

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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 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

Carl Elkhoury

- Best suited for software development

Zakaria Essadaoui

- Best suited for software development

Ayden Malik

- Best suited for hardware development or documentaion

Ashish Paul

- Best suited for software testing or documentation

Shaodi Sun

- Best suited for documentation.

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 Assignment10-MATH 338 Midterm NA |
| Ashish Paul | Comp 251 Assignment | | | Math 240 midterm(8th nov) | | |
| Shaodi Sun | Comp 251 Assignmen | | | ECSE 321 midterm | | |

5.0 GLOSSARY OF TERMS