Risk Management Report

Group 1

Risk Analysis

Rank	Risk	Probability	Loss	Risk Exposure
1	Developers unfamiliar with tools.	Almost Certain	Minor	High
2	Inaccurate work and time estimations.	Likely	Minor	High
3	Swapping from a BaaS to our own backend.	Moderate	Moderate	High
4	Communication/collaboration issues due to working entirely online.	Moderate	Moderate	High
5	Gold Plating	Moderate	Minor	Medium
6	Low stakeholder engagement	Unlikely	Minor	Low

Risk Response Plans			
Risk ID	**Title**	**Status**	**Origination Date**
1	[Documentation Review](#)	In Progress	10/15/2020
1	[Prioritize learning efforts, gain hands-on experience](#)	In Progress	10/15/2020
2	[Increased frequency of check-ins](#)	In Progress	10/15/2020
2	[Detailed task breakdowns](#)	In Progress	10/15/2020

Documentation Review

Risk ID: 1	Origination Date: 10/15/2020

Status: Planned	Originator: Evan Wike

Description: Team members are unfamiliar with some of the technology being used for the project, which can lead to downtime while they learn and errors that may need to be corrected down the line.	**Assessment**
	Probability: Almost Certain
	Consequences: Loss of time and productivity
	Risk Exposure: High

Owner: Evan Wike

Risk Response Alternatives:
- Compile relevant documentation and other resources for the technologies we'll be using in one location for team members to review.
- Review resources, watch videos, and otherwise familiarize ourselves with the concepts necessary to competently use the necessary technologies.

Risk Response Plan (Activities and Milestones)

Date	Actions	Responsibilities
10/15/2020	Provide Documentation	Evan Wike
10/22/2020	Review Resources	Team

Plan Status

Date	Status
10/15/2020	In Progress

Resources:
- Angular Documentation
- Firebase Documentation
- Sass Documentation

Prioritize learning efforts, gain hands-on experience

Risk ID: 1	**Origination Date:** 10/15/2020

Status: Identified	**Originator:** Evan Wike

Description: Though we have laid out the technologies we'll be using for the project, and team members have begun familiarizing themselves with them, certain concepts can really only be understood through practice and experience. Without that experience, we run the risk of losing productivity and time to fixing errors and learning as we go.	**Assessment**
	Probability: Almost Certain
	Consequences: Loss of time and productivity
	Risk Exposure: High

Owner: Evan Wike

Risk Response Alternatives:
- Prioritize time/effort investment for each tool, for each team member.
  - UI Developers should prioritize learning Sass, Developers should focus on learning Angular, etc.
- Practice using the tools, list any questions you may have in the team Discord server.

Risk Response Plan (Activities and Milestones)

Date	*Actions*	*Responsibilities*
10/15/2020	Provide Links to Tools	Evan Wike
10/20/2020	List learning priorities	Team
11/1/2020	Familiarize yourselves with your assigned priorities, post your questions to the Discord.	Team

Plan Status

Date	*Status*
10/15/2020	In Progress

Resources:
- Angular's Website
- Firebase's Website

Increased frequency of check-ins

Risk ID: 2	**Origination Date:** 10/15/2020

Status: Planned	**Originator:** Evan Wike

Description: Due to team members being unfamiliar with several of the tools being used in this project, we run the risk of inaccurate time and effort estimates. This could lead to missed due dates, inefficient use of sprint time, etc.	**Assessment**
	Probability: Likely
	Consequences: Inconsistent use/loss of time of production
	Risk Exposure: High

Owner: Evan Wike

Risk Response Alternatives:
- Increase the frequency with which we evaluate sprints, at least at the beginning of the project, until we gain a better understanding of team capabilities.
- Frequent check-ins via the team Discord server so that PM may more efficiently allocate team resources.

Risk Response Plan (Activities and Milestones)

Date	*Actions*	*Responsibilities*
10/19/2020	Iteration 2 Closeout	Evan
10/30/2020	Mid-Sprint Check-in	Team

Plan Status

Date	*Status*
10/19/2020	In Progress

Resources: N/A

Detailed task breakdowns

Risk ID: 2	**Origination Date:** 10/15/2020

Status: Identified	**Originator:** Evan Wike

Description: Due to team inexperience with project technologies, it can be hard for team members to realistically gauge how long it will take for them to complete a given task.	**Assessment**
	Probability: Likely
	Consequences: Inconsistent use/loss of time of production
	Risk Exposure: High

Owner: Evan Wike

Risk Response Alternatives:
- Provide more nuanced breakdowns of what will be required for project tasks. This, combined with a teamwide focus on gaining a better understanding of project tools, should help us produce more accurate estimates going forward.

Risk Response Plan (Activities and Milestones)

Date	*Actions*	*Responsibilities*
10/25/2020	Compile list of tasks	Evan Wike
11/2/2020	Break tasks down into smaller parts	Evan Wike

Plan Status

Date	*Status*
10/15/2020	In Progress

Resources: