CAPABILITIES DOCUMENT

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

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7. 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)

1. CAPABILITIES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Area** | **Software** | **Hardware** | **Testing** | **Documentation** | **Management** |
| **Josh Inscoe** | 4 years programming experience; experience with Git |  |  |  | experience working in a software development team |
| **Alex Hale** | 3 years programming experience, mostly in Java |  |  | native English speaker, technical writing experience | experience leading a software development team |
| **Frederic Cyr** | 1 year programming experience | comfortable with hardware design |  |  |  |
| **Justin Tremblay** | 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 |
| **Xu Hai** | 1 year programming experience | 3 years electrical engineering experience |  |  | experience working in a hardware development team |
| **Xianyi Zhan** | 2 years programming experience | comfortable with hardware design | experience with team project testing |  |  |

1. POSSIBLE APPLCATION 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

1. AVAILABILITY
   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 |  |  |  |  |  |  |  |

* 1. WEEK-TO-WEEK AVAILABILTY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Team Member** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Josh Inscoe** |  | Wednesday midterm |  | Hackathon (weekend) |  |  |
| **Alex Hale** | Monday midterm | Wednesday midterm | Tuesday midterm |  | Monday midterm |  |
| **Frederic Cyr** | Monday midterm | Wednesday midterm |  |  | Monday midterm |  |
| **Justin Tremblay** |  | Wednesday midterm, Friday deliverable |  |  |  |  |
| **Xu Hai** | Monday midterm | Wednesday midterm | Tuesday midterm, Friday midterm |  | Monday midterm |  |
| **Xianyi Zhan** |  |  | Tuesday midterm, Friday midterm |  |  |  |

6.0 GLOSSARY OF TERMS

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