An Initial Draft of the Software Project Management Plan (SPMP)

Project Title: ATM Banking System

Maryam Fahmi, Samih Wadi, Sidra Musheer, Jessica Morcos, Tito Osemobor, Nicanor Obasi

Toronto Metropolitan University
CPS406 - Section 6
Introduction to Software Engineering

CONTENTS

PROJECT NAME

METCash

PROJECT DESCRIPTION

Our ATM banking system allows customers to access their bank accounts on the internet using a computer or mobile system (In our case, it will be a website implementation). The system will include the following functionalities:

- Account balance checks
- Deposits and Withdrawals
- Security Layer (e.g., encryption, login credentials)
- Transferring Funds
- Paying Bills

We will also create a database to keep track of all users' account information, which will contain our security layer to ensure the safety of our customer's money as well as a user-friendly interface that is easy to understand and navigate.

DEVELOPMENT METHODOLOGY

In our ATM Software Development Project, we will combine the Spiral Model with the Phased-Release Model to benefit from the advantages of both techniques. The Spiral Model will give a systematic method to risk assessment and management. In contrast, the Phased-Release Model will allow for early input from stakeholders as well as iterative software development and delivery.

This combination will aid in ensuring that the software satisfies the demands of stakeholders and that any possible problems are detected and handled early in the development process. This will ensure improvement of the code till deployment while using the phases stated in the different lab submissions to divide the work into sections.

OBJECTIVE

The primary objective of our ATM software is to provide a secure, reliable, and user-friendly way for customers to access their financial accounts and perform various transactions, such as deposits, withdrawals, balance inquiries, and bill payments. The software is designed to meet the following specific goals.

Security:
To ensure the security of customer financial information and transactions by implementing various security features, such as encryption, firewalls, and user authentication.

Reliability:
To minimize the risk of the software malfunctioning and ensure that it is available for customers to use when they need it. The system includes features for monitoring and maintaining the software, such as real-time monitoring, diagnostics, and reporting.

User-friendliness:
To make it easy for customers to use the software by providing an intuitive and user-friendly interface, including clear instructions and graphics.

Compliance:
To ensure that the software complies with relevant financial regulations and standards, such as the Payment Card Industry Data Security Standard (PCI DSS).

Maintenance:
To ensure that the software is maintained and updated as needed and to keep track of maintenance schedules and update history.

PROJECT MANAGEMENT AND TEAM STRUCTURE

CHIEF PROGRAMMER MANAGEMENT STRUCTURE

Chief Programmers - Nicanor and Sidra

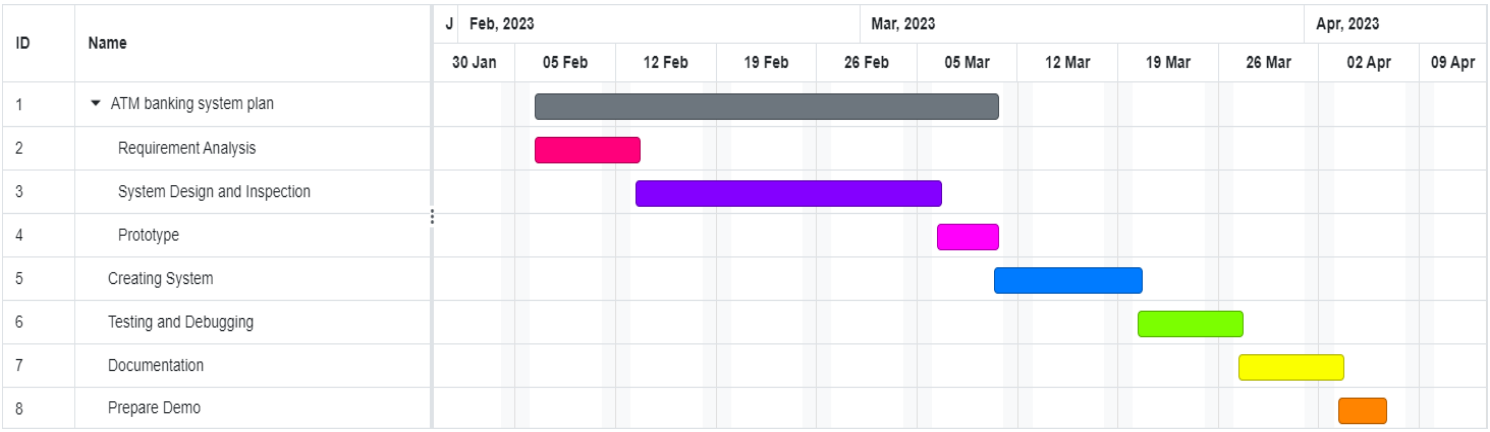
Report to Sidra - Tito and Jessica

Report to Nicanor - Samih and Maryam

TASK DISTRIBUTION

Roles	Responsibilities	Members
Project Manager	Overall project management Research and requirement analysis (Gathering Software and Hardware requirements)	Nicanor, Sidra
User Experience Designer	Design & Inspection	Jessica, Maryam, Tito, Samih
Software Development	Initial Prototyping Front End coding Back End Coding Re-engineering Deployment (Demo included)	Nicanor, Sidra Nicanor, Maryam, Samih Tito, Sidra, Jessica Nicanor, Sidra Jessica, Maryam
Quality Assurance	Testing & Debugging	Tito, Samih
Technical Writer	Responsible for producing documentation	Sidra

GANTT CHART AND TABLE



Name	Start Date	End Date	Duration
ATM banking system plan	Feb 06, 2023	Mar 10, 2023	25 days
Requirement Analysis	Feb 06, 2023	Feb 13, 2023	6 days
System Design and Inspection	Feb 13, 2023	Mar 06, 2023	16 days
Prototype	Mar 06, 2023	Mar 10, 2023	5 days
Creating System	Mar 10, 2023	Mar 20, 2023	7 days
Testing and Debugging	Mar 20, 2023	Mar 27, 2023	6 days
Documentation	Mar 27, 2023	Apr 03, 2023	6 days
Prepare Demo	Apr 03, 2023	Apr 06, 2023	4 days

This chart and table show all due dates and account for the most needed and given amount of time to do each task, therefore, delays don't need to be mentioned.

Spiral and Phase model