Group 13 Risk Management Report

Risk	Probability of Loss	Size of Loss (1-10)	Risk Exposure
Estimation and scheduling	50%	5	2.5
Insufficient testing	30%	8	2.4
Working from home due to coronavirus leads to unproductive work	20%	6	1.2
Compromise on design	20%	5	1
Insufficient experience with frameworks	15%	4	.6

Risk Response Plan #1

Risk ID: 1

Title: Estimation and scheduling

Origination Data: 3/15/20

Originator: Stanley

Status: Identified

Description: Due to under/overestimation, our schedule for milestones in our project may be severely changed. For many of us on the team this is our first time working through iterations and planning iterations. Due to inexperience, we risk making incorrect estimations and plans that can not be realistically followed.

Risk assessment:

- Probability: 30%
- Consequences: Falling behind schedule and missing deadlines
- Size of Loss: 8
- Risk Exposure: 2.5

Owner: Stanley

Risk response alternatives: Reflect on past iterations to make better predictions for the next

Risk response plan:

Date	Actions	Responsibility
3/15/20	Review past iterations and see what we estimated incorrectly	Stanley
3/16/20	Make an effort to estimate better using past iterations as foundation	Stanley
3/29/20	Check if our estimations are better during this iterations	Stanley

Plan Status:

Date	Status

3/15/20	Made note of our incorrect estimations to better educate ourselves on what estimations should be

Resources: Stanley, Anisha, Daniel, Nawaf

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Risk ID: 2

Title: Insufficient testing

Origination Data: 3/15/20

Originator: Stanley

Status: Identified

Description: For this project we are applying automated algorithms that can generate the schedules for us with the given constraints and data. The insufficient testing of the generating scheduling algorithms will lead to inefficient and unoptimal schedules.

Risk assessment:

- Probability: 50%
- Consequences: inefficient/unoptimal schedules
- Size of loss: 8
- Risk exposure: 2.4

Owner: Daniel

Risk response alternative: Manual testing through brute manpower.

Risk response plan:

Date	Actions	Responsibility
4/15/20	Create an automated testing environment	Daniel
4/16/20	Collect data based on the results from the automated testing	Daniel
4/29/20	Based on the results, commit/discard unstable changes	Daniel