SHALOMINC_SMARTBEATS_Deliverable_1

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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Team Contract

CENG-322 TEAM PROJECT Contract

Team Name: SHALOM INC

Project Name: SMARTBEATS

Please negotiate, sign, scan and include as the first section in your Deliverable 1.

Please note that if cheating is discovered in a group assignment each member will be charged with a cheating offense regardless of their involvement in the offense. Each member will receive the appropriate sanction based on their individual academic honesty history.

Please ensure that you understand the importance of academic honesty. Each member of the group is responsible to ensure the academic integrity of all of the submitted work, not just their own part. Placing your name on a submission indicates that you take responsibility for its content.

Team Member Names (Please Print)	Signatures	Student ID
Project Leader: Nicholas Mohan	DocuSigned by: 3C1FA943492840B...	N01361663
Bhargav Patel	DocuSigned by: B R P 820345A2CFFF464...	N01373029
Ripal Patel	DocuSigned by: Patel 378CD841C60A4D3...	N01354619

Vidhi Kanhye	DocuSigned by: Vidhi Kanhye	N01354573

For further information read Academic Honesty Policy on https://humber.ca/legal-and-risk-management/policies/search-by-students.html.

By signing this contract, we acknowledge having read the Humber Academic Honesty Policy as per the link below.

https://academic-regulations.humber.ca/2018-2019/17.0-ACADEMIC-MISCONDUCT

Responsibilities of the Project Leader include:

- Assigning tasks to other team members, including self, in a fair and equitable manner.
- Ensuring work is completed with accuracy, completeness and timeliness.
- Planning for task completion to ensure timelines are met
- Any other duties as deemed necessary for project completion

What we will do if . . .

Scenario	Accepted initials	We agree to do the following
Team member does not deliver component on time due to severe illness or extreme personal problem	NM BP VK RP	a) Team absorbs workload temporarily __ b) Team seeks advice from professor ✔ c) Team shifts target date if possible __ d) Other:

Team member cannot deliver component on time due to lack of ability	NM BP VK RP	a) Team reassigns component __ b) Team helps member __ c) Team member must ask professor for reference material ✔️ d) Other:
Team member does not deliver component on time due to lack of effort	NM BP VK RP	a) Team absorbs workload __ b) Team "fires" team member by not permitting his/her name on submission __ c) Other: Consult the professor depending on the scenario✔️
Team member does not attend team meeting	NM BP VK RP	a) Team proceeds without him/her and will assign work to the absent member ✔️ b) Team doesn't proceed and records team member's absence __ c) Team proceeds for that meeting but "fires" member after __ occurrences __

An unforeseen constraint occurs after the deliverable has been allocated and scheduled (a surprise test or assignment)	NM BP VK RP	a)Team meets and reschedules deliverable __ b) Team will cope with constraint ✔ c) Other:
Team cannot achieve consensus leaving one member feeling "railroaded", "ignored", or "frustrated" with a decision which affects all parties	NM BP VK RP	a) Team agrees to abide by majority vote ✔ b) Team flips coin __ c) Other:
Team members do not share expectations for grade desired	NM BP VK RP	a) Team will elect one person as "standards-bearer" who has the right to ask that work be redone ✔ b) Team votes on each submission's quality __ c) Team will ask for individual marking and will identify sections by author __ d) Other:

