Software Project Management Plan

Commerce Online Banking
September 23, 2019

Team Members

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Document Control

Change History

Revision	Change Date	Change By	Description of changes
V1.0	09/23/2019	Tran, Ruth, Salay	Initial release
V1.1	09/26/2019	Tran, Ruth, Salay	Updated 1.4-2.3
V1.2	09/30/2019	Ruth, Salay, Wolfe	Updated 1.6-1.9, 3.3-5.4

Document Storage
This document is stored in the project's SVN repository at:
https://drive.google.com/file/d/1uFflc3Nxn3kO5gckeC0MrsP_tgIqi7AX/view .

Document Owner
David Tran is responsible for developing and maintaining this document.

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1 Overview

1.1 Purpose and Scope

This purpose of this project is to create a web application that pulls in transaction details and allows the user to set alerts/business rules and receive notifications about them.

The system will allow users to login to the system to access their transaction information. The system will allow viewing transactions and exporting reports of these transactions. The system will provide configurable predefined rules to be enacted to provide alerts when a transaction conforming to these rules occurs. Rules cannot be configured beyond these predefined controls. The system will provide exporting and viewing of reports of alerts conforming to a user specified time period. The system will not allow for any further customization of reports beyond these predefined controls.

1.2 Goals and Objectives

Project goals:
1. Create a functional login page, homepage, transactions page, alerts page, reports page, and rules page.
2. Complete user guide.

Project objectives:
1. Login page allowing users to enter username and password to access account information.
2. Homepage alerting users of new alerts, most recent transactions, links to other pages to navigate site and ability to hide alerts where the times tripped is zero.
3. Transaction page with a transaction list sorted by date, ability to export transaction list and links to other pages.
4. Alerts page containing all alerts in a list sorted by date and links to other pages.
5. Reports page containing alerts configurable to specified dates or criteria, ability to export reports and links to other pages.
6. Rules page allowing for configurable rules to be created to alert user when transactions fit into a set of criteria, at least 3 different types of rules, the ability to customize rules without technical assistance and links to other pages.

1.3 Project Deliverables

The following items will be delivered to the customer on or before 12/2/2019:
1. Source code for both the client and server portions of the system
2. Functioning website
3. System test cases

1.4 Assumptions and Constraints

Assumptions:
1. UMKC server will always be working.
2. Assume that we have creative free will outside of the constraints.

Constraints:
1. The software does not allow new users to register (must be registered by bank).
2. The website will be built on ASP.NET platform.
3. The database will be built on MySQL Server.
4. The software must be ready by 12/2/2019.

1.5 Schedule and Budget Summary

Iteration	Start Date	End Date	Milestones
Iteration 1	09/23/19	09/30/19	functional login page
Iteration 2	09/30/19	10/14/19	functional home page
Iteration 3	10/14/19	10/28/19	functional transaction page
Iteration 4	10/28/19	11/11/19	functional reports page
Iteration 5	11/11/19	12/02/19	functional alerts

Iteration	Hourly Rate	Total hours per iteration	Total cost per iteration
Iteration 1	$30	32	$960
Iteration 2	$30	32	$960
Iteration 3	$30	32	$960
Iteration 4	$30	32	$960
Iteration 5	$30	32	$960

1.6 Success Criteria

- The project is completed by (or before) the 12/02/19.
- The project meets the customer's requirements and expectations.
- The amount of flaws and defects are minimized.

1.7 Evolution of the Project Plan

- There will be a meeting at the start of every iteration
- Every meeting we will discuss completed tasks, incomplete tasks, problem tasks and unforeseen tasks
- Then the project plan will be updated to include a schedule detailed tasks for the upcoming iteration.
- The amount of flaws and defects are minimized during each iteration.

2 Startup Plan

2.1 Team Organization

David Tran is the project manager who has the overall responsibility of the project. We do not have a technical project manager currently, yet we do have three software developers in our team who are responsible for the technical project execution.

Project Manager:	David is responsible for creating the project plan and running the weekly team meeting, as well as for the project-internal functions, and can delegate the management of these functions to project team members.
Developers (3):	Uhura, Jonathan and Tarik are primary responsible for coding and managing the database tools. They are also expected to take review meetings, in terms of improvement.

2.2 Project Communications

We are using Slack app for communication and Trello to keep track of the stages. Also we have a GitHub group for documentation.

2.3 Technical Process

We have worked on .NET and MySQL collaboratively, and contacted to Commerce Bank's IT staff when further information needed.

2.4 Tools

This section specifies the development tools the team will be using to perform their work.

- Programming Language – C# in .NET Core framework, Connector/NET
- Version Control – source code and written artifacts will be stored in a Subversion repository on Github.
- Database – MySQL

3 Work Plan

3.1 Activities and Tasks

Milestones	Description	Milestone Criteria	Planned Date
	Start Project	Collect Requirements, Develop Ideas	<2019-09-16>
	Project Charter	Project Charter Completed	<2019-09-20>
	Requirements Document	Requirements are Finalized	<2019-09-23>
M1	End of Iteration 1	Database and Website Design Finalized	<2019-09-30>
	Project Plan	Project Plan Document Completed	<2019-09-30>
	Technical Prototype	Project Draft Created, Prepare for Presentation	<2019-10-07>
M2	End of Iteration 2	Mock UI Complete First Deployable	<2019-10-14>

M3	End of Iteration 3	Clean Up Website	<2019-10-28>
	Project Status	Status of Project Timeline for Completion	<2019-10-28>
	Architecture Document	Evaluation of Architecture Defined Modules	<2019-11-01>
M4	End of Iteration 4	Testing	<2019-11-11>
	Test Report	Plan for Testing	<2019-11-22>
	User and System Guide	Create Guide for User for the System Functionality	<2019-12-01>
	Project Reports	Progress Reporting on Project	<2019-12-01>
M5	End of Iteration 5	Final Updates to Project	<2019-12-02>
	Project Presentation	Present Final Edition of Project	<2019-12-02>
	Close Project		<2019-12-03>

3.2 Release Plan

2019-09-30 Milestone 1
2019-10-14 Milestone 2
2019-10-28 Milestone 3
2019-11-11 Milestone 4
2019-12-02 Milestone 5

3.3 Iteration Plans

2019-09-30 Iteration 1
2019-10-14 Iteration 2
2019-10-28 Iteration 3
2019-11-11 Iteration 4
2019-12-02 Iteration 5

3.4 Budget

Total calculated budget for each milestone based on cost estimates for project activities

M1	M2	M3	M4	M5
$960	$960	$960	$960	$960

4 Supporting Process Plans

4.1 Risk Management Plan

Major risks we have determined for this software are as follows:
- Equipment failure
- Late delivery of software
- DBMS will not meet expectations
- End user confusion due to no user manual
- Poor commenting of source code

4.2 Configuration Management Plan

All identified risks are documented, assessed and prioritized in the Risk Management Plan by the Project manager.. The Risk Management Plan is updated monthly or on event and communicated to all affected stakeholders by the Project Manager.