

CENG-322 Software Project

Deliverable 1

The Second Dawn

A.L.I.E

CENG-322

Haki Sharifi

Sept 25, 2022

Team Member Information

Team Member Names:	Student ID's:
Paramand Mohabir	N01421732
Paolo Brancato	N01434080
Dave Patel	N01465129
Vladislav Vassilyev	N01436627

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CENG-322 TEAM PROJECT CONTRACT

Team Name: The Second Dawn

Project Name: A.L.I.E

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 offence regardless of their involvement in the offence. 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 group member is responsible for ensuring 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: Paramand Mohabir	P.M	N01421732
Paolo Brancato	P.B	N01434080
Dave Patel	D.P	N01465129
Vladislav Vassilyev	V.V	N01436627

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	P.M D.P P.B V.V	a) Team absorbs workload temporarily Yes d) Other:
Team member cannot deliver component on time due to lack of ability	P.M D.P P.B V.V	a) Team reassigns component ____ b) Team helps member Yes b) Team "fires" team member by not permitting his/her name on submission ____ d) Other:
Team member does not deliver component on time due to lack of effort	P.M D.P P.B	a) Team absorbs workload Yes

Scenario	Accepted initials	We agree to do the following
	V.V	b) Team "fires" team member by not permitting his/her name on submission ____ c) Other:
Team member does not attend team meeting	P.M D.P P.B V.V	a) Team proceeds without him/her and will assign work to the absent member Yes 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)	P.M D.P P.B V.V	a) Team meets and reschedules deliverable Yes b) Team will cope with constraint ____ c) Other:
Team cannot achieve consensus leaving one member feeling "railroaded",	P.M D.P	a) Team agrees to abide by majority vote Yes

Scenario	Accepted initials	We agree to do the following
"ignored", or "frustrated" with a decision which affects all parties	P.B V.V	b) Team flips coin ____ c) Other:
Team members do not share expectations for grade desired	P.M D.P P.B V.V	a) Team will elect one person as "standards-bearer" who has the right to ask that work be redone Yes 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	P.M D.P P.B V.V	a) Team attempts to resolve the issue by airing the problem at team meeting ____ b) Team ignores behaviour ____ c) Team agrees to avoid use of all vocabulary inappropriate to the business setting Yes d) Team fires the team member.
Team member assumes or requests that his/her name be signed to a submission	P.M D.P P.B	a) Team agrees that this is cheating and is unethical ____

Scenario	Accepted initials	We agree to do the following
but has not participated in production of the deliverable	V.V	b) Friends are friends and should help each other Yes c) That person name will not be put on the submission.
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	P.M D.P P.B V.V	a) Team will actively solicit consensus on all decisions which affect project direction by asking for each member's decision and vote Yes 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	P.M D.P P.B V.V	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 Yes

Signatures

Team Member Names:	Signatures
Paramand Mohabir	P.M
Paolo Brancato	P.B
Dave Patel	D.P
Vladislav Vassilyev	V.V

GitHub Repo

<https://github.com/ParamandMohabir1732/A.L.I.E/>

GitHub Invitation

The screenshot shows the GitHub repository settings page for the repository 'ParamandMohabir1732 / A.L.I.E', which is marked as 'Private'. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. The left sidebar contains a menu with categories: General, Access (with 'Collaborators' selected), Code and automation (Branches, Tags, Actions, Webhooks, Pages), Security (Code security and analysis, Deploy keys, Secrets), and Integrations (GitHub apps, Email notifications). The main content area is titled 'Who has access' and shows two boxes: 'PRIVATE REPOSITORY' (Only those with access to this repository can view it) and 'DIRECT ACCESS' (4 have access to this repository, 4 collaborators). Below these is the 'Manage access' section, which includes a search bar and a list of collaborators: DavePatel5129, Hak11, PaoloBrancato4080, and VladislavVassilyev6627. Each collaborator has a 'Remove' button. At the bottom, there is a promotional banner for creating a team organization.

