

CAPABILITIES DOCUMENT

Project: DPM Final Project

Task: Construct a robot that can navigate a closed course to search and retrieve colored rings

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[18/10/2018] Shaodi : Created Capabilities Document

[26/10/2018] Shaodi Sun: Changed the format of possible application areas table

[06/11/2018] Shaodi Sun: Updated week to week availabilities

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1.0 TEAM MEMBERS

Max Brodeur-Urbas **Student ID:** 260806240 **Email:** max.brodeur-urbas@mail.mcgill.ca
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 Zakaria Essadaoui **Student ID:** 260776919 **Email:** zakaria.essadaoui@mail.mcgill.ca
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 Shaodi Sun **Student ID:** 260712632 **Email:** shaodi.sun@mail.mcgill.ca

2.0 CAPABILITIES

Name	Major	Experience with LEGO and Lejos	Management Experience	Documentation Experience	Experience with Eclipse and Java
Max Brodeur-Urbas	Software Engineering	Intermediate	Intermediate	Intermediate	Intermediate : ECSE 202, 223 COMP 250, 206
Carl Elkhoury	Software Engineering	Beginner	Intermediate	Intermediate	Intermediate : ECSE 202, 223 COMP 250, 206
Zakaria Essadaoui	Computer Engineering	Intermediate	Beginner	Intermediate	Intermediate ECSE 202
Ayden Malik	Electrical Engineering	Beginner	Intermediate	Intermediate	Beginner Comp 202 Comp 250
Ashish Paul	Software Engineering	Beginner	Beginner	Intermediate	Intermediate Ecse 202 Comp 250 Ecse 223 Ecse 321
Shaodi Sun	Software Engineering	Intermediate	Beginner	Intermediate	Intermediate ECSE 202 COMP 250 ECSE 223

3.0 POSSIBLE APPLICATION AREAS

Max Brodeur-Urbas

- Best suited for project management
- Can help with hardware and software design
- Schedule design meeting with team every week

Carl Elkhoury

- Best suited for software development
- Can help with hardware design

Zakaria Essadaoui

- Best suited for software development

Ayden Malik

- Best suited for hardware development
- Can help with documentation

Ashish Paul

- Best suited for software testing
- Best suited for documentation

Shaodi Sun

- Best suited for documentation
- Can help with hardware and software design

4.0 AVAILABILITY

Day to day availability

Members	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Max Brodeur-Urbas	Morning							
	Afternoon							
	Evening							
	Night							

Carl Elkhoury	Morning							
	Afternoon							
	Evening							
	Night							
Zakaria Essadaoui	Morning							
	Afternoon							
	Evening							
	Night							
Ayden Malik	Morning							
	Afternoon							
	Evening							
	Night							
Ashish Paul	Morning							
	Afternoon							
	Evening							
	Night							
Shaodi Sun	Morning							
	Afternoon							
	Evening							
	Night							

Morning: 8am to 12pm

Afternoon: 12pm to 4pm

Evening: 4pm to 8pm

Night: 8pm to 12am

Week to week availability (put ur midterms and other events here and)

Member	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Max Brodeur-Urbas		324 LAB	Comp 206 assignment	Math 240 midterm		
Carl Elkhoury		324 LAB Geography Midterm +Assignment	Comp 206 assignment	Math 240 midterm		
Zakaria Essadaoui	Comp 250 Assignment	324 Lab		Comp 250 assignment		
Ayden Malik		CIVE Assignment6	CIVE Assignment 7	-CIVE Assignment 8 -MATH 338 Midterm NA	CIVE Assignment 9 2 Midterms	-CIVE Assignment1 0-MATH 338 Midterm NA
Ashish Paul	Comp 251 Assignment			Math 240 midterm(8thn ov)		
Shaodi Sun	Comp 251 Assignmen+	ECSE 324 Lab + FACC 400 quiz +	ECSE 321 Midterm+ COMP 251	ECSE 321 Sprint 3 +	COMP 251 Assignment +	COMP 251 Assignment

	ECSE321 midterm	FACC 400 Assignmnet	assignment + ECSE 326 Assignmnet	ECSE 326 Assignment	quiz + ECSE 321 Sprint 3	
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5.0 GLOSSARY OF TERMS