Software Project Management Plan (SPMP) for Halma in Java Project

*Baseline version 0.1*

*Issued on :Octobert 31, 2014*

Issued by : Kelvin, Inc.

Issued for : Java Client

**Signature**

The following signature indicates approval of the enclosed Software Project Management Plan.

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AnotherBlabla Client Executive Committee representative

**Change History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Changes** |
| 0.1 | October 31, 2014 | Kelvin | initial version |
|  |  |  |  |

**Preface**

This document delivers the proposed plan to be taken by Kelvin, Inc. to meet the needs of software for Java Client. In order to do so, it will deal only with the delivery of the software components in regards to the related project, which have dependencies on the hardware and network portions of the product, which Java Client has been notified beforehand.

This document is created purposely for AnotherJava Client executive committee. Prior to the acceptance from AnotherJava Client executive committee, this document will be used by AnotherJava Client’s project manager as well, and by project members and participants as a guidance to keep things accordingly.

***Important Notes for Soft-copy Viewing***

If you are viewing the softcopy version of this document, it will have been provided in

Adobe Acrobat PDF format, which allows collection of output from multiple sources into a

common format, presented in the way the source application intended.

It is highly recommended that the document be viewed with a suitable application from

the Adobe Acrobat family, version 6.0 or higher as intermittent visual glitches have presented

themselves when testing the document on Adobe Acrobat Reader 5.0.

In the annexes, some pages have much larger than normal paper sizes which may appear

to be very small and illegible in the Acrobat program. There is sufficient resolution stored in the

document for these pages to be enlarged using Acrobat’s zoom controls. Using the zoom

controls, the content will be legible. As an example of why this was done, the network diagram

was reduced from 180 pages in 8.5” x 11” paper size, to 9 pages in this document, resulting in a

much more easily comprehended diagram.

Acrobat’s page numbering feature has been used so that the document is easily navigable.

The PDF page number corresponds to the document page number, inclusive of pages numbered

with roman numerals

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**Chapter 1**

**INRODUCTION**

* 1. **Project Overview**

This project consist of a game named halma game that can played with human or computer and it can show the high score of the game.

* + 1. **Purpose, Scope, and Objectives**

The purpose of this project is to analyze the requirements of, design, implement, and maintain the software for AnotherJava Client, which is designated specifically to help in monitoring Halma according to the requirements specified by the client.

Any activity directly relates to the purpose is considered to be in scope, otherwise it is considered to be out of scope. For instance, hardware failure is out of scope of this project.

The objectives of the project are mentioned as follows :

* Complete the project by the due date
* Complete the project within the budget
* Provide all deliverables identified in section 1.1.3 by the due date
* Meet all the requirements that are mentioned in the SRS
  + 1. **Assumptions and Constraints**

Here is the list of all assumptions that are made :

* This project is a component of a larger project
* This project will deliver only the software components of the larger project
* The hardware is not included in this project, and is handled as a different project. Hardware is assumed to be ready at least by the end of this project.

Here is the list of all constraints that are made :

* Budget
  + Rp 1.000.000,000
* Time
  + 8 months
  + After the software is installed on the hardware, it will take 30 days for AnotherJava Client to install the physical hardware in the permanent location
  + After the physical hardware is permanently installed, AnotherBlabla Client will have 60 days of free maintenance.
* Staff
  + A representative from AnotherJava Client will be required to assist in the requirements making. This representative will have the full authority in creating the final requirements, which will be evaluated and agreed by Blabla .Inc.
  1. **Project Deliverables**

Here is the list of all items that will be available by the completion of the project.

* Software program, along with its environment and supporting libraries.
* Software documentation
  + Installation documentation
  + End-user documentation
* Installation of software program along with its environment and supporting libraries.
* Software training for users
* Project documentation
  + Software Project Management Plan (SPMP)
  + Software Requirement Specification (SRS)
  + Software Design Description (SDD)
  + Software Test Documentation (STD)
  + Software Test Plan (STP)
  + Software Quality Assurance Plan (SQAP)
  + Software Configuration Management Plan (SCMP)

**Chapter 2**

**PROJECT ORGANIZATION**

1. **Software Process Model**

This project will undergo the incremental development software process. The earlier availability of system functionality, lower risk of project failure, and maximum testing on high priority system services are among the considerations for the selection of this software process.

**2.2.External Intefaces**

**

Project Manager

Kelvin Kurnia

1. **Internal Structure**

**

Edward Cullen

Albert Rahardjo

Kelvin Kurnia

1. **Roles and Responsibilities**

*In general, this part gives information about who will be responsible in doing tasks or deliverables that are needed. As a suggestion, you can use Responsibility Assignment Matrix (RAM). Definition about RAM can be found online or on literature. Following is an example of how RAM looks like. As a side note, you are required to have at least 25 WBS (main WBS), therefore you should at least have 25 ID’s in this table. Every individual that is mentioned in your internal structure (2.3.) must be included in this table as well.*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | WBS | Deliverables | CEO | Project Manager | Requirement Analyst 1 (Lead) | Requirement Analyst 2 | Programmer 1 (Lead) | … |
|  | 1 | Halma Project |  |  |  |  |  |  |
|  | 1.1 | Software Lifecycle Model Process |  |  |  |  |  |  |
| 1 | 1.1.1 | Select project model |  | L |  |  |  | … |
| … | … | … | … | … | … | … | … | … |
|  | 1.2.4 | Plan Project Management |  |  |  |  |  |  |
| 13 | 1.2.4.1 | Create baseline WBS |  | L | C |  | C | … |
| … | … | … | … | … | … | … | … | … |
|  | **Key** |  |  |  |  |  |  |  |
|  | A | Approval | 21 | 10 | … | … | … | … |
|  | L | Lead | 4 | 2 | … | … | … | … |
|  | S | Secondary | 0 | 4 | … | … | … | … |
|  | C | Contributor | 0 | … | … | … | … | … |
|  | R | Reviewer | 2 | … | … | … | … | … |

1. **Tools and Techniques**

*Java*

*Netbeans*

*Eclipse*

**Chapter 3**

**PROJECT MANAGEMENT PLAN**

1. **Work Activities**

*In this part, you are required to list all your WBS. Remember, you need to have at least 25 main items, which means your ID here can go (or even, should) more than 25. Following is an example of how your WBS list should look like.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **WBS** | **Task Name** | **Duration** | **Predecessors** | **Successors** |
| 1 | 1 | Halma Project | 250 days |  |  |
| 2 | 1.1 | Software Lifecycle Model Process | 2 days |  |  |
| 3 | 1.1.1 | Select project model | 1 day | 2 |  |
| … | … | … | … | … | … |
| … | … | … | … | … | … |
| 200 | 1.15 | Maintenance | 1 day | 180 | 201 |
| 201 | 1.15.1 | Reapply a software lifecycle | 5 days | 198 |  |

1. **Activity Network**

*Using dependencies that you have from Work Activities above, you are required to make an activity network here. Example of how activity network looks like can be found at TM.*