NewAp Project Proposal

ITPM - Group 2

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TABLE OF CONTENTS

01. Project Scope

02. Stakeholders

03. Project Life Cycle

04. Development Methodology

05. Project Schedule and Cost

06. Project Plan

07. Quality Assurance

08. Project Closure

01.

PROJECT SCOPE

Objectives

1. Develop the NewAp mobile app for Android, replacing EDC for individual merchants.
2. Integrate seamlessly with key Bank systems like ESB, ITM, Email Server, SMS Gateway, Active Directory, and User Management.
3. NewAp provides banking services, sales reporting, report extraction, promotional info, direct communication with the bank, and tutorials for enhanced merchant value.

Deliverables

1. Develop the NewAp Android app for optimal performance on merchant smartphones.

2. Integrate NewAp with specified Bank systems for seamless communication and data exchange.

3. Create user manuals for effective use of the NewAp application by merchants.

4. Implement training programs to maximize merchant benefits from NewAp.

5. Conduct rigorous testing to ensure system functionality, security, and compliance.

Milestones

1. Initiation and Planning within 11 weeks.
2. Application development and testing within 35 weeks.
3. Training within 2 weeks.
4. Deployment within 3 weeks.
5. Project closure on 4 - 10 December 2024.

Facilities: Communication channels and project management tools

Resources

1. Project manager
2. Mobile app developers
3. Backend developers
4. Web developers
5. System integrations
6. QA testers
7. UI/UX designers
8. Technical writer
9. Security experts
10. Cloud specialist

02.

Stakeholders

StakeHolders

Bank Management

01.

Primary beneficiary of the product

Merchants & Vendors

02.

Targeted user of the product

IT Team

03.

Developing the actual product itself

Governments & Regulators

04.

Constructing legal standards and ethical adherence

03.

Project Life Cycle

Initiation

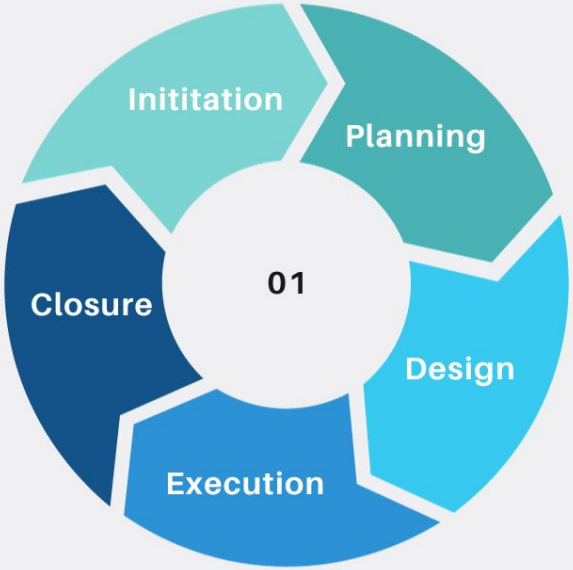
The initiation phase kicks off the NewAp project, with the bank identifying goals, creating a project charter, and assembling a core team. The project manager refines objectives with stakeholders, setting the stage for planning and design activities.

Planning

The project manager and bank's business analysts gather detailed requirements for the NewAp application and admin portal, including use cases, features, integrations, data, and security outlined in the BRD. Stakeholder review precedes finalization.

Design

The development team reviews finalized requirements, creating high-level application architecture, interface designs, including database schema, API specs, cloud infrastructure, and security controls. UI/UX designers design mobile app screens and admin portal pages.



Execution

In the Execution phase, the development team follows agile methodology for coding, testing includes integration, system, and performance tests, and deployment involves a pilot release to merchants for trial and feedback before incremental rollout.

Closure

After project closure, NewAp moves into maintenance mode with the live application being supported. The team continues to address issues, release enhancements, monitor performance.

04.

Development Methodology

Agile Approach

01. Agile Methodology with 2-Week Sprints:

Agile's 2-week sprints enable dynamic, iterative progress aligned with evolving project needs.

02. Continuous Integration and Delivery

Continuous integration and delivery automate code merging and deployment, minimizing potential issues for a more efficient and scalable system.

03. Close Collaboration Across Teams

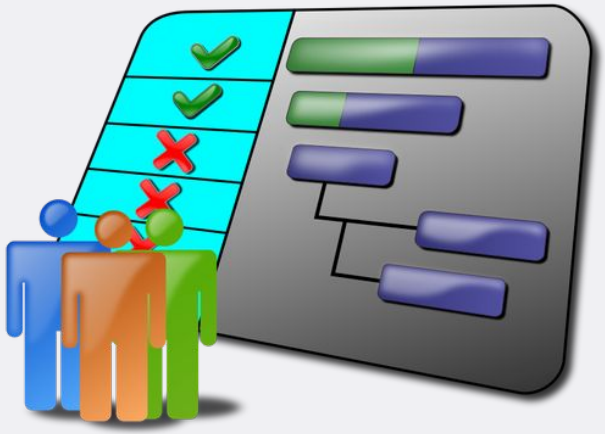
Collaboration ensures effective communication and issue resolution among development, QA, and bank teams, promoting a cohesive, unified effort.

04. Iterative Design and Development with Feedback Loop

Iterative design, fueled by feedback, ensures the system aligns closely with user needs and evolves swiftly.

05.

Project Schedule and Cost



Project Schedule

Project Cost

Budget Item	Purpose	Fund Allocated
Development and Testing	Covers the salary for all project team members	IDR 1,149,000,000
Cloud Hosting	Covers cloud infrastructure costs to host the project.	IDR 150,000,000/year
Training and Rollout	Covers expenses for training materials, sessions, and support during the rollout phase.	IDR 130,000,000
Data Retention	Involve the expenses related to storing transaction data, implementing backup solutions, and ensuring data integrity.	IDR 75,000,000/year
Ongoing Maintenance and Support	Ongoing support and maintenance expenses, covering activities such as bug fixes, updates, and general support to ensure the continued reliability of the application.	IDR 180,000,000/year
Contingency	Covers unforeseen expenses and contingencies.	IDR 168,400,000

06.

Project Plan

Work Breakdown Structure

Work Breakdown Table				
Phase	**Activity Description**	**Deliverables**	**Team Member**	**Due Date**
1. Initiation	1.1 Project Kickoff Meeting	Meeting minutes, project plan	Project Manager	26-Nov-23
	1.2 Identify Project Stakeholders	Stakeholder register, communication plan	Project Manager	03-Dec-23
	1.3 Document Project Charter	Project charter document	Project Manager	10-Dec-23
2. Planning	2.1 Requirements Gathering	Requirements document	Project Manager	17-Dec-23
	2.2 System Design	Design documents	Developers	07-Jan-24
	2.3 Plan Development Approach	Development approach document	Project Manager	28-Jan-24
	2.4 Resource Planning	Project schedule, resource plan	Project Manager	04-Feb-24
	2.5 Risk Management	Risk assessment document	Project Manager	11-Feb-24
3. Development & Testing	3.1 Core Application Development	Source code, builds	Backend Developer	30-Jul-24
	3.2 Web Portal Development	Source code, builds	Web Developer	01-Sep-24
	3.3 Mobile App Development	Source code, builds	Mobile App Developer	15-Oct-24
	3.4 Implement Security Controls	Source code	Security Expert	04-Mar-24
	3.5 Unit Testing	Unit test cases and reports	QA Analyst	15-Oct-24
	3.6 User Acceptance Testing	UAT test cases and results	QA Analyst	15-Oct-24
	3.7 Security Testing	Security test reports	Security Expert	15-Oct-24
5. Training	5.1 Develop Training Material	Training materials, presentations	Training Team	29-Oct-24
	5.2 Deliver Training Environment	Completed sessions	Training Team	05-Nov-24
6. Deployment	6.1 System Installation	Production environment	IT Team	19-Nov-24
	6.2 Data Migration	Migrated data	IT Team	26-Nov-24
	6.3 Go-Live	Launched System	IT Team	27-Nov-24
7. Maintenance & Support	7.1 Provide Helpdesk Support	Helpdesk performance reports	Support Team	Ongoing
	7.2 Monitor System Performance	Performance reports	Support Team	Ongoing
8. Project Closure	8.1 Obtain Final Acceptance	User acceptance signoff	Project Manager	10-Dec-24
	8.2 Document Lessons Learned	Lesson learned report	Project Manager	10-Dec-24
	8.3 Archive Project Documents	Project document archive	Project Manager	10-Dec-24
	8.4 Handover project to bank	Project completed	Project Manager	10-Dec-24

Communication Plan

Objectives

Inform Stakeholders, Foster Collaborative, Transparency, and Address Concern.

Channels

Project Meetings, Email Updates, Project Documentation, and Instant Messaging.

Frequency

Weekly, Bi-Weekly, and As Needed.

Feedback

Regular Solicitation, Open-Door Policy, One-on-One Check-ins.

Risk Management

1. Identify and assess potential risks early.
2. Continuously monitor and control risks.
3. Develop contingency plans for high-impact risks.
4. Communicate risk status regularly.
5. Learn from project experiences to improve risk management.

07.

Quality Assurance

"Quality is not an act, it is a habit" - Aristotle

Quality Management

For a more integrated communication channel, NewAp aims to enhance merchant services by ultimately providing a cost-effective and user-friendly solution for individual merchants.

01. Performance & Scalability

With a target of 20,000 users and 150,000 transactions per day, the application must be able to handling high concurrent loads while maintaining a sustainable and quick response time

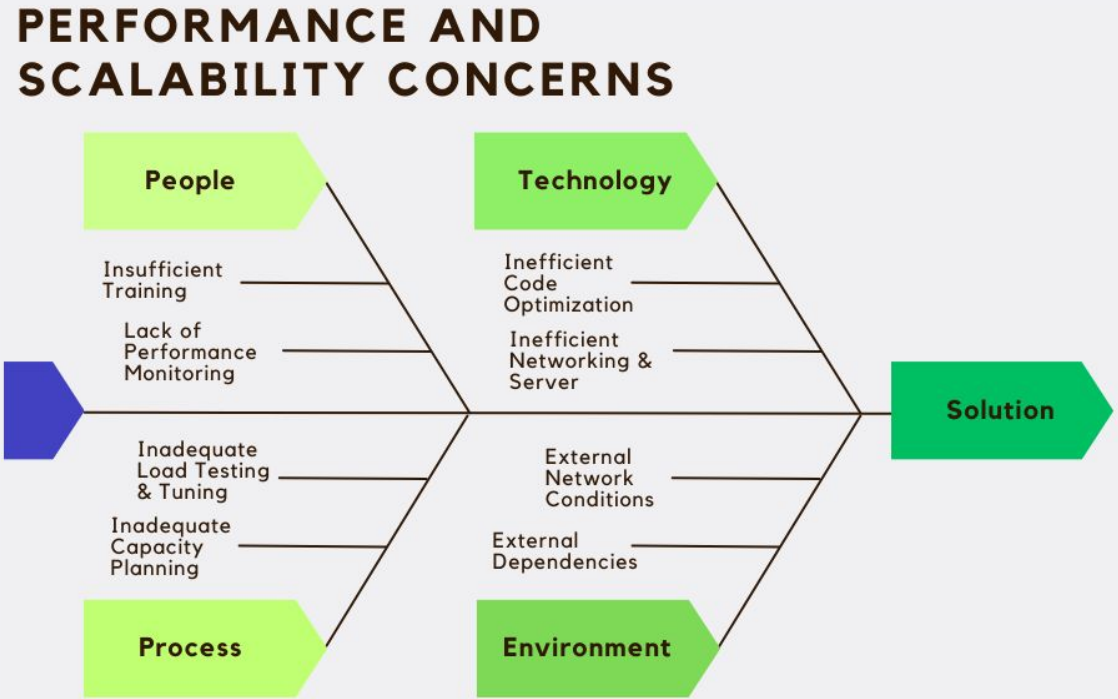
02. User Experience & Accessibility

The success of the NewAp application relies on its ease of use for individual merchants at widespread adoption

03. Security Compliance & Data Protection

Any compromise could lead to financial losses and quality deterioration, therefore ensuring the security and protection of sensitive data is important

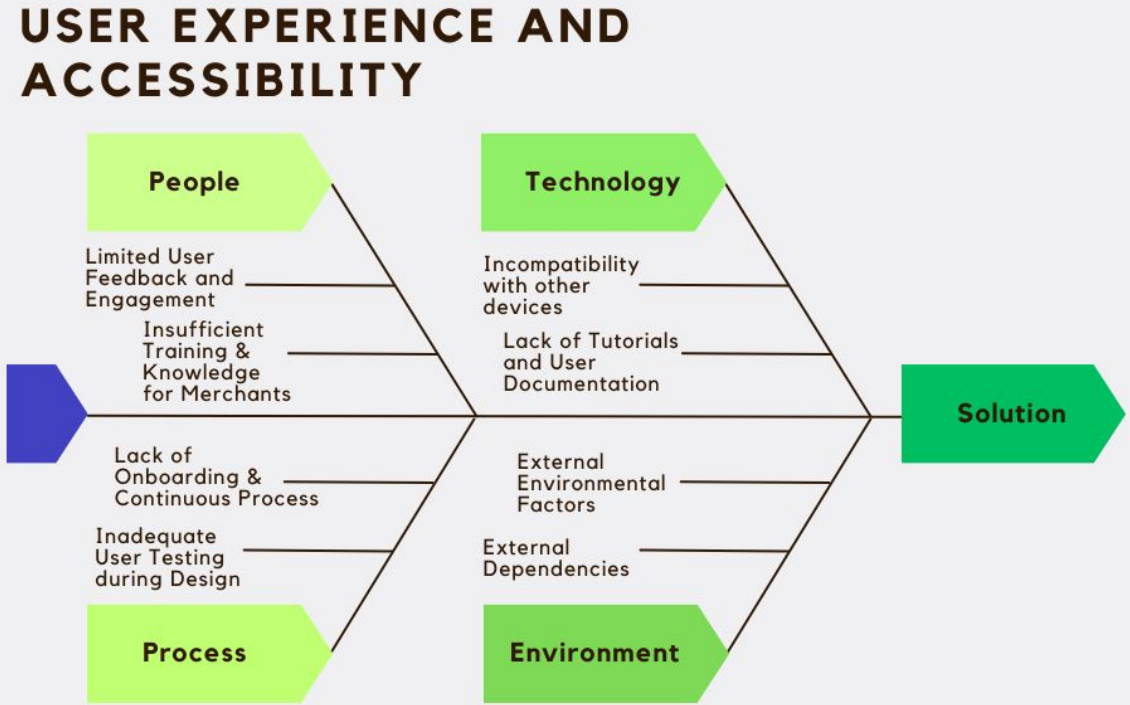
Quality Control



Load Testing and Performance Optimization

Employ load testing to assess system performance under various conditions, optimizing code and infrastructure to meet the specified response time and scalability requirements

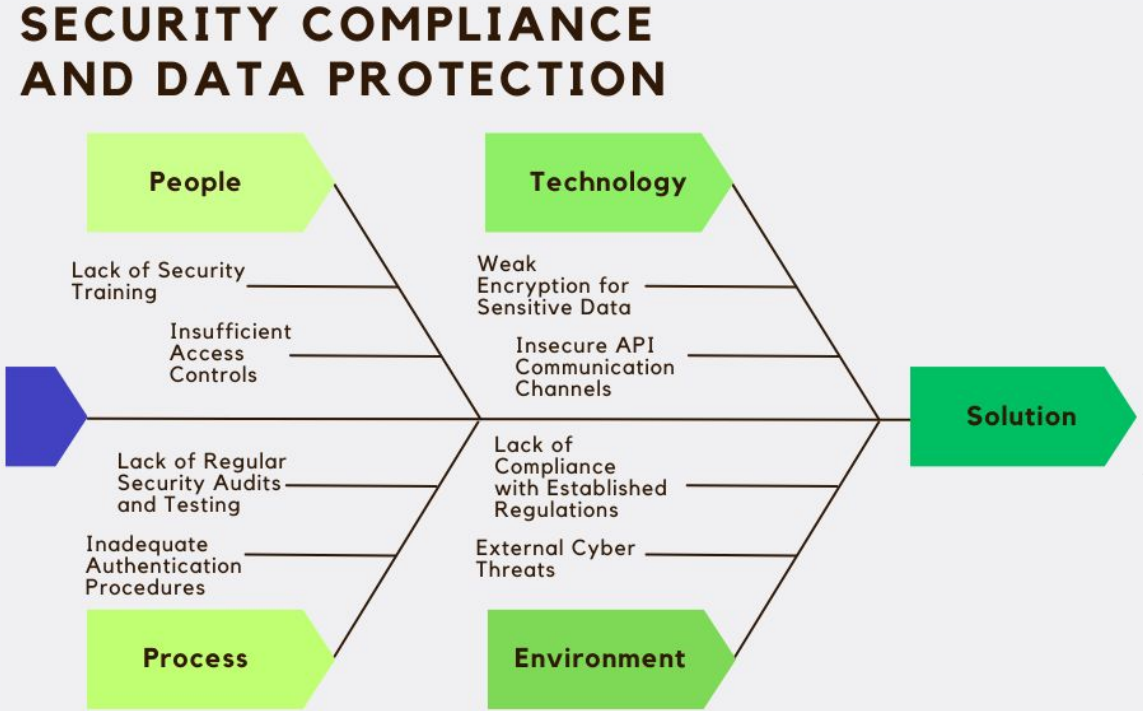
Quality Control



User Experience Testing and Accessibility Testing

Actively Conduct thorough user experience testing, ensuring the application is intuitive, compatible with different devices, and supported by clear tutorials for effective onboarding from a diverse group of users

Quality Control



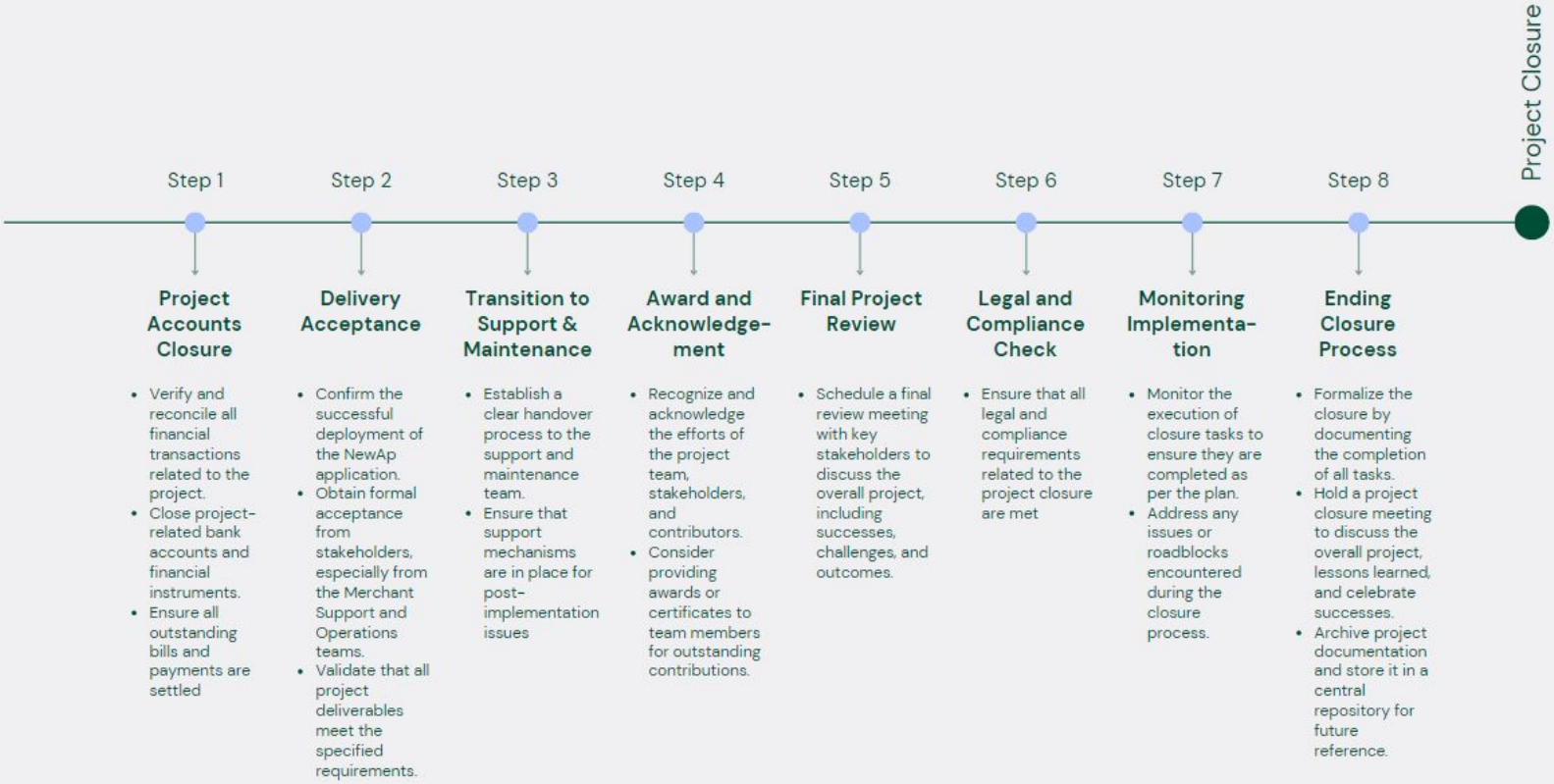
Security Auditing and Penetration Testing

Implement regular penetration testing and security audits to identify and address vulnerabilities, ensuring continuous compliance with industry standards and regulatory requirements

08.

Project Closure

Closing Stage



THANK YOU!