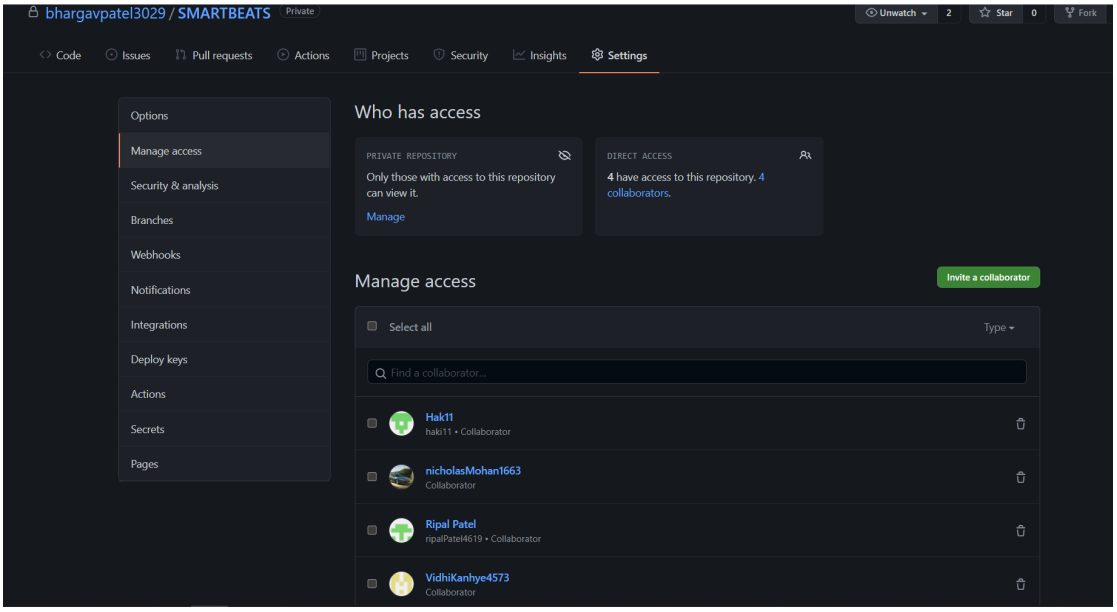
Team member behaves in an unprofessional manner by being rude or uncooperative	NM BP VK RP	a) Team attempts to resolve the issue by airing the problem at team meeting ✔ b) Team requests meeting with professor to problem-solve __ c) Team ignores behaviour __ d) Team agrees to avoid use of all vocabulary inappropriate to the business setting __
Team member assumes or requests that his/her name be signed to a submission but has not participated in production of the deliverable	NM BP VK RP	a) Team agrees that this is cheating and is unethical ✔ b) Friends are friends and should help each other __ c) Team will submit with signature but will advise professor who will take action __
There is a dominant team member who is content to make all decisions on the team's behalf leaving some team members feeling like subordinates rather than equal members	NM BP VK RP	a) Team will actively solicit consensus on all decisions which affect project direction by asking for each member's decision and vote ✔ b) Team will express subordination feelings and attempt to resolve issue __ c) Other:

Team has a member who refuses to participate in decision making but complains to others that s/he wasn't consulted	NM BP VK RP	a) Team forces decision sharing by routinely voting on all issues __ b) Team routinely checks with each other about perceived roles ✔️ c) Team discusses the matter at team meeting __

GitHub Link and Proof of Invitation

GitHub Link: https://github.com/bhargavpatel3029/SMARTBEATS

Screenshot of Github Invitation:



Project Background and Description

1. Describe the project goals and final vision.
The purpose of this project is to create a practical smart home sound system that can be controllable remotely using an app. The app will support the capability to stream music to a single or assigned group of wireless speakers. The sound system can be accessible from any corner around the house limited to a certain range. Our final vision is to provide the latest service to the users with best sound quality and effective cost.

2. Describe the software aspect and hardware.
We will be using the bottom navigation drawer to have settings for LED Lights and Smart Speaker. For hardware, we choose PCB assembly option 1 using the SEED Studio to build the board and also the soldering process is efficient and easier compared to the other option.

3. Describe the screen flows.
So far we thought of adding 2 screens, first one will be the speaker screen and second will be the LED screen.

4. How will you Incorporate the feedback provided through the interview.

The experience of the room filled with music and lightings, beneficial to your mental health.

5. Demonstrate how you are planning to read / write from the DB which is hosted on the cloud.

For the reading and writing from the database we will have music stored on the database. It will be able to read/ stream or download music from the database and play it on our speaker. You can also buy more music and upload the music files to the cloud via our app.

Project Scope

12. Project Scope: Describe the technical scope of the project by talking about the project plan, and how you will know when the project is complete.

The project is to build a “Smart Sound System”. There will be a smart voice assistant equipped with the speaker. There are a lot of speakers which are very costly in the stores, henceforth we can prove that our build will be less costly and provide the appropriate features required for the system. Time will be our major issue but other issues are smart voice assistants as we never built our own voice assistant capable speaker. There are issues in this project but those are the reasons which makes it more exciting and challenging. With the LED’s, it will be hard to sync the flashing lights with the music. Overall the build should consist of a bluetooth speaker with a voice assistant which will have flashing LEDs controllable by the music.

Theme and Epics

13. Write Minimum of 1 theme (two epics, and 3 stories for each epic).

Theme: User controls the speaker					
Epic: Add a music selector			Epic: Make a color selector		
The user should be able to make a selection of their music, either from their phone or from the provided list from the cloud.	The user can set up a timer; the duration the speaker can play and will turn off automatically.	Rather than having the user control the music(play, pause,next, previous) on the speaker, they can control from the application itself, through the interface or through voice command.	For the user's convenience, a color picker/wheel is set up so that the user can change the LED light to their own likings, rather than remembering the rgb code numbers.	A slider to adjust brightness/ dimness of the lights.	The LEDs will flash with the sync of the music. This will set up the mood depending on how the user wants it(relaxing, energetic etc).