ParamandMohabir1732 / A.L.I.E Private

Unwatch 2 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Security Insights Settings

General

Access

Collaborators

Code and automation

Branches

Tags

Actions

Webhooks

Pages

Security

Code security and analysis

Deploy keys

Secrets

Integrations

GitHub apps

Email notifications

Who has access

PRIVATE REPOSITORY

Only those with access to this repository can view it.

Manage

DIRECT ACCESS

4 have access to this repository, 4 collaborators.

Manage access

Add people

Select all Type

Find a collaborator...

DavePatel5129 Collaborator Remove

Hak11 haki11 • Collaborator Remove

PaoloBrancato4080 PaoloBrancatoN01434080 • Collaborator Remove

VladislavVassilyev6627 Collaborator Remove

Get team access controls and discussions for your contributors in an organization. NEW Private repos and unlimited members are free. [Create an organization](#)

Project Background & Description

1. Describe the project goals and final vision.

Our objective is to develop a fully functional voice-activated device that can control different PCB board components. We'll incorporate four gadgets into our device: a fan, an amplifier for the speakers, a voice recognition system, and LED lights.

The voice recognition system will enable the user to issue numerous instructions, the led lights and fan will switch on and off at the user's demand, and the speaker amplifier will play music. Each device will perform as intended and fulfil its primary purpose.

2. Describe the software aspect and hardware.

In terms of software, we are using AndroidStudio to build an app that we will use to construct A.L.I.E, an app that allows us to control our device via the Firebase DB cloud. We'll use a smart fan, LED strips, voice recognition, and speaker amplifier as hardware.

3. Describe the screen flows.

Our app will integrate a Navigation Drawer with many fragment screens for controlling the various features. Every screen will be appropriately laid up and simple to use, making the app use seamless for everyone.

4. How will you incorporate the feedback provided through the interview?

After the interview, we received no comments because we already had a well-thought-out plan.

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

We plan on using the FireBase DB to send and receive information between the cloud on the internet to the hardware we are making. For instance, if I want to change the LED light colours, I would use my Android app to select the desired colour, then transmit the information to the Firebase Database, where it would be received by the hardware.

Project Scope

The technical scope of this project is to accomplish our goal by developing a fully functional A.I. called "A.L.I.E," which will control different components on our PCB Board. The project plan to accomplish this goal is to plan out our work in phases. In Phase 1, we will design our PCB board on the website called *Fritzing*. Then, once our design is completed and verified, we move on to Phase 2, which is to order our PCB board and also order our four components, which are a fan, a speaker amplifier, a voice recognition system, and LED strip lights. Once the parts are delivered, we move on to Phase 3, which is to solder our components onto our new PCB board and make sure all components are functional. Once the board is complete, we move on to Phase 4, which is to code our components into our Android Studio Project A.L.I.E and send data to the Firebase Database and then to our hardware. The final phase in our project is to present our new A. I. 'A.L.I.E' to the professor for evaluation. Our team, The Second Dawn, will know our project is completed when our A. I can control all 4 components on our PCB Board using our app 'A.L.I.E' and function as planned with a high degree of effectiveness.

Theme & Stories

The theme we have chosen is to get more people to purchase our product after the initial release date. Our products weren't being sold as much due to the high competition in the market for A. I controlled devices. For us, The Second Dawn, to solve this, the two epic methods we will be using to fulfil this goal are to, create a commercial for our product and also use a mobile app to get more purchases.

The Commercial Epic Stories:

1. Create TV commercials to advertise our product and have it displayed all around the world where everyone can see how amazing or A. I can be.
2. Advertise our product on a website to host a community meeting so everyone can have a chance to test out our A. I and see if there is anything eye-catching that will make them consider buying our product.
3. Post our product on social media to show new people how it functions.

This hypothetical epic to use commercials to boost our sales is an amazing idea to showcase and advertise our product to the public.

Mobile App Epic Stories:

1. Add text message capabilities to send promos and coupons to the users that have registered to our app.
2. Have discounts on our products on our mobile app on special holidays like Christmas or Black Friday.
3. Create creative promo email promotions for new users.

This hypothetical epic to use our app called 'A.L.I.E' to boost revenue sales is a good idea to encourage people to buy our product with discounts or coupons.