

MUSIC-LIBRARY-WEB-APP

RISK ASSESSMENT

Overview

This Risk Assessment was used to identify potential risks for this project, plan appropriate actions to reduce these risks and mitigate them. This Risk Assessment was carried out during 3 phases of the project to see how the risks evolved through its lifecycle and maintain a good level of risk mitigation throughout its span.

The purpose of this Risk assessment is to:

1. Identify all potential risks
2. Analyze these risks for appropriate risk mitigation actions
3. Tackle and prevent these risks using the actions adopted
4. Repeat the analysis of these risks throughout the lifecycle of the project

The key used to measure the likelihood, impact and risk rating of identified risks for this project:

Likelihood

Rare	Unlikely	Possible	Likely	Certain
1	2	3	4	5

Impact

Negligible	Minor	Moderate	Major	Fatal
1	2	3	4	5

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Risk Rating

Very Low	Low	Moderate	High	Very High
1-5	6-10	11-15	16-20	21-25

Risk Register I – Carried out at Start of Project


Ref	Risk Description	Cause	Risk Event	Likelihood (1-5)	Impact (1-5)	Risk Rating	Action
1	Lack of Project Understanding	Not having a grasp on specs and purpose of assignment	Incorrectly completing assignment	3	4	12	Spend time understanding scope of the project and deliverables.
2	Lack of Time	Mismanagement of time	Not completing assignment on time	3	4	12	Split up smaller tasks that form to complete larger tasks into daily and weekly goals.
3	Motivation	Tiredness, burnout, complacency, and laziness.	Assignment is not completed to the best possible standard	2	5	10	Work on the assignment in a structured/ moderated way, taking breaks and remembering to enjoy it.
4	Worldwide Disruption	Wave 2 of COVID-19 outbreak	Another lockdown causing disruption to services, work and health	4	1	4	Ensure hygiene kept up with social distancing and prepare for working well remotely.
5	Technical issues	Technologies not working as they	Delays and more issues needing	3	4	12	Further research the technologies being used

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		should be/ misuse of technologies	resolving to complete assignment				and their common problems in order to be prepared and tackle potential difficulties.
6	Full Stack Technology not fully grasped	Front end design and Back end functionality not to the standard required by specifications	Unsightly application, UI unclear and fetching/ integration problems with Spring and rest of code causing issues	2	4	8	Study JS, HTML, CSS, Spring and Java to a proficient level and understand how front-end technology will be paired with the backend to produce a full stack application.
7	Lack of Testing	Not enough and accurate testing of methods carried out for the application	Unreliable and/ or unusable final application	3	5	15	Learn best practices and methods for all aspects of testing required for this project and aim for 80% industry standard testing coverage.
8	Dysfunctional Team/ Poor Teamwork	Lack of communication and Team not cooperating well with each other	Overlap in work done and unfinished or missing components of project.	2	5	10	Dedicate time for Sprint reviews, stand-ups, retrospective to allow for effective communication and take care of one another's wellbeing.

Risk Register II – Carried out at Midpoint of Project

Ref	Risk Description	Cause	Risk Event	Likelihood (1-5)	Impact (1-5)	Risk Rating	Action
1	Lack of Project Understanding	Not having a grasp on specs and purpose of assignment	Incorrectly completing assignment	1 	4	4	Spend time understanding scope of

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							the project and deliverables.
2	Lack of Time	Mismanagement of time	Not completing assignment on time	2 ↓	4	8	Split up smaller tasks that form to complete larger tasks into daily and weekly goals. – prioritise more important Tasks to complete first
3	Motivation	Tiredness, burnout, complacency, and laziness.	Assignment is not completed to the best possible standard	3 ↑	4 ↓	12	Work on the assignment in a structured/ moderated way, taking breaks and remembering to enjoy it.
4	Worldwide Disruption	Wave 2 of COVID-19 outbreak	Another lockdown causing disruption to services, work and health	3	3	9	Ensure Hygiene kept up with social distancing and preparedness for working well remotely.
5	Technical issues	Technologies not working as they should be/ misuse of technologies	Delays and more issues needing resolving to complete assignment	3	4	12	Further research the technologies being used and their common problems in order to be prepared and tackle potential difficulties.
6	Full Stack Technology not fully grasped	Front end design and Back end functionality not to the standard required by specifications	Unightly application, UI unclear and fetching/ integration problems with Spring and rest of code causing issues	2	4	8	Fully Understand how the backend functionality can be used by the front end to carry out the CRUD functionality by the end user in the most user-friendly way.
7	Lack of Testing	Insufficient UI and non-functional testing	Unreliable and/ or unusable final application	3	5	15	Learn best practices for testing UI testing on Selenium using Cucumber/ Gherkin, revise non-functional testing with JMeter.

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8	Dysfunctional Team/ Poor Teamwork	Lack of communication and Team not cooperating well with each other	Overlap in work done and unfinished or missing components of project.	2	5	10	Dedicate time for Sprint reviews, stand-ups, retrospective to allow for effective communication and take care of one another's wellbeing.
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Risk Register III – Carried out near End of Project

Ref	Risk Description	Cause	Risk Event	Likelihood (1-5)	Impact (1-5)	Risk Rating	Action
1	Lack of Project Understanding	Not having a grasp on specs and purpose of assignment	Incorrectly completing assignment	1	4	4	Spend time understanding scope of the project and deliverables.
2	Lack of Time	Mismanagement of time	Not completing assignment on time	2	4	8	Split up smaller tasks that form to complete larger tasks into daily and weekly goals. – prioritise more important Tasks to complete first
3	Motivation	Tiredness, burnout, complacency, and laziness.	Assignment is not completed to the best possible standard	2 ↓	4	8 ↓	Work on the assignment in a structured/ moderated way, taking breaks and remembering to enjoy it.
4	Worldwide Disruption	Wave 2 of COVID-19 outbreak	Another lockdown causing disruption to services, work and health	5 ↑	1 ↓	5 ↓	Ensure Hygiene kept up with social distancing and preparedness for working well remotely.

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5	Technical issues	Technologies not working as they should be/ misuse of technologies	Delays and more issues needing resolving to complete assignment	3	4	12	Further research the technologies being used and their common problems in order to be prepared and tackle potential difficulties.
6	Full Stack Technology not fully grasped	Front end design and Back end functionality not to the standard required by specifications	Unsightly application, UI unclear and fetching/ integration problems with Spring and rest of code causing issues	2	4	8	Fully Understand how the backend functionality can be used by the front end to carry out the CRUD functionality by the end user in the most user-friendly way.
7	Lack of Testing	Insufficient UI and non-functional testing	Unreliable and/ or unusable final application	3	5	15	Learn best practices for testing UI testing on Selenium using Cucumber/ Gherkin, revise non-functional testing with JMeter.
8	Dysfunctional Team/ Poor Teamwork	Lack of communication and Team not cooperating well with each other	Overlap in work done and unfinished or missing components of project.	2	5	10	Dedicate time for Sprint reviews, stand-ups, retrospective to allow for effective communication and take care of one another's wellbeing.