

Risk Management

Risk rating

LOW	MEDIUM	HIGH	EXTREME
<ul style="list-style-type: none"> Acceptable Ok to proceed 	<ul style="list-style-type: none"> As low as reasonably practicable Take mitigation efforts 	<ul style="list-style-type: none"> Generally unacceptable Seek support 	<ul style="list-style-type: none"> Intolerable Place event on hold

2 May 2022

ID	Risk Name	Description	Likelihood (1-3)	Severity (1-4)	Risk Factor	Mitigation	Responsible	Follow up date	Status
#1	Improper definition of requirements	Badly written requirements, leading to creation of invalid code	2	4	6	Do team reviews of requirements to ensure correctness.	@ Cristi Purcea	13 May 2022	INITIAL
#2	Lack of experience with testing tools	Team having little experience with test tools, leading to slow test development.	3	4	12	Team does mini courses in their free time to be more acquainted with the tools.	@ Ithai Gramse	13 May 2022	INITIAL
#3	Team problems	Team member(s) having too much work / duties to devote the needed time to the project	1	3	3	Re-evaluate project scope and team schedule.	@ Alex M	13 May 2022	INITIAL
#4	Sickness	Team members getting ill and not being able to work	1	2	2	Work even if sick, so long as it is bearable.	@ Teodor Jonasson	13 May 2022	INITIAL
#5	Hosting space problems	Team encountering issues with the cloud hosting platform.	1	1	1	Develop locally with containers, lowering our dependency on deployment while developing to allow work to continue during downtime.	@ Cristi Purcea	13 May 2022	INITIAL
#6	Third party validation issues	Microsoft may temporarily ban us for overusing their services.	2	2	4	Monitor our usage of Microsoft endpoints and make sure we do not surpass their usage limits.	@ Ástþór	13 May 2022	INITIAL

LIKELIHOOD	SEVERITY			
	ACCEPTABLE <i>Little to no effect on event</i>	TOLERABLE <i>Effects are felt, but not critical to outcome</i>	UNDESIRABLE <i>Serious impact to the course of action and outcome</i>	INTOLERABLE <i>Could result in disaster</i>
IMPROBABLE <i>Risk is unlikely to occur</i>	#5	#4	#3	
POSSIBLE <i>Risk will likely occur</i>		#6	#1	
PROBABLE <i>Risk will occur</i>				#2

13 May 2022

ID	Risk Name	Description	Likelihood (1-3)	Severity (1-4)	Risk Factor	Mitigation	Responsible	Follow up date	Status
#1	Improper definition of requirements	Badly written requirements, leading to creation of invalid code	1	4	4	Do team reviews of requirements to ensure correctness.	@ Cristi Purcea	N/A	REVIEWED
#2	Lack of experience with testing tools*	Team having little experience with test tools, leading to slow test development.	3	2	6	Team does mini courses in their free time to be more acquainted with the tools.	@ Ithai Gramse	3 June 2022	ONGOING

#3	Team problems	Team member(s) having too much work / duties to devote the needed time to the project	1	3	3	Re-evaluate project scope and team schedule.	@ Alex M	N/A	DONE
#4	Sickness	Team members getting ill and not being able to work	1	2	2	Work even if sick, so long as it is bearable.	@ Teodor Jonasson	3 June 2022	ONGOING No one got sick so far
#5	Hosting space problems	Team encountering issues with the cloud hosting platform.	3	1	3	Develop locally with containers, lowering our dependency on deployment while developing to allow work to continue during downtime.	@ Cristi Purcea	3 June 2022	HEROKU BREACH Cannot connect to GitHub anymore.
#6	Third party validation issues	Microsoft may temporarily ban us for overusing their services.	1	2	2	Monitor our usage of Microsoft endpoints and make sure we do not surpass their usage limits.	@ Ástþór	3 June 2022	ONGOING Microsoft still allows us to use their services
#7	Performance criteria not met	The system may not meet the performance criteria we established in our non-functional requirements.	2	2	4	Monitor the performance of our app by running JMeter tests.	@ Alex M	3 June 2022	INITIAL
#8	CORS Issues	The front-end application cannot communicate with the back-end application due to CORS policies.	3	2	6	Enable the CORS policy for our system.	@ Ástþór	3 June 2022	INITIAL
*#2	Note:	Two team members got fluent with their testing tools because of TDD, which lead to only 3 team members still having to learn the tools, thus leading to reduced severity.							

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	ACCEPTABLE <i>Little to no effect on event</i>	TOLERABLE <i>Effects are felt, but not critical to outcome</i>	UNDESIRABLE <i>Serious impact to the course of action and outcome</i>	INTOLERABLE <i>Could result in disaster</i>
IMPROBABLE <i>Risk is unlikely to occur</i>		#4 #6	#3	#1
POSSIBLE <i>Risk will likely occur</i>		#7		
PROBABLE <i>Risk will occur</i>	#5	#2 #8		

Date: 3 June 2022

ID	Risk Name	Description	Likelihood (1-3)	Severity (1-4)	Risk Factor	Mitigation	Responsible	Follow up date	Status
#2	Lack of experience with testing tools	Team having little experience with test tools, leading to slow test development.	1	2	2	Team does mini courses in their free time to be more acquainted with the tools.	@ Ithai Gramse	N/A	ONGOING
#4	Sickness	Team members getting ill and not being able to work	1	2	2	Work even if sick, so long as it is bearable.	@ Teodor Jonasson	N/A	ONGOING No one got sick so far
#5	Hosting space problems	Team encountering issues with the cloud hosting platform.	2	1	2	Develop locally with containers, lowering our dependency on deployment while developing to allow work to continue during downtime.	@ Cristi Purcea	N/A	SOLVED Heroku allowed us to host again

#6	Third party validation issues	Microsoft may temporarily ban us for overusing their services.	1	2	2	Monitor our usage of Microsoft endpoints and make sure we do not surpass their usage limits.	@ Ástþór	N/A	ONGOING Microsoft still allows us to use their services
#7	Performance criteria not met	The system may not meet the performance criteria we established in our non-functional requirements.	1	2	2	Monitor the performance of our app by running JMeter tests.	@ Alex M	N/A	CONTINUE D ANALYSIS After initial analysis, the system proves to perform within margins
#8	CORS Issues	The front-end application cannot communicate with the back-end application due to CORS policies.	1	2	2	Enable the CORS policy for our system.	@ Ástþór	N/A	SOLVED
#9	Tests not ready on time	The tests may not all be implemented on time, leading to a possibly failed exam	2	4	8	Overtime for the whole team to ensure that all the tests are implemented on time.	@ Teodor Jonasson	N/A	INITIAL

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	ACCEPTABLE <i>Little to no effect on event</i>	TOLERABLE <i>Effects are felt, but not critical to outcome</i>	UNDESIRABLE <i>Serious impact to the course of action and outcome</i>	INTOLERABLE <i>Could result in disaster</i>
IMPROBABLE <i>Risk is unlikely to occur</i>		#2 #4 #6 #7 #8		
POSSIBLE <i>Risk will likely occur</i>	#5			#8
PROBABLE <i>Risk will occur</i>				

Summary of all risks, grouped by type.

Project Risks	Product Risks
Internal Factors <ul style="list-style-type: none">Improper definition of requirementsTest environment not ready on timeLack of experience with testing tools and frameworksTeam problemsSickness External Factors <ul style="list-style-type: none">Third party validator issuesHosting space problems	<ul style="list-style-type: none">CORS problemsPerformance criteria not met