

SE 216 – SOFTWARE PROJECT MANAGEMENT
PROJECT RISKS DOCUMENT

PROJECT NAME: ECOLIB

GROUP MEMBERS: Group 7 / Alp BOSTANCI, Alper Özgür ŞAHİN, Efe YOLARTIRAN, Havvanur KARAKAYA, Kaan OĞUZER, Tugay AVYÜZEN

LIKELIHOOD RANK	RISK DESCRIPTION
1	Testing: Risks in the testing process such as inadequate test coverage, inappropriate test environment, test data management issues and regression testing can affect software quality, delay on-time delivery and reduce customer satisfaction.
2	Schedule Delays: The project schedule might be unrealistic or unexpected delays might occur due to technical challenges or resource limitations.
3	System Integration: Integrating multiple systems can lead to compatibility issues, especially when dealing with hardware components like turnstiles and cameras.
4	Unclear Requirements: Incomplete or unclear requirements can lead to features that don't meet user needs or a system that is difficult to develop and maintain.
5	Stakeholder Communication: Poor communication with stakeholders (students, library staff, administrators) can lead to misunderstandings and resistance to the new system.
6	Complexity of Image Processing: Developing and implementing accurate image processing algorithms to identify occupancy and user behavior can be challenging.
7	Resource Constraints: Interruption or disruption of the flow of information and resources provided for the project disrupts the continuity of the project.
8	Security Concerns: The system will store student information and data on library usage. Measures need to be implemented to ensure data security and privacy.

SE 216 – SOFTWARE PROJECT MANAGEMENT
PROJECT RISKS DOCUMENT

IMPACT RANK	RISK DESCRIPTION
1	Security Concerns: The system will store student information and data on library usage. Measures need to be implemented to ensure data security and privacy.
2	System Integration: Integrating multiple systems can lead to compatibility issues, especially when dealing with hardware components like turnstiles and cameras.
3	Complexity of Image Processing: Developing and implementing accurate image processing algorithms to identify occupancy and user behavior can be challenging.
4	Testing: Risks in the testing process such as inadequate test coverage, inappropriate test environment, test data management issues and regression testing can affect software quality, delay on-time delivery and reduce customer satisfaction.
5	Resource Constraints: Interruption or disruption of the flow of information and resources provided for the project disrupts the continuity of the project.
6	Stakeholder Communication: Poor communication with stakeholders (students, library staff, administrators) can lead to misunderstandings and resistance to the new system.
7	Unclear Requirements: Incomplete or unclear requirements can lead to features that don't meet user needs or a system that is difficult to develop and maintain.
8	Schedule Delays: The project schedule might be unrealistic or unexpected delays might occur due to technical challenges or resource limitations.

SE 216 – SOFTWARE PROJECT MANAGEMENT
PROJECT RISKS DOCUMENT

LIKELIHOOD RANK	IMPACT RANK	COMBINED RANK	RISK DESCRIPTION
1	4	5	Testing: Risks in the testing process such as inadequate test coverage, inappropriate test environment, test data management issues and regression testing can affect software quality, delay on-time delivery and reduce customer satisfaction.
3	2	5	System Integration: Integrating multiple systems can lead to compatibility issues, especially when dealing with hardware components like turnstiles and cameras.
6	3	9	Complexity of Image Processing: Developing and implementing accurate image processing algorithms to identify occupancy and user behavior can be challenging.
8	1	9	Security Concerns: The system will store student information and data on library usage. Measures need to be implemented to ensure data security and privacy.
2	8	10	Schedule Delays: The project schedule might be unrealistic or unexpected delays might occur due to technical challenges or resource limitations.
4	7	11	Unclear Requirements: Incomplete or unclear requirements can lead to features that don't meet user needs or a system that is difficult to develop and maintain.
5	6	11	Stakeholder Communication: Poor communication with stakeholders (students, library staff, administrators) can lead to misunderstandings and resistance to the new system.
7	5	12	Resource Constraints: Interruption or disruption of the flow of information and resources provided for the project disrupts the continuity of the project.

SE 216 – SOFTWARE PROJECT MANAGEMENT
PROJECT RISKS DOCUMENT