

## CAPABILITIES DOCUMENT

Project: DPM Final Design Project

Task: Describe the capabilities of the members of the team.

**Document Version Number:** 5.0

**Date:** November 28<sup>th</sup> 2019

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### **Edit History:**

Brendan Marks - 2019/10/19 - Fill in personal information, create formatting.

Aurelia Haas - 2019/10/19 - Fill in personal information

Usama Barlas - 2019/10/19 - Fill in personal information

Stefan Barbu - 2019/10/19 - Fill in personal information

Pierre Robert-Michon - 2019/10/20 - Fill in personal information

Isaac Di Francesco - 2019/10/20 - Fill in personal information

Aurelia Haas - 2019/10/20 - Changed the roles (software leader and engineer)

Aurelia Haas - 2019/11/08 - Changed the roles (added hardware engineer)

Aurelia Haas - 2019/11/28 - Revision of the entire document

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## 2.0 TEAM MEMBERS

<b>Team members</b>	<b>Phone numbers</b>	<b>Emails</b>
Barbu Stefan	438-502-1889	stefan.barbu@mail.mcgill.ca
Barlas Usama	647-526-9626	usama.barlas@mail.mcgill.ca
Di Francesco Isaac	438-922-2504	isaac.difrancesco@mail.mcgill.ca
Haas Aurelia	514-839-5547	aurelia.haas@mail.mcgill.ca
Marks Brendan	514-513-5260	brendan.marks@mail.mcgill.ca
Robert-Michon Pierre	514-803-8090	pierre.robert-michon@mail.mcgill.ca

*Tab 1. Team members*

### 3.0 CAPABILITIES

<b>Team members</b>	<i>Barbu Stefan</i>	<i>Barlas Usama</i>	<i>Di Francesco Isaac</i>	<i>Haas Aurelia</i>	<i>Marks Brendan</i>	<i>Robert-Michon Pierre</i>
<b>Major</b>	Computer Engineering (U3)	Electrical Engineering (U2)	Software Engineering (U2)	Computer Engineering (U2)	Software Engineering (U2)	Software Engineering (U3)
<b>Minor</b>	N/A	N/A	N/A	Technological entrepreneurship	N/A	N/A
<b>Software capabilities</b>	- ECSE 202 (Java, C) - COMP 250 (Java) - ECSE 223 (Java, Umple, GIT) - ECSE 321 (JavaScript, JQuery)	- ECSE 202 (Java, C) - COMP 250 (Java)	- ECSE 202 (Java, C) - COMP 250 (Java) - ECSE 223 (Java, Umple, GIT) - COMP 206 (C, Bash Scripting) - ECSE 324 (Assembly) - ECSE 321 (JavaScript, JQuery)	- ECSE 202 (Java, C) - COMP 250 (Java) - ECSE 223 (Java, Umple, GIT) - Web development (Java, Python)	- ECSE 202 (Java, C) - ECSE 223 (Java, Umple, GIT) - Web development (Python, Javascript, SQL)	- ECSE 202 (Java, C) - COMP 250 (Java) - ECSE 223 (Java, Umple, GIT) - COMP 302 (OCaml) - COMP 206 (C) - ECSE 321 (JavaScript, JQuery) - Web Development (HTML5, CSS3, JS) - ECSE 324 (Assembly)
<b>Hardware capabilities</b>	- ECSE 222 (VHDL, FPGA)	- ECSE 222 (VHDL, FPGA)	- ECSE 222 (VHDL, FPGA)	- ECSE 222 (VHDL, FPGA)	- ECSE 222 (VHDL, FPGA)	- ECSE 222 (VHDL, FPGA)
<b>Electrical capabilities</b>	- ECSE 200 (Circuits 1) - ECSE 210	- ECSE 200 (Circuits 1) - ECSE 210	- ECSE 200 (Circuits 1)	- ECSE 200 (Circuits 1) - ECSE 210	None	- ECSE 200 (Circuits 1)

	(Circuits 2)	(Circuits 2) - ECSE 331 (Electronics )		(Circuits 2)		
<b>Management experience</b>	Scrum Master in an agile team with continuous integration objectives	Leadership experience in event management & coordination	Lead a team for a business proposal about the installation of rainwater harvesting systems on rooftops.	Lead a team for a business proposal about a better access for disabled people in the STM	Lead the development of a backup as a service feature for virtual machines in a large scale web application.	Led the development of various internal and external consulting projects (Sales Order SAP fiori app, meeting room booking chatbot...). Basketball team captain and coach.

Tab 2. Capabilities

#### 4.0 POSSIBLE APPLICATION AREAS

Legend: Primary (P), Secondary (S), Not Involved (N)

	<i>Barbu Stefan</i>	<i>Barlas Usama</i>	<i>Di Francesco Isaac</i>	<i>Haas Aurelia</i>	<i>Marks Brendan</i>	<i>Robert-Michon Pierre</i>
<b>Project Manager</b>	N	N	N	<b>P</b>	N	N
<b>Documentation Manager</b>	N	N	N	N	<b>P</b>	N
<b>Hardware Leader</b>	N	<b>P</b>	N	N	N	N
<b>Software Leader</b>	N	N	N	N	N	<b>P</b>
<b>Test Leader</b>	<b>P</b>	N	N	N	N	N
<b>Software and Hardware Engineer</b>	N	N	<b>P</b>	N	N	N

Tab 3. Roles

## 5.0 AVAILABILITY

	Monday	Tuesday	Wednesday	Thursday	Friday	Weekend	Notes
<b>Barbu Stefan</b>	2:30 - 5:30 PM		2:30 - 4:30 PM	12:30 - 4:00 PM	2:30 - 5:30 PM	Anytime	<b>Midterms:</b> 10/23/19 → 11:30 - 12:30 AM 10/29/19 → 4:00 - 5:30 PM 11/13/19 → 1:00 - 2:30 PM
<b>Barlas Usama</b>	2:00 PM - 4:30 PM	4:00 PM - 5:00 PM	5:30 PM - 7:00 PM	10:00 AM - 1:00 PM 2:00 PM - 3:00 PM	2:30 PM - 3:30 PM	9:00 AM - 5:00 PM	<b>Midterms:</b> 11/1/19 → 8:30 - 9:35 AM 11/4/19 → 11:35 - 12:35 PM 11/7/19 → 8:35 AM - 9:55 AM
<b>Di Francesco Isaac</b>	12:30 - 3:30 PM	11:30 AM - 11:00 PM	12:30 - 3:30 PM	11:30 AM - 11:00 PM	12:30 - 3:30 PM	5:00 - 11:00 PM	<b>Midterms:</b> 10/29/19 → 10:00 - 11:30 AM 10/30/19 → 1:00 - 2:30 PM 11/01/19 → 3:30 - 4:30 PM
<b>Haas Aurelia</b>	9:00 - 11:30 AM	9:00 AM - 1:00 PM	9:00 - 11:30 AM 5:30 - 8:30	9:00 AM - 1:00 PM	9:00 - 11:30 AM	Anytime	<b>Midterms:</b> 11/23/19 → 11:30 -

	12:30 - 8:30 PM	5:30 - 8:30 PM	PM		12:30 - 6:00 PM		12:30 AM 11/24/19 → 1:00 - 2:30 PM 11/24/19 → 5:30 - 8:30 PM 11/14/19 → 5:30 - 8:30 PM
<b>Marks Brendan</b>	8:00 - 11:30 AM 6:00 - 11:00 PM	1:00 - 3:30 PM 5:30 - 11:00PM	8:00 - 11:30 AM 6:00 - 11:00 PM	1:00 - 3:30 PM 5:30 - 11:00PM	2:30 - 11:00PM	Anytime	None
<b>Robert-Michon Pierre</b>	8:00 - 10:30 AM 2:30 - 4:00 PM 5:30 - 8:00 PM	10:00 - 11:30 AM 1:00 - 8:00 PM	8:00 - 10:30 AM 2:30 - 4:00 PM 5:30 - 8:00 PM	10:00 - 11:30 AM 1:00 - 6:00 PM	3:30 - 7:00 PM	9:00 AM - 5:00 PM	ECSE 429: not scheduled (sometime in Nov) ECSE 420: 11/13/19 → 1:00 - 2:30 PM

*Tab 4. Availability*

## 6.0 GLOSSARY OF TERMS

No term definitions are currently required.