

Paprika Finance Software Project Management Plan

Team Paprika
Paprika Finance
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1.3

Table of Contents

Introduction	4
Identification	4
Scope and Business Case	4
Document Overview	4
Relationship to Other Plans	4
Acronyms and Definitions	5
References	5
Overview	5
Relationships	5
Source Code	5
Documentation	5
Project Resources	6
Software Process	6
Software Development Process	6
Life Cycle Model	6
Software Engineering Activities	6
Handling of Critical Requirements	6
Recording Rationale	6
Reusable Software	7
Software Testing	7
Schedule	7
6.1 Sprint 1	7
6.2 Sprint 2	7
6.3 Sprint 3	7
6.4 Sprint 4	7
Appendix A Software Quality Assurance	8
Appendix B Software Configuration Management	8
Appendix D Software Requirements Specification	8
Requirements Traceability Matrix	8

Revision Sheet

Revision Number	Date	Brief Summary of Changes
1.0	19/02/2018	Baseline document draft
1.1	20/02/2018	Added RTM
1.2	21/02/2018	Added the business case into scope
1.3	01/04/2018	Updated the schedule

1 Introduction

1.1 Identification

This document applies to the software development effort in support of the development of the Paprika Finance Version 0.1.

1.2 Scope and Business Case

Paprika Finance was developed for Youry Khmelevsky.

Paprika Finance will be a way for a common consumer to organise their finances, and be a tool for them to understand them better. Right now there are a few similar app such as Mint and Qapital, but with Paprika Finance we aim to be more user friendly and have a shorter usage time.

Without a finance app like Paprika Finance, users will have a harder time managing their money across multiple accounts and especially those who hold accounts with multiple institutions. Paprika Finance will also help users display the information from their accounts via graphs and charts.

Advertisements will be displayed on the main page of the app to be displayed while the user is in between tasks. This will allow the us to display a medium size advertisement without damaging the user's experience.

1.3 Document Overview

The purpose of the Paprika Finance Software Development Plan (SDP) is to guide Team Paprika project management during the development of Paprika Finance 0.1. Software Quality Assurance (SQA) procedures are captured in Appendix A of the SDP. Appendix B is used to document Software Configuration Management (SCM) activities where these activities deviate from Team Paprika SCM Plan. Project management and oversight activities (i.e., risk tracking, problem reporting) are documented in Appendix C of the SDP where these activities deviate from the Team Paprika Risk Management Plan. Requirements for the project will be captured in the Paprika Finance Software Requirements Specification (SRS). This plan will be placed under configuration management controls according the the Team Paprika Software Configuration Management Plan. Updates to this plan will be handled according to relevant SCM procedures and reviews as described in the Team Paprika Software Quality Assurance Plan.

1.4 Relationship to Other Plans

There are several other Team Paprika documents which support the information contained within this plan. These documents include: Team Paprika Software Configuration Management Plan. Paprika Finance project specific documentation relating to this plan include: Paprika Finance Software Requirements Specifications. This plan has been developed in accordance with all Team Paprika software development processes, policies, and procedures.

2 Acronyms and Definitions

App	A mobile application that runs on a phone or tablet
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3 References

Referenced documents include and are located in the same location as this document:

- Software Configuration Plan
- Software Requirements Specification
- Software Design Document

4 Overview

The project schedule in support of Paprika Finance was initiated February 9, 2018 with a target completion date of April 24, 2018. Incremental product deliveries may be requested, but none are identified at this time. The delivery requirements are to build and provide a working mobile application. The Paprika Finance will be delivered upon the completion date, and Youry Khmelevsky acceptance of the product. A user's manual shall also be considered to be required as part of this delivery. Detailed requirements information is provided by the Software Requirements Specification document, located in the same folder as this document.

4.1 Relationships

4.2 Source Code

The source code is required to be delivered in a zip file by the SCRUM Master. This will be delivered at the end of each sprint and submitted on the connect website.

4.3 Documentation

The Paprika Finance will have a user's manual written by the developers. The user's manual included with all other documents to the client. Please refer to the Paprika

Finance master schedule for a development timeline of associated users on line help and manual.

4.4 Project Resources

The makeup of the project team is as follows:

- Andrew Feltham - SCRUM Master and developer. He is responsible for the project management and running the regular scrum meetings in addition to performing development and design.
- Russell Morgan - Project Owner and developer. Russell is responsible for ensuring that the project delivers the project as outlined by the client. He is responsible for creating the user stories, backlog in addition to developing the product.
- Matt Blanke, Trevor Gallicano, Mandy Lazar are developers and are responsible for the major development of the project.

Additionally Mandy Lazar is the designer and artist for the project and will provide visual designs and prototypes for the mobile application.

Project tasks will be approached by creating the requirement with a user store, designing the solution, implementing the user store and testing the result.

Documentation will be continually updated as the projects continues following the Agile approach.

5 Software Process

5.1 Software Development Process

5.1.1 Life Cycle Model

The software development process for the Paprika Finance will use the Agile development process model for software development.

5.2 Software Engineering Activities

5.2.1 Handling of Critical Requirements

Please refer to the Team Paprika Software Requirements Management Plan for information regarding the elicitation and management of customer requirements.

5.2.2 Recording Rationale

All initial design and implementation decisions will be recorded and posted in the Paprika Finance portal project workspace.

5.2.3 Reusable Software

It is the responsibility of each developer to identify reusable code during the development process.

5.2.4 Software Testing

This project will use existing templates for software test plans and software unit testing when planning for testing. These separate documents will be hosted in the same location as this document.

6 Schedule

The development of the Paprika Finance shall consist of four agile sprints.

6.1 Sprint 1

Sprint 1 will consist of planning, initial documentation and initial project setup. This sprint will run from February 9-16, 2018. The deliverables of this project will consist of:

- The initial drafts of the project documentation
- The initial app framework source code
- Prototype designs
- User Stories

6.2 Sprint 2

Sprint 2 will take place from February 22- March 8, 2018. This sprint will consist of the implementation of user stories resulting in a working demo deliverable by the end of the sprint.

6.3 Sprint 3

Sprint 3 will take place from March 9 - March 23, 2018. This sprint will complete the implementation of the project resulting in a demo.

6.4 Sprint 4

Sprint 4 will take place from March 23 - April 1st. This sprint will consist of bug fixes from the demo as well as refactoring.

7 Appendix A Software Quality Assurance

The Software Quality Assurance Plan for the Paprika Finance application will consist of regular code review at the end of every sprint and an acceptance test document that is located in the same location as this document.

Each developer will be responsible for creating acceptance and unit tests for their respective user stories. The tests must all pass before new features will be accepted.

8 Appendix B Software Configuration Management

Refer to the Team Paprika Software Configuration Plan for all applicable processes and procedures.

9 Appendix D Software Requirements Specification

Refer to the Team Paprika Software Requirements Specification document.

10 Requirements Traceability Matrix

**Team Paprika
Requirements Traceability Matrix
(RTM)**

Requirement Name	Priority	Risk	SRS Paragraph	Validation Method(s) *	Formal Test Paragraph
Login and Registration	H	H	4.1	A, D,T	
Transaction List and Statistics	H	M	4.2	A,I,D	
Import and Export	M	L	4.3	D,T	
Add a transaction	H	L	4.4	D,T,I	
Categorize a transaction	H	L	4.5	D,T,I	
Set bill reminders	M	L	4.6	D,T,I	

*** Validation Method(s)**

D - Demonstration

T - Test

A - Analysis

I - Inspection

Field Descriptions

- | | |
|---------------------------------|---|
| 1. Requirement Name | A short description of the requirement to be satisfied |
| 2. Priority | High (H), Medium (M), Low (L); to be negotiated with customer and remains fixed throughout software development lifecycle |
| 3. Risk | High (H), Medium (M), Low (L); determined by technical staff and will change throughout software development lifecycle |
| 4. SRS Paragraph | Paragraph number from section 4 of the SRS. |
| 5. Validation Method(s) | Method to be used to validate that the requirement has been satisfied. |
| 6. Formal Test Paragraph | This column will provide a linkage between the SRS and the software Test Plan. This will indicate the test to be executed to satisfy the requirement. (This column will be further defined in later EPG plans.) |