Software Development Plan (Small Project)

Version 1.0

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Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
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Software Development Plan

# 

# Introduction

[The introduction of the **Software Development Plan** provides an overview of the entire document.]

# Project Overview

## Project Purpose, Scope, and Objectives

[A brief description of the purpose and objectives of this project and a brief description of what deliverables the project is expected to deliver.]

## Assumptions and Constraints

[A list of assumptions that this plan is based and any constraints, for example. budget, staff, schedule, that apply to the project.

Example:

* Project has a fixed schedule of 12 weeks
* Zero-budget project
* Project has 5 people, there will be no more people added during the project]

## Project Deliverables

[A list of the artifacts to be created during the project, including target delivery dates. The text below is provided as an example.]

# Project Organization

## Organizational Structure

## Roles and Responsibilities

[Identify the project organizational units that will be responsible for each of the disciplines, workflow details, and supporting processes. The text below is provided as an example.

Refer to the lecture note “Week 2 – Project Assignments” for predefined roles and responsibilities.

]

|  |  |
| --- | --- |
| **Person** | **Role** |
| Susan Snow, Business Analyst  Henry Halfpipe, Tester  TBD1, Developer  TBD2, Team leader |  |

# Management Process

## Project Estimates

[Provide the estimated cost and schedule for the project, as well as the basis for those estimates, and the points and circumstances in the project when re-estimation will occur.]

## Project Plan

### Phase and Iteration Plan

This project is going to be conducted using the The Rational Unified Process Model. In this model, multiple iterations occur in the same time. The table below shows the estimated timeline for this project.

|  |  |  |  |
| --- | --- | --- | --- |
| Phase | No of Iterations | Begin | End |
| Inception Phase | 2 | Week 1 | Week 2 |
| Eleboration Phase | 3 | Week 3 | Week 5 |
| Construction Phase | 3 | Week 6 | Week 8 |
| Transition Phase | 2 | Week 9 | Week 10 |

Table 4.2.1a Timeline for each phase of the process

|  |  |  |
| --- | --- | --- |
| Phase | Description | Milestone |
| Inception Phase | Decide the Goal of this Project. |  |
| Eleboration Phase |  |  |
| Construction Phase |  |  |
| Transition Phase |  |  |

[Specify how many phases of the project. Each phase should include starting date, ending date, phase name, and overall objectives.

Refer to the lecture note “Week 2 – Project Assignments”, slides #9 and #10 for the intial plan.

List iterations and the objectives to be accomplished for each of the iterations.]

It is OK to include:

 Work Breakdown Structure (WBS)

 a timeline or Gantt chart showing the allocation of time to the project phases and iterations

 identify major milestones with their achievement criteria

Define any important release points and demos.

### Releases

[A brief description of each software release and whether it’s demo, beta, and so on.]

### Project Schedule

[Diagrams or tables showing target dates for completion of iterations and phases, release points, demos, and other milestones.

MS project schedule can be copied here]

## Project Monitoring and Control

### Reporting

[Provide approaches to reporting project status. Approaches may include

* Weekly meeting
* Weekly status report
* Informal chats]

### Risk Management

[Identify risks in your project. The risks should be prioritized, and shorted according to their priority.]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Risk ID | Risk Description | Probability | Impact | Priority | Mitigation Strategy or Contingency Plan |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

### Configuration Management

[Determine tools to be used for storage and sharing source code and files. Tools can be used, such as:

* Google drive or Dropbox, etc. for storing and sharing documents and files.
* Git, Bitbucket, etc. for managing source code and related files

]