SE 216 – SOFTWARE PROJECT MANAGEMENT
PROJECT RISKS DOCUMENT

PROJECT NAME: UniLearn

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LIKELIHOOD RANK	RISK DESCRIPTION
1	Management Risks: Arising from project managers and executors, these can lead to project failure due to incorrect execution. These include prioritizing tasks incorrectly, failing to fulfill responsibilities, lacking resources, hiring inexperienced personnel, inadequate experience or staffing, lack of resource planning, failure to facilitate team communication, and similar factors.
2	Timing risks / management: It is the type of risk that prevents or causes the project to be realized or completed within the expected time due to incorrect task and material sharing.
3	Technical Support Risk: Users may encounter technical issues while using the platform, and inadequate technical support may lead to dissatisfaction and disengagement.
4	Content Quality Risk: The quality of course materials uploaded to the platform may vary, leading to dissatisfaction among users.
5	Tool-related bugs & exceptions: As we use front-end libraries for our project, it isn't feasible to learn all the details without abstraction. Even if the documentation is enough for React (we have selected this), our programmers can make a mistake using that library. Then, the program might have a bug that could be identified later in the project. Or some exceptions, which are easier to identify and fix in sprints, can occur. However, it is not likelihood that getting bugs or exceptions from only the abstraction of the library.
6	Insecure implementation : Tool related bugs, or any kind of vulnerability due to implementation process is inevitable. And if some of the bugs that not identified before launch can give serious problems to users.
7	Exceptions: Errors or defects in the code can lead to malfunctions, crashes, or unexpected behavior in the software.
8	Contractual and legal risks: Include changing needs, market-driven programs, health and safety issues, government regulations, and product warranty issues.
9	Budget (cost) risk: These are risks that lead to financial problems as a result of unrealistic budget estimates. These risks If this happens, tables change and costs increase. If Infrastructure Costs (server, database services, network infrastructures), Content Production Costs and Legal and License Costs are not calculated well, they may bring additional risks to the budget.
10	Timing risk / requirement changes: While the project is being carried out, every new feature and requirement that is not defined at the beginning of the project and is wanted to be included later threatens

	the planned completion time of the project. In Agile processes, the changes should be included in the project and the prioritization process should be started with the previously determined demands. If this process is not like this, things will become very complicated and need to be solved. it gets harder.
11	Requirements not-matching / validation risk: even if we are developing this software for any kind of university, our approach or understanding may be irrelevant and unnecessary. We are planning to discuss this with experienced university managers before starting a new sprint to update and get more accurate requirements if needed. However, we are most likely sure about the approach because of the scope and idea of the project. Therefore, this risk easily gets the last position in the likelihood rank. But if we can't get the universities attention, the impact will be the highest on this list.

IMPACT RANK	RISK DESCRIPTION
1	Requirements not-matching / Validation risk.
2	Timing risk / Requirement changes.
3	Management risks.
4	Insecure implementation.
5	Tool-related bugs & Exceptions.
6	Exceptions.
7	Contractual and legal risks.
8	Content quality risk.
9	Technical support risk.
10	Timing risks / management.

11	Budget (cost) risk.

LIKELIHOOD RANK	IMPACT RANK	COMBINED RANK	RISK DESCRIPTION
1	3	4	Management risks.
6	4	10	Insecure implementation.
5	5	10	Tool-related bugs & Exceptions.
11	1	12	Requirements not-matching / Validation risk.
10	2	12	Timing risk / requirement changes.
2	10	12	Timing risks / management.
3	9	12	Technical support risk.
4	8	12	Content quality risk.
7	6	13	Exceptions
8	7	15	Contractual and legal risks.
9	11	20	Budget (cost) risk