

Deliverable 2

Team Information

Team Name: Centurion

Project Name: Centurion Home Control System

Team Members:

Andres Vargas(N01359071), Ibrahim Abdiaziz(N01394807), Zachary Symons(N01390593),
Jonathan Alexandris (N01352690)

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Effort

Name	id	Signature	Effort
Zachary Symons	N013905932	ZS	100%
Andres Vargas	N01359071	AV	100%
Ibrahim Abdiaziz	N01394807	IA	100%
Jonathan Alexandris	N01352690	JA	100%

Project Background and Description

Goals & Vision

The goal for this app is to make an all-in-one home security system that incorporates many parts of a home. This security system will be through our app that can control all aspects of our security system from your fingertips.

Github Link

- <https://github.com/ZacharySymons-n01390593/Centurion>
- We are all merging to the master branch

Manage access

Add people

☐ Select all

Type ▾

Find a collaborator...

☐

ali-lab2020

Awaiting ali-lab2020's response

Pending Invite

☐

AustinCENG

Awaiting AustinCENG's response

Pending Invite

☐

Hak11

hak11 • Collaborator

☐

IbrahimAbdiaziz4807

IbrahimAbdiaziz4807 • Collaborator

☐

JonathanAlexandris2690

Collaborator

☐

VargasAndres9071

Collaborator

Themes & Epics

Tasks which are marked done have had all tasks completed, and tested. Once these requirements are met they are DONE

Design Light Control Fragment

Subite...

Person

Status

Date

Size

⊕

as a user, I want to set a timer for how long the light will remain on after detection

⊕

5

JA

Working on it

Large

⊕

Subitems

Owner

Status

Date

⊕

⊕

navigate to the light control screen and locate the drop down menu that allows me to pick a amount of time for the light to remain on

⊕

notify the user when the timer is up

⊕

connect the motion detection to database to keep logs of detections

⊕

send logs to other activities

⋮

when detected the the timer will count down and the count down can be viewed on the home screen

Edit

⊕

+ Add Subitem

As a user I want to set a scheduled time for the light to be on

⊕

3

Working on it

Oct 14

Small

⊕

Subitems

Owner

Status

Date

⊕

⊕

image button opens time picker for start time

⊕

image button opens time picker for end time

⊕

after times are validated save times and log when light is on in database

⊕

+ Add Subitem

As a user, I want to be able view motion detection history		4	Working on it	Oct 12	Medium
Subitems	Owner	Status	Date		
Create Database to store motion detection event					
Create page to view motion detection history					
link recent history to menu					
design look for the alarm notification in "recent history"					
+ Add Subitem					

As a user, I want to manually control the light at any time		4	Working on it		Small
Subitems	Owner	Status	Date		
navigate to light control and use the on/off switch					
create logic for light switch to override any other control from timer or schedule					
when light has been manually shut off log data					
If light is manually shut off then send notification to user of detections					
+ Add Subitem					

Business Model Canvas

Key partners

Who are your most important partners?

Which key resources do you acquire from partners?
Which key activities do your partners perform?

**Andres Vargas(N01359071),
Ibrahim Abdiaziz(N01394807), Zachary
Symons(N01390593), Jonathan Alexandris
(N01352690)**

● Key activities

● What are the activities you perform every day to create & deliver your value proposition?

- **Monitoring app for bugs and fixing them as soon as possible**
- **R&D to continue to make our app better**

● Value propositions

● What is the value you delivery to your customer?

Which of your customer's problems are you helping to solve?
What is the customer need that your value proposition addresses?
What is your promise to your customers?
What are the products and services you create for your customers?

This app is going to make an all-in-one home security system that incorporates many parts of a home. This security system will be through our app that can control all aspects of our security system from your fingertips.

We will create hardware to accompany the app to give us readings and control the home control system.

● Customer relationships

● What relationship does each customer segment expect you to establish and maintain?

- **Customer can report bugs via email**
- **Customer satisfaction top priority**

● Customer segments

For whom are you creating value?
What are the customer segments that either pay, receive or decide on your value proposition?

- **Customers looking for a complete home control system**
- **Home owners**
- **Mass market**
- **Customers who value security**

Key resources

What are the resources you need to create & deliver your value proposition?

- **Raspberry pi**
- **Custom PCB**
- **App from app store**

Channels

How does your value proposition reach your customer? Where can your customer buy or use your products or services?

- **App can be found on google play store**

Cost structure

What are the important costs you make to create & delivery your value proposition?

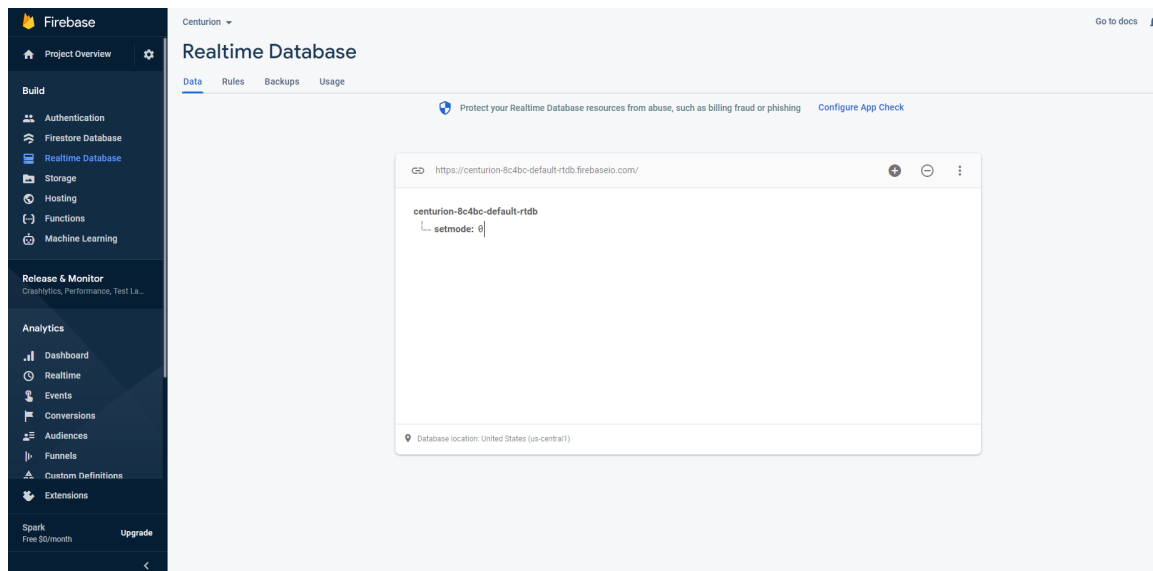
- **Cost of hardware**

Revenue streams

How do customers reward you for the value you provide to them?
What are the different revenue models?

- **Revenue will be from purchases from app store**

Database



Daily Stand Up

Date	Time	Topic
Oct 8	11:00AM	Briefing of requirements, and what we need to work on,

Oct 10th	6pm	Fragments and where everyone should be at
Oct 11th	8am	Business side and comments on everyone's fragments

Coding progress

- Fragments have much more style and key design features added
- Database created
- Splash screen implemented
- Menu added
- Settings with options added

CENG-322 TEAM PROJECT

Team Name: Centurion

Project Name: Centurion Home Control System

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: Zachary Symons	<i>Zachary Symons</i>	N01390593
Andres Vargas	<i>Andres Vargas</i>	N01359071

Jonathan Alexandris	<i>Jonathan Alexandris</i>	N01352690
Ibrahim Abdiaziz	<i>Ibrahim Abdiaziz</i>	N01394807

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	ZS JA IA AV	a) Team absorbs workload temporarily ____ b) Team seeks advice from professor <u>X</u> c) Team shifts target date if possible ____ d) Other:
Team member cannot deliver component on time due to lack of ability	ZS JA IA AV	a) Team reassigns component ____ b) Team helps member <u>X</u> c) Team member must ask professor for reference material ____ d) Other:
Team member does not deliver component on time due to lack of effort	ZS JA IA AV	a) Team absorbs workload <u>X</u> b) Team "fires" team member by not permitting his/her name on submission ____ c) Other:

Team member does not attend team meeting	ZS JA IA AV	<p>a) Team proceeds without him/her and will assign work to the absent member <u>X</u></p> <p>b) Team doesn't proceed and records team member's absence ____</p> <p>c) Team proceeds for that meeting but "fires" member after ____ occurrences ____</p>
An unforeseen constraint occurs after the deliverable has been allocated and scheduled (a surprise test or assignment)	ZS JA IA AV	<p>a) Team meets and reschedules deliverable <u>X</u></p> <p>b) Team will cope with constraint ____</p> <p>c) Other:</p>
Team cannot achieve consensus leaving one member feeling "railroaded", "ignored", or "frustrated" with a decision which affects all parties	ZS JA IA AV	<p>a) Team agrees to abide by majority vote <u>X</u></p> <p>b) Team flips coin ____</p> <p>c) Other:</p>

Team members do not share expectations for grade desired	ZS JA IA AV	<p>a) Team will elect one person as "standards-bearer" who has the right to ask that work be redone ____</p> <p>b) Team votes on each submission's quality <u>X</u></p> <p>c) Team will ask for individual marking and will identify sections by author ____</p> <p>d) Other:</p>
Team member behaves in an unprofessional manner by being rude or uncooperative	ZS JA IA AV	<p>a) Team attempts to resolve the issue by airing the problem at team meeting <u>X</u></p> <p>b) Team requests meeting with professor to problem-solve ____</p> <p>c) Team ignores behaviour ____</p> <p>d) Team agrees to avoid use of all vocabulary inappropriate to the business setting ____</p>

Team member assumes or requests that his/her name be signed to a submission but has not participated in production of the deliverable	ZS JA IA AV	<p>a) Team agrees that this is cheating and is unethical <u>X</u></p> <p>b) Friends are friends and should help each other ____</p> <p>c) Team will submit with signature but will advise professor who will take action ____</p>
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	ZS JA IA AV	<p>a) Team will actively solicit consensus on all decisions which affect project direction by asking for each member's decision and vote <u>X</u></p> <p>b) Team will express subordination feelings and attempt to resolve issue ____</p> <p>c) Other:</p>

<p>Team has a member who refuses to participate in decision making but complains to others that s/he wasn't consulted</p>	<p>ZS JA IA AV</p>	<p>a) Team forces decision sharing by routinely voting on all issues __</p> <p>b) Team routinely checks with each other about perceived roles <u>X</u></p> <p>c) Team discusses the matter at team meeting __</p>
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