Software Project Management Plan

Individual Project for Software Engineering Class

( COSC412-102)

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Version 1.0

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Revision History

**Document History**

**Version                               Date                                    Reason for Change**

0-0-1                                   02-28-2021                         Creating first version of SPMP

0-0-2 03-31-2021 Updating the title page

Preface

The following Software Project Management Plan (SPMP) describes the proposed plan to be taken by Dagm Kebede to complete the design and implementation of a working demo of the lyrics finding website according to the requirements specified by the client.

The SPMP is intended to be used by Ethiopian Evangelical Church worship team members for the purpose of evaluating the response and ideas to the proposed project requirements.

**1-Introduction**

It is really hard to get a website that provides Amharic song lyrics and other music-related pieces

of information. This is common here in the USA, and that's due to multiple webs

and apps that allow users to share those types of information. However, most of these websites do

not include Ethiopian songs and being an Ethiopian and also a musician who is more attracted to

Ethiopian songs, I would love to do my part in addressing this issue.

**Executive Summary:**

This project is to build a platform that provides users with song lyrics and other music-related pieces of information such as chords, key signatures, and tempo of a song. As a musician, it is beneficial to know the original chords, lyrics, and key signatures of a song, and as a singer, it reduces the time that could be

wasted on writing and printing lyrics while practicing the song. Therefore, Having those

information minimizes the hassle of getting the mentioned musical elements by yourself, and it

also improves the musician's performance as a whole. Therefore, the goal of the website is to

address the inaccessibility of Amharic song lyrics and other music-related content on the internet.

1. **Project overview**

The project will be focusing on building a platform that can serve both streaming and allows users to get song lyrics together with their musical signatures. The forum will also enable users to send their songs and lyrics to be posted on the website.

The website's features will:

1. Allow users to save a list of their favorite songs.
2. Allow users to Contribute a lyric.
3. Allow users to create a profile and be able to post audio, image, and text files.
4. Allow users to send a friend request with each other and be able to have a private chat.
5. Allow users to create a group and be able to have a group chat
6. Allow users to comment on each other’s post.
7. Allow users to request for a song lyric if it is not available on the website.
8. Project Deliverables

1. Preliminary Project Plan                                                                                      02.05.2021

2. Requirements Specification                                                                    03.10.2021

3. SPMP 03.31.2021

4. Initial Prototype 04.07.2021

5. Database Creation and Implementation 04.14.2021

6. Account Creation 04.21.2021

7. Messaging System 04.21.2021

9. Search Features 04.21.2021

 3. Analysis [Object model, Dynamic model, and User interface]                 04.22.2021

4. Architecture Specification                                                                      04.22.2021

7. Test Plan                                                                                                   04.23.2021

8. Final Product w/ Demo                                                               04.26.2021

**III**. **Evolution of the SPMP**

      This document will be updated as the project progresses. Updates should be expected in the following sections:

**I.** ***References*** - updated as necessary

**II.** ***Definitions, acronyms, and abbreviations*** - updated as necessary

**III.** ***Organizational Structure*** will be updated as the team leaders are assigned for each phase.

***IV.*** ***Technical Process -*** This section will be reviewed appropriately as design requirements and decisions become clearer.

1. **References:**

* <https://wikimezmur.org/am/Home>
* <https://www.onlinemezmur.com/our_services.php>
* [Mezmur lyrics on Musixmatch](https://www.musixmatch.com/artist/Mezmur)

**2-Project organization**

I. **Process Model**:

The project will be using a management model called APM

(Adaptive project management). It is a structured and systematic process that allows you to gradually improve your decisions and practices, by learning from outcomes of the decisions that you took at previous stages in the project. Therefore, it is possible that we edit our requirements as we progress through the project.

**II. Organizational Structure:**

**Graphical user interface, table

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III. **Organizational boundaries and interfaces:**

Relations with other entities include meetings in order to check up and get feedback on desired changes.  These “check-up meetings” will allow the client and team the ability to communicate any changes or updates that arise.

IV. Project Responsibilities:

For the most vital responsibilities, please refer to segment 2.2. Ultimately the whole complete development of the project should be done responsibly for the successful delivery of the product.

Preliminary Project Plan-

Requirements Specification-

SPMP-

Initial Prototype-

Database Creation and Implementation-

Account Creation-

Messaging System-

Search Features-

Analysis [Object model, Dynamic model, and User interface]-

Architecture Specification-

Test Plan-

Final Product w/ Demo-

**3-Managerial process**

1. **objectives and priorities**

* Keeping up with internal deadlines to ensure the project is completed by the client’s deadline.
* Organize meetings with the client in order to keep the client informed of the progression of the project as well as receive feedback.
* Create and update project documentation of requirements, planning, tools, risks, cost analysis, and any anticipated or unanticipated changes.
* Upon deployment, testing the site continually to maintain top performance and functionality.

1. **Assumptions, dependencