Software Project Management Plan

Finance Titan

Elizabeth Burnside

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Version 0.1

Table of Contents

1. Introduction

Finance Titan is a web-based accounting application. Finance Titan is available on standard devices: computers, tablets, and smart phones. Finance Titan provides basic accounting function which include but are not limited to:

* The management of accounts with unique identities and entries.
* The ability to journalize transactions.
* The ability to post transactions to accounts.
* The ability to create trial balances
* Creation of income statements, balance sheets, and cash flow statements.
  1. Project Overview

The objective of the Finance Titan project is to create web-based accounting tool that is accessible from any location. The primary functions of Finance Titan is the management of a chart of accounts. Using Finance Titan, a system administrator can manage a group of accountants, with the supervision of a manger, can post journal entries and trial balances to accounts. Finance Titan includes ledger of accounts and event logs for long term account management.

Finance Titan is a free to use application. Finance Titan is created with PHP and JavaScript. Finance Titan’s website is hosted using a free hosting service. This project is being completed with free resources and as such there is no allotted budget for the project. Finance Titan is an academic endeavor is not made in an effort to attain profit like another accounting software.

* 1. Project Deliverables

All deliverables will be submitted upon completion to Dr. Jerry Mamo for review.

**Deliverable 1**

*September 21st*

Completion of Deliverable 1 will see the establishment of the graphical user interface (GUI), creation of the administrator, manager, and accountant classes. Primary functionality will be the log in process and creation of user accounts.

**Deliverable 2**

*October 5th*

Completion of Deliverable 2 will include the expansion of administrator functionality to add, view, and create accounts. Account tables will be added to the database. Accounts belong to a chart of accounts. Screens for individual accounts, ledger of accounts, and event log will be added to the GUI.

**Deliverable 3**

*October 19th*

Deliverable 3 will introduce creation of journal entries. The process for manager to approve journal entries will be implemented. Additional functionality will be introduced to the ledger page.

**Deliverable 4**

*November 2nd*

Completion of Deliverable 4 will include additional functionality: adjusting journal entries and searching journal entries. Mangers shall approve or reject adjustment to journal entries and can view all adjustment submissions.

**Deliverable 5**

*November 16th*

Deliverable 5 will add financial ration functionality for all users.

* 1. Plan Evolution

Tasks for the sprint will be enumerated in Trello. Upon completion, tasks will be marked completed. The overall completion percentage for the sprint will be tracked and discussed at meetings. Voice call meetings will occur 8:15PM EST on Wednesdays. Tasks will be delegated at the first meeting of every sprint. Subsequential meeting in a sprint will be to evaluate progress and reallocate resources to complete remaining tasks. The project schedule will be updated to reflect changes.

* 1. Reference Materials
  2. Definitions and Acronyms

SRS: Software Requirements Specification

SDD: Software Design Document

1. Project Organization
   1. Process Model

The Finance Titan project will follow agile development methodology. The organization, the students involved in the project, consists of six people in total. Primary communication will be informal and occur over instant messaging service Discord.

Figure 1: Process Model

The functionality of the project is divided into 5 sprints. For each sprint, the requirements will be analyzed, resulting in a new version of the SRS. The SRS will be analyzed in the development phase to form a new version of the SDD. Development and Integration will satisfy the requirements of the sprint outlined in the SRS per the specifications outlined in the SDD. When the system has passed testing, the sprint will be considered finished.

* 1. Organizational Structure

Table 1: Organizational Structure

|  |  |
| --- | --- |
| **Member Name** | **Position** |
| Kayla Hanks | UX, Front-end Developer |
| Elizabeth Burnside | Technical Lead, Documentation Specialist |
| Sarf Surani | Documentation Specialist |
| Jimmy Andersen | Database Developer |
| Sammy Wilson | Front-end Developer |
| Yesse Queszada | Back-end Developer |

* 1. Organizational Interfaces

Table 2: Organizational Interfaces

|  |  |  |
| --- | --- | --- |
| **Organization** | **Liaison** | **Contact Information** |
| Dr. Jerry Mamo  Kennesaw State University | Elizabeth Burnside | emamo@kennesaw.edu |

1. Managerial Process

The Finance Titan project is a collaborative project. There is not a project leader. Kayla Hanks has been designated as authoritative consultant for the development of the system. Decisions regarding the development of the project are decided as a group. All group members are subject to peer review.

* 1. Management Objectives and Priorities

Table 2: Flexibility Matrix

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Dimension** | **Fixed** | **Constrained** | **Flexible** |
| Cost |  | X |  |
| Schedule |  | X |  |
| Scope | X |  |  |

The project’s priority to meet the requirements to the full extent. The schedule outlined in the Project Proposal will be adjusted before the scope of the project is decreased. The budget as previously stated was estimated at 0 USD by using free resources. Maintaining the budget is the lowest priority to the project.

* 1. Assumptions, Dependencies, and Constraints

In the planning of this project the following assumptions were drawn:

We assume that the original schedule will be maintained without delays.

We assume that infinityfree.net will be able to support PHP and JavaScript through the full scope of the project.

We assume that members have a sufficient understanding of the project’s business requirements.

We assume that members will be able to dedicate 10-20 hours a week to the project.

Factors that could constrain the project or delineate the schedule are listed:

If the web hosting service need to be changed, reestablishing the site will consume time. If the web hosting service requires payment for use, the budget will be disrupted. However, the budget is the most flexible constraint for this project.

A change in the personal schedule of one or more members will decrease the productivity of the group. All members are students with other classes and work obligations. These outside responsibilities may be subject to fluctuation.

* 1. Risk Management

The most probable risk is delineation from the schedule. Trello will serve as the primary tracking method for the progression of the project. Actual progress compared to projected progress

Complexity risks

* 1. Monitoring and Controlling Mechanisms