snackbar for ON and OFF switch.
Show a preview of color with the desired light intensity - Code reviewed and unit test passed.
Create the music player - Build has been made and deployed on a testing environment.

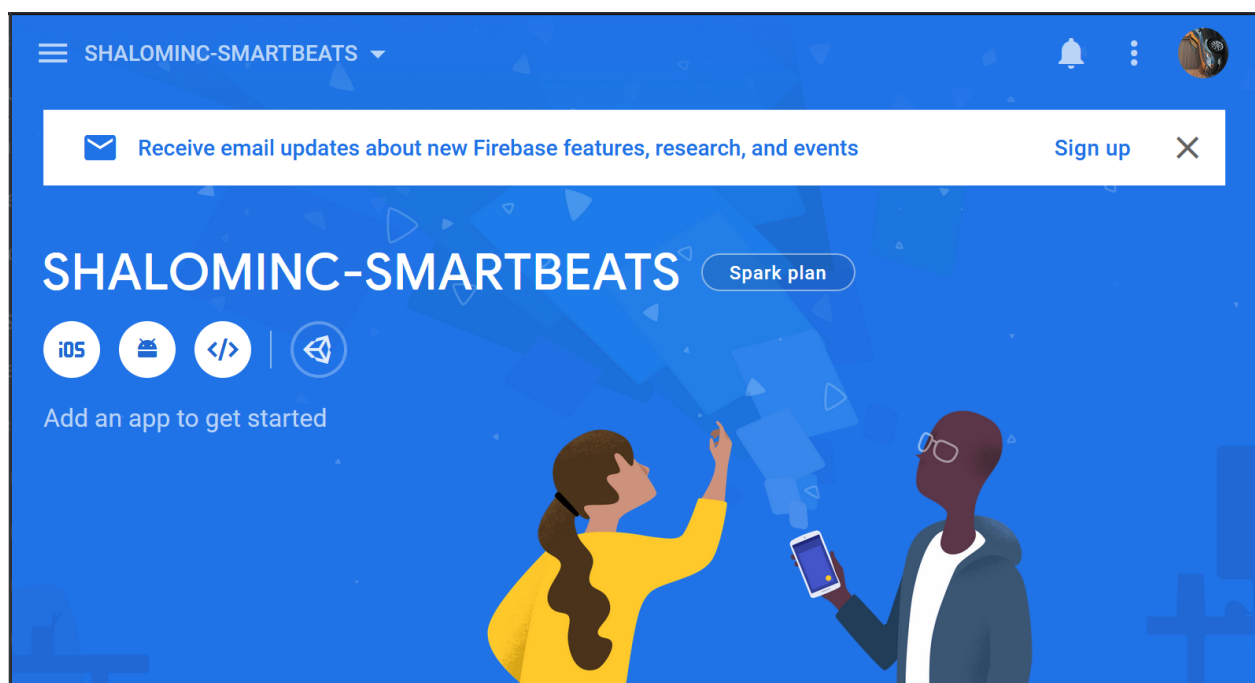## Business Model Canvas Shalom Inc - SMARTBEATS

The Business Model Canvas

DataBase Screenshot

Database Type: Firebase - Firestone
Project Name: SHALOM INC - SMARTBEATS

Cloud Firestore ❓

Data   Rules   Indexes   Usage

✦ **Prototype and test end-to-end with the Local Emulator Suite, now with Firebase Authentication**   Get started ⬀   ✕

🏠

≋   shalominc-smartbeats

+ Start collection

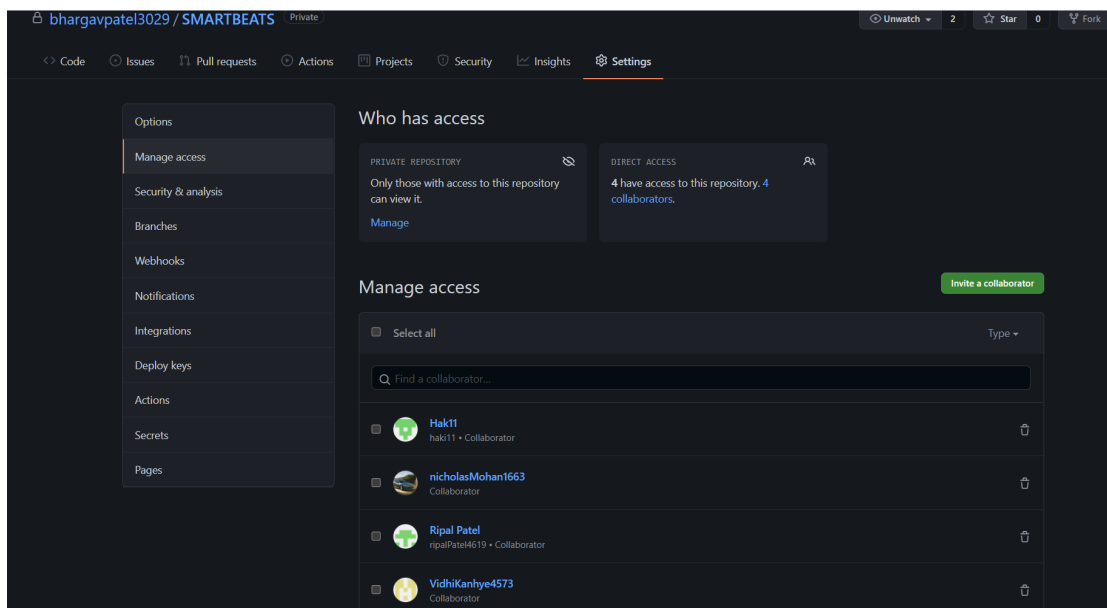Your database is ready to go. Just add data.

Cloud Firestore location: nam5 (us-central)

GitHub Link and Proof of Invitation

GitHub Link: https://github.com/bhargavpatel3029/SMARTBEATS
Screenshot of Github Invitation:

Daily Standups Outcome

Daily-stand up

DATE	INFO
29th Sept	Initiated deliverable 2 with all the team members. Decided Ripal and Vidhi would work on design of the app. Bhargav and Nicholas decided to few functionalities for app.
30th Sept	Document discussion and assigning work to all individuals. Establishing timeline to complete Deliverable 2 by Oct 9th
1st Oct – 3rd Oct	Project manager finished explaining Business Model Canvas. Need the team to review the documentation once. Bhargav Patel updated the pdf by mentioning the work in progress since Deliverable 1.
4th Oct – 7th Oct	Vidhi created stories and tasks for the projects and made the dashboard. Added everyone to the Monday.com. Ripal finished explaining tasks which are marked done through the DOD criteria. Established new timeline to finish the deliverable since the team is lagging on completion of tasks that were assigned.
8th Oct – 11th Oct	Design session with Vidhi and Ripal, decided the theme of the app and completion of work. Nicholas finished up the part assigned to him. Bhargav finished up work by making splash screen.
12th Oct	Reviewing the deliverable one last time making sure no requirements are missed.

Progress since deliverable 1

Since deliverable 1 there have been many layout changes to the application. Overall, some of the major features/functionality that were added in this app are color changer and media player in our lights and music fragments. In addition, allowing the user to turn on bluetooth through the app was another major functionality. In order to get them working we had to seek permissions from the user, so error checking and permission checking code was added to make it fully functional. Minor changes such as the splash screen, menu options, settings options and horizontal and vertical screens for each fragment were also added to complete the app's layout. In the end, functionality of most of these features are yet to be added but, for a starter this is a great example of how we intend our application to look and feel like in its final form.