

ICESHU4 Risk List

Risk ID	Date Identified	Headline	Description	Type	Impact	Probability	Magnitude	Owner	Mitigation Strategy
1	28/04/2023	Departure of a Project Member	A project member may have a problem that she/he cannot attend the course.	P	4	25%	1,0	Osman Faruk Derdiyok	When a member is unable to take the course, his/her contribution to the group should be determined and someone else should be found to fulfill these duties completely.
2	28/04/2023	Conflict between Project Members	A team issue could arise for project members.	P	2	25%	0,5	Osman Faruk Derdiyok	Requirements and responsibilities should be clearly defined to avoid in-group conflicts and arguments.
3	28/04/2023	Leaving of a Project Member	While the project is still in progress, a team member unexpectedly leaves the group.	P	3	25%	0,8	Osman Faruk Derdiyok	Customers and developers should be informed of any potential problems and delays. The contributions and responsibilities of the leaving member should be determined and these responsibilities should be given to other members.
4	28/04/2023	Illness of Project Members	The development team members are struggling from illnesses.	P	2	25%	0,5	Osman Faruk Derdiyok	To minimize the effects of the team member's absence, rearrange the tasks and the team.
5	28/04/2023	Wrong Estimation to Finish the Projcet	The time needed to finish the software has not been given significant consideration.	E	4	25%	1,0	Numan Kafadar	Request that the project manager create a basic timetable. Inform the stakeholders of the situation as needed, put more work into developing the project, and ask for deadline extensions.
6	28/04/2023	Disagreement about the Details of the Project	Indecision and disagreement about the work to be done	Te	3	25%	0,8	Numan Kafadar	The organization has been reorganized so that various management is in control of the project.
7	28/04/2023	Changing Requirements of Design	Customers may submit negative feedback on its design and design, and changes may be requested in requirements that require major design revisions.	R	4	25%	1,0	Yunus Emre Terzi	Identify what kind of design the client needs. Ask questions to be sure you understand. Keep your dependencies to a minimum while working on the design. Obtain traceability data to maximize the information hidden in the design and evaluate the impact of requirements on change.

8	28/04/2023	Incomprehensibility of Requirements	The group members fail to fully understand the customer's requirements, and the requirement descriptions are weak and ambiguous.	R	4	50%	2,0	Osman Faruk Derdiyok	By speaking with the customer, the needs can be fixed and clarified without having a negative impact on any other requirements or the progress of the project. To resolve the danger, the group must discuss every necessity. It is assured that all project needs are thoroughly understood by all group members by conducting a thorough interview with the clients who establish the requirements and project specifications.
9	28/04/2023	Changing Requirements after Implementation	One or more of the project's requirements are changed at the customer's request after implementation.	R	3	75%	2,3	Osman Faruk Derdiyok	The stakeholders should be informed of any potential delays and the effects of the modified requirement.
10	28/04/2023	Non-integrability of Software Tools	It's possible that the used software tools don't integrate properly.	Te	2	25%	0,5	Osman Faruk Derdiyok	A plan describing the software tool integrations should be created first, and then it is important to ensure that the software tools that can be included function as an integrated system in order to quickly remove any potential incompatibility.
11	28/04/2023	Unsatisfiability of Used Technology	Because the planned technology fails to satisfy the project's needs or cannot execute essential requirements, it is replaced with new technology, from which the system is needed.	Te	4	25%	1,0	Umut Güngör	Select a technology (framework, library, component) that will be current for a long time and is better suited to the project's specifications and content. As soon as you can, try to upgrade the old framework to the new framework. Use current software tools to transform the project if necessary.
12	29/04/2023	Unavailability of Necessary Courses	There are no available courses for a group member who needs them.	P	1	25%	0,3	Osman Faruk Derdiyok	Group members can learn more about topics about which they are less aware by receiving help and advice from group members who are more informed about such topics.
13	29/04/2023	Unexpected Size of the Project	The size of the software project didn't get enough consideration.	E	2	25%	0,5	Mustafa Çağrı Korkmaz	Write efficient code, if at all possible, make use of compression methods, and then improve the system's storage.
14	29/04/2023	Problem about Database	The database may not be able to handle the expected number of transactions.	Te	3	50%	1,5	Osman Faruk Derdiyok	Look for approaches to less transactions. Check into the idea of replacing the current, underperforming database with one that performs better. Analyze thoroughly what occurs in change.
15	29/04/2023	Disk Failure	In the event of a disk failure caused by running out of space on the disk or by a production error, the information stored in the database is deleted or destroyed.	Te	4	25%	1,0	Umut Güngör	Database disks should be stored on different disks and backup or RAID systems should be used. The deleted or destroyed database should be restored using these backup techniques.

16	29/04/2023	Failure of Essential Use Case	There is a failure to implement one essential use-case for the demo.	Re	4	25%	1,0	Osman Faruk Derdiyok	Customers should be informed of the error. If you are able, request for some extra time.
17	29/04/2023	Customers' Inability to Understand Changing Requirements.	Customers are unable to fully understand the significant effects of the changes that will take effect as a result of requirements modifications.	O	3	75%	2,3	Umut Güngör	Try to arrive at an understanding with the clients that the modifications shouldn't have a big impact on how the project is run. Create a document to inform clients of the changes based on changed needs. The project schedule is modified to take into account the recently added requirements.
18	29/04/2023	Security Vulnerabilities	Security vulnerabilities may exist in the project.	Te	5	25%	1,3	Osman Faruk Derdiyok	Necessary implementations should be made. A reliable architect and design must be established.
19	29/04/2023	Absence of Specifications for Required Interfaces	There are no specifications for required interfaces included in the schedule.	O	2	25%	0,5	Umut Güngör	According to a predetermined timeline, all critical interface standards must be complete, consistent, and verifiable.
20	29/04/2023	Overlapping of Constraints	Overlapping constraints caused by various requirements complicates implementation.	R	4	25%	1,0	Osman Faruk Derdiyok	It is possible to make architectural modifications to ensure all needs are met without ignoring any of them. It should be researched how other products with similar characteristics manage these interlocked constraints. The client should be called if the issue isn't fixable in the same way. In the established order of priority, the less essential requirements should be compromised.
21	29/04/2023	Underestimation of Defect Repair Rate	The defect repair rate wasn't given serious consideration.	E	2	25%	0,5	Umut Güngör	For each potential defect, have a specified enough repair time and resolution process that works into the program development timetable.
22	29/04/2023	Misuse of Time	Too much time gets spent on development tasks.	O	1	25%	0,3	Umut Güngör	Reduce the duration of time required to finish the task by using strategies like pair programming and extreme programming. If required, assign tasks to extra team members.
23	29/04/2023	Misappropriation of the Workforce	A group member's workforce is overstated. There is a poor fit between the amount of work given and the workforce of a group member.	P	2	25%	0,5	Osman Faruk Derdiyok	Re-assign the tasks to the group members according to their assigned workforces. As a consequence, each group member is given tasks depending on their own workforce.
24	29/04/2023	Group Member's Misunderstanding of a Given Task	A member of the development team misunderstands a task that has been assigned to him.	O	2	50%	1,0	Umut Güngör	Make sure team members are communicating effectively with each other and review other commits to mitigate this.
25	29/04/2023	Conflict of Tasks	A development task has conflict with another development task to be completed.	O	2	25%	0,5	Osman Faruk Derdiyok	Use programming techniques like pair programming or working in different branches to mitigate the impact of the situation and inform the team member in charge of the task.