Doy! Risk List

Risk ID	Date Identified	Headline	Description	Type	Impact	Probability	Magnitude	Owner	Mitigation Strategy
1	4/4/2025	Requirements Change	There will be a significant number of changes to the requirements.	I	3	30%	0.9	Software Project Manager	Make sure the software is designed so that changes do not break the entire system. Use design patterns and good frontend-backend practices.
2	4/4/2025	Size Underestimation	The size of the system is underestimated	I	3	70%	2.1	Software Project Manager	Expand features if possible, or put limits on the system as we have a time constraint.
3	4/4/2025	Incapability of Database	The database is incapable of managing efficient storage and transactions of data.	D	5	5%	0.3	Software Analyst	Use a different database or debug data transactions to see if any improvements can be made.
4	4/4/2025	Team Member Unavailability	Team members are ill or unavailable at key times.	I	3	90%	2.7	Software Project Manager	Make sure all team members understand the system and can adapt easily to new roles.
5	4/4/2025	Changes to the Tasks of Team Members	Team members unable to complete their assigned tasks and are assigned to different ones.	I	4	40%	1.6	Software Project Manager	Make sure all team members get the most efficient training and understand the whole system.
6	4/4/2025	Technology Change	Technology used must be changed due to inefficiency or incapability.	D	5	30%	1.5	Software Architect	Determine other possible tools as fallbacks beforehand and switch to them.
7	4/4/2025	Hard to use Software Tools	Some tools that are planned to be used are difficult to grasp and team members waste too much time training to use them.	D	4	60%	2.4	Software Architect	Either look for other tools or plan a training session.
8	4/4/2025	Custom Feature Integration Failures	Custom features such as vegan mode, allergen filters, recommendation systems cannot be implemented as expected.	D	5	40%	2.0	Software Analyst	See if the feature can be cut from the project. In the case that it cannot be cut, try to place limitations on what it can do.
9	4/4/2025	Underestimation of the Debugging Process	The debugging process takes more time than expected.	I	3	50%	1.5	Software Tester	Focus on creating test cases and pinpoint the reason of failure.
10	4/4/2025	Time Underestimation	The development time is underestimated.	I	4	80%	3.2	Software Project Manager	Put limitations on the project features and emphasize on finishing the ordinary features.
11	4/4/2025	Underestimation of Team Member Training	The initial training of team members take longer than expected.	I	5	30%	1.5	Software Project Manager	Arrange training sessions where team members come together and discuss about the material.
12	4/4/2025	Product Competition	A competitive product similar to ours is released before the system is completed.	I	1	60%	0.6	Software Project Manager	Analyze the competitor and focus on implementing its weak features more efficiently. Also, look for important but missing features.

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13	4/4/2025	Poor System Security	Data and payment security methods are not secure enough.	D	5	10%	0.5	Software Architect	Look for better third party alternatives.
14	4/4/2025	Too Many Unexpected System Crashes	The system crashes more than expected on ordinary events or due to an overload of user actions	D	5	30%	1.5	Software Tester	Focus on creating simple test cases for events that cause a crash on the system.
15	4/4/2025	Low User Count	The system is not used enough by customers, restaurant owners and/or couriers	D	5	30%	1.5	Software Project Manager	Analyze user reviews, arrange campaigns and focus on the weak points of the system.
16	4/4/2025	Third Party Service Integration Failures	Integration of Payment, Navigation and User Authentication services cannot be integrated or take more time than expected.	D	4	70%	2.8	Software Architect	Look for easier alternatives. Accept limitations for these alternatives if the old system cannot be implemented.
17	4/4/2025	Server Side Failures	The server is unable to respond to certain events, more frequently than expected.	D	5	10%	0.5	Software Tester	Focus on creating simple test cases for events that cause a crash on the server.
18	4/4/2025	Boot Failures	The system fails to boot.	D	5	10%	0.5	Configuration Manager	Look into the system configuration files and check browser compatibility.