Software Project Management Plan (SPMP) for Encrypted Chat Software

Project

*Baseline version 0.1*

*Issued on : August 10, 2015*

Issued by : Blabla, Inc.

Issued for : AnotherBlabla Client

**Signature**

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

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Client Executive Committee representative

**Change History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Changes** |
| 1.0 | August 10, 2015 | Ruben | initial version |
|  |  |  |  |

**Preface**

*Use this part to generally describe the purpose of this document. You don’t have to mention all details about your project, only the general ideas that you consider as important. You also may need to mention which parties are in interest of using this document and why. Following is an example, and you don’t have to completely stick out to this guide. In fact, doing such thing will be considered as cheating which violates the rules that we have discussed at day 1.*

This document delivers the proposed plan to be taken by Blabla, Inc. to meet the needs of software for AnotherBlabla 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 AnotherBlabla Client has been notified beforehand.

This document is created purposely for AnotherBlabla Client executive committee. Prior to the acceptance from AnotherBlabla Client executive committee, this document will be used by AnotherBlabla 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***

*At this part, you can mention any information for soft-copy readers. This information can include this document’s file type and its reader software (PDF is recommended). You can also mention special features that you have included for the soft-copy readers.*

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**CHAPTER 1**

# INRODUCTION

## Project Overview

### Purpose, Scope, and Objectives

The purpose of this project is able sending messages to other client. All of the messages are being encrypted to secure the content of the message. We analyze the requirements of our customer, design, implement, and maintain the software for our Client, which is designated specifically to help in monitoring client according to the requirements specified by the client. We will provide the best solution for our customers.

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 July 27, 2015(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, which fall into one of these categories
  + Central server and database
  + Network router
  + Desktop application
  + Backend

### 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
  + $100,000
* Time
  + 8 months
  + After the software is installed on the hardware, it will take 3 days for Client to install the physical hardware in the permanent location
  + After the physical hardware is permanently installed, Client will have 60 days of free maintenance. After that, maintenance fee will not exceed $500 per year.
* Staff
  + A representative from our 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 customer

### 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**

# 2. PROJECT ORGANIZATION

## Software Process Model

Agile development model is a type of Incremental model. Software is developed in incremental, rapid cycles. This results in small incremental releases with each release building on previous functionality. Each release is thoroughly tested to ensure software quality is maintained. There might be some disadvantages when we choose this model. In case of some software deliverables, it is difficult to assess the effort required at the beginning of the software development life cycle. There is lack of emphasis on necessary designing and documentation. The project can easily get taken off track if the customer representative is not clear what final outcome that they want.

## External Intefaces

\*\*Not Available \*\*

## Internal Structure

Devi -

Ruben -

## 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 | Blabla 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 | … | … | … | … | … |

## Tools and Techniques

Visual Paradigm - Generate all diagrams.

Notepad ++ - Code all java language

Command Prompt - run the software

Java Runtime Environment

AES technique Encryption

**Chapter 3**

# PROJECT MANAGEMENT PLAN

## Work Activities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **WBS** | **Task Name** | **Duration** | **Predecessors** | **Successors** |
| 1 | 1 | Discussion | 2 days |  |  |
| 2 | 1.1 | Software Lifecycle Model Process | 2 days |  |  |
| 3 | 1.1.1 | Developing | 10 day |  |  |
| 4 | 1.15 | Maintenance | 1 day |  |  |
| 5 | 1.15.1 | Reapply a software lifecycle | 4 days |  |  |

## Activity Network