

## CAPABILITIES DOCUMENT

**Project:** ECSE 211 Final Design Project – Team 6

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[13/10/2017] Josh Inscoe: second version of the document

[14/10/2017] Frederic Cyr: third version of the document

[14/10/2017] Alex Hale: fourth version, added my information and details

[15/10/2017] Justin Tremblay: Converted availabilities to tables to simplify reading and added various details.

[15/10/2017] Xianyi Zhan: sixth version, added my information and details.

[15/10/2017] Xu Hai: seventh version, added my information and details.

[16/10/2017] Frederic Cyr: eighth version, added my information and details.

[16/10/2017] Alex Hale: changed version system to WEEK.EDIT (e.g. it is currently week 1, edit 9 => 1.9).

[22/10/2017] Alex Hale: added week-to-week availabilities, updated formatting

[5/11/2017] Alex Hale – Minor formatting touch-ups

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### 2.0 TEAM MEMBERS

Josh Inscoe – Design Team Manager - [jinscoe123@gmail.com](mailto:jinscoe123@gmail.com)

Alex Hale – Design Documentation Manager – [a.hale@live.ca](mailto:a.hale@live.ca)

Frederic Cyr – Hardware Team Leader - [fred.cyr10@gmail.com](mailto:fred.cyr10@gmail.com)

Justin Tremblay – Software Team Leader - [justin.tremblay@mail.mcgill.ca](mailto:justin.tremblay@mail.mcgill.ca)

Xu (Mike) Hai – Testing Team Leader - [tieshan.lyu@gmail.com](mailto:tieshan.lyu@gmail.com)

Xianyi (Jeffrey) Zhan – Hardware and Testing Engineer - [xianyizhan@gmail.com](mailto:xianyizhan@gmail.com)

### 3.0 CAPABILITIES

Area	Software	Hardware	Testing	Documentation	Management
<b>Josh Inscoe</b>	4 years programming experience; experience with Git				experience working in a software development team
<b>Alex Hale</b>	3 years programming experience, mostly in Java			native English speaker, technical writing experience	experience leading a software development team
<b>Frederic Cyr</b>	1 year programming experience	comfortable with hardware design			
<b>Justin Tremblay</b>	4 years programming experience in multiple languages			experience with source control software	experience working in a software development team; experience leading a development team and making presentations
<b>Xu Hai</b>	1 year programming experience	3 years electrical engineering experience			experience working in a hardware development team
<b>Xianyi Zhan</b>	2 years programming experience	comfortable with hardware design	experience with team project testing		

### 4.0 POSSIBLE APPLICATION AREAS

#### **Alex Hale**

- \* Best suited for role of Documentation Leader.
- \* Enough programming experience to assist Software Leader.

#### **Frederic Cyr**

- \* Could take on the role of Hardware leader and also the Test Engineer.
- \* Can also work with the Documentation leader.

**Josh Inscoe**

- \* Could take on the role of Software Manager or Software Engineer.
- \* Able to work on the coding portion of the project.

**Xu Hai**

- \* Could take on the role of Test leader.
- \* Could work as the hardware leader.

**Xianyi Zhan**

- \* Could take on the role of Hardware engineer and Test Engineer.
- \* Able to work as Test team leader.

**Justin Tremblay**

- \* Sufficient experience for Software Manager role.
- \* Sufficient management experience for Project Manager role.
- \* Can manage the code (and documentation) repository

**5.0 AVAILABILITY****5.1 DAY-TO-DAY AVAILABILITY**

Team Member	Time	M	T	W	T	F	S	S
Josh Inscoe	AM							
	PM							
	Evening							
Alex Hale	AM							
	PM							
	Evening							
Frederic Cyr	AM							
	PM							
	Evening							
Justin Tremblay	AM							
	PM							
	Evening							
Xu Hai	AM							
	PM							
	Evening							
Xianyi Zhan	AM							
	PM							
	Evening							

## 5.2 WEEK-TO-WEEK AVAILABILITY

<b>Team Member</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Josh Incoe</b>		Wednesday midterm		Hackathon (weekend)		
<b>Alex Hale</b>	Monday midterm	Wednesday midterm	Tuesday midterm		Monday midterm	
<b>Frederic Cyr</b>	Monday midterm	Wednesday midterm			Monday midterm	
<b>Justin Tremblay</b>		Wednesday midterm, Friday deliverable				
<b>Xu Hai</b>	Monday midterm	Wednesday midterm	Tuesday midterm, Friday midterm		Monday midterm	
<b>Xianyi Zhan</b>			Tuesday midterm, Friday midterm			

## 6.0 GLOSSARY OF TERMS

**Source Control Software:** Tools to keep track of changes in files, such as Git.