



American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

Project Title:

Integrated Application Usage Tracking & Parental Control System

Supervised by:

TONNY SHEKHA KAR

A Software Engineering Project Submitted

By

Semester: Summer_23_24		Section: H	Group Number: 09	
SN	Student Name	Student ID	Contribution (CO3+CO4)	Individual Marks
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Risk Management

Risk	Category	Probability	Impact	Mitigation Strategy
Size estimate may be significantly low	PS (Project Size)	60%	2(Critical)	Perform a detailed analysis of requirements.
Large number of users than planned	PS (Project Size)	35%	3(Marginal)	Break down tasks for better estimation.
Less reuse than planned	PS (Project Size)	70%	3(Marginal)	Plan for scalability from the start.
Deviation from defined software development process	PR (Process)	40%	2(Critical)	Use cloud-based services for easy scaling.
Delivery might exceed deadline	BU (Business)	45%	2(Critical)	Prioritize reusable code design.
Project budget might exceed deadline	BU (Business)	40%	2(Critical)	Implement modular coding practices.
Unavailability of necessary tools	DE (Development)	70%	1(Marginal)	Conduct regular process audits.
Personnel shortfalls	DE (Development)	20%	1(Marginal)	Ensure team adherence to development methodologies.
Developing the wrong software functions	TE (Technical)	5%	4(Negligible)	Establish clear milestones.
Developing the wrong user interface	TE (Technical)	5%	1(Marginal)	Regular progress tracking and reporting.
Late changes to requirements	BU (Business)	30%	1(Marginal)	Maintain a strict budget tracking process.
Development technically too difficult	ST (Technical Skills)	10%	3(Marginal)	Plan for contingency funds.
Security vulnerabilities	TE (Technical)	30%	2(Critical)	Identify alternative tools in advance.
Inexperienced staff	ST (Technical Skills)	35%	2(Critical)	Maintain a list of backup resources.
Important staff unavailable on-site	ST (Technical Skills)	10%	2(Critical)	Cross-train staff.
Interface design might not be user-friendly	BU (Business)	30%	2(Critical)	Keep a pool of backup resources.

Risk	Category	Probability	Impact	Mitigation Strategy
Ethical dilemma	CU (Cultural)	40%	4(Negligible)	Maintain clear communication with stakeholders.
High maintenance costs due to poor design	DE (Development)	50%	2(Critical)	Conduct early validation of requirements.
Data privacy concerns	TE (Technical)	45%	2(Critical)	Engage in frequent UI/UX testing.
Miscommunication between team members	PR (Process)	35%	3(Marginal)	Get continuous feedback from users.
Dependency on third-party services	ST (Technical Skills)	30%	3(Marginal)	Implement change management practices.
Low user adoption due to lack of marketing	BU (Business)	40%	3(Marginal)	Allow buffer in the timeline for changes.
Regulatory non-compliance	CU (Cultural)	20%	4(Negligible)	Ensure skill alignment with project requirements.