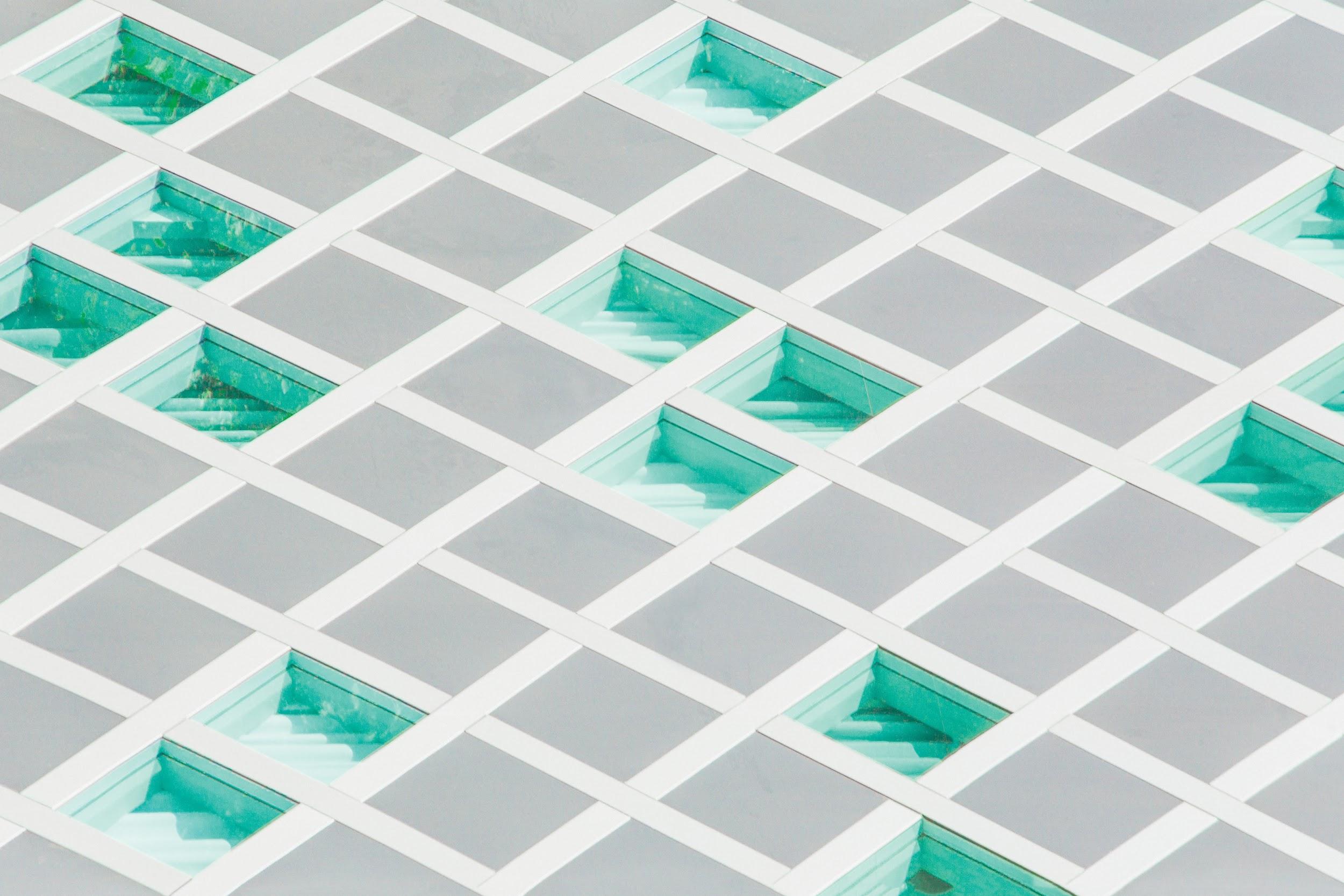
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To-Do Project

**Risk Assessment**

09.December.2020

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### Jason Fyfe

### Academy Trainee

# OVERVIEW

This document will provide an overview of the potential risks involved with the To-Do Project.  
As this is a solo project with a set deadline and no cost involved, all of the potential risks associated with the project will be detailed within this assessment.  
There is no variability in cost, time or resource to manage potential risk which means that certain risks may potentially go unavoided.

# GOALS

1. Create a fully functional Back-End Client in Spring.
2. Create a fully functional Front-End that consumes our Back-End API.
3. Unit and Integration Test the entire codebase (Target 80%).
4. Manage the project in JIRA and avert risks where possible.
5. Fully document the entire project.

# Milestones

1. Initial Risk Assessment
2. Midway Reassessment
3. Project Completed Evaluation

# RISK Assessment

Likelihood

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Rare | Unlikely | Possible | Likely | Certain |
| **1** | **2** | **3** | **4** | **5** |

### Impact

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Negligible | Minor | Moderate | Major | Extreme |
| **1** | **2** | **3** | **4** | **5** |

### Risk Rating (Likelihood x Impact)

|  |  |  |  |
| --- | --- | --- | --- |
| Low | Moderate | High | Extreme |
| **1-3** | **4-6** | **7-12** | **13-25** |

# Initial Risk Assessment

An assessment prior to beginning the project to identify potential risks that may occur.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Risk | Description | Cause | Event | Likelihood  (1-5) | Impact  (1-5) | Rating | Action |
| **1** | Self Managed | Overworking myself | Failure to meet MVP | 4 | 2 | 8 | **Plan tasks with set start and due dates** |
| **2** | Lack of experience | First ever Spring App | Not being able to complete the project. | 2 | 3 | 6 | **Ensure I ask for assistance where and when required.** |
| **3** | Unfamiliar Tools | A lot of new tools. | May have an impact on my timeframe. | 4 | 4 | 16 | **Have documentation available to learn about tools.** |
| **4** | External Dependencies | Dependent on things like Github and Jira. | External issues may impact delivery time/method. | 1 | 5 | 5 | **Make use of external resources sparingly. Keep things local where possible.** |
| **5** | Short Timeframe | Poor self management | Failure to complete project | 5 | 1 | 5 | **Ensure that my tasks are reasonable and completed on or ahead of time.** |

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# Midway Reassessment

A re-evaluation of the risks half way through the sprint to reorder risk rating, impacts and future actions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Risk | Description | Likelihood  (1-5) | Impact  (1-5) | Rating | Update | Action |
| **1** | Self Managed | 3↓ | 1↓ | 3 | **Good initial progress after laying out tasks in Jira.** | **Continue to work ahead of time frame to allow for unseen risks.** |
| **2** | Lack of experience | 1↓ | 3 | 3 | **Exposure to Spring has given me confidence and made me realise existing knowledge is cross-compatible** | **There may be the potential for pitfalls if I encounter something I have no prior knowledge of.** |
| **3** | Unfamiliar Tools | 2↓ | 3↓ | 6 | **Using the new tools has been fairly straight forward. I sought help when I needed it.** | **Continue to improve with new tools. Do not be afraid to ask for help.** |
| **4** | External Dependencies | 1 | 4↓ | 4 | **After the initial setup of external tools, almost everything else is being run locally.** | **Continue with the local to external workflow, ensure I have a backup if externals fail.** |
| **5** | Short Timeframe | 2↓ | 1 | 2 | **I am making good progress and have encountered no blockers.** | **Continue with current progress to project completion.** |

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# Project Completed Evaluation

An evaluation after completion of the project to help analyse how the project went and how we can use this knowledge to ensure other projects run better in the future.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Risk | Description | Likelihood  (1-5) | Impact  (1-5) | Rating | Analysis | Action |
| **1** | Self Managed | 2↓ | 1 | 2 | **Good planning and following the roadmap I created helped keep me on task.** | **No Action.** |
| **2** | Lack of experience | 1 | 2↓ | 2 | **Through the project I gained a lot of experience building a new type of software.** | **Trial some hobby projects using the same application type and structure to round out my experience.** |
| **3** | Unfamiliar Tools | 1↓ | 2↓ | 2 | **I am far more comfortable with the tools I used now compared to when the project began.** | **Continue to develop my knowledge of this toolset to rely less on documentation for common uses.** |
| **4** | External Dependencies | 1 | 2↓ | 2 | **There were no issues with external dependencies, however I still believe a local to external workflow is best.** | **No Action.** |
| **5** | Short Timeframe | 1↓ | 1 | 1 | **Project was completed ahead of time due to excellent planning with Jira.** | **Retrospective of why this project went well, what could be streamlined and improved.** |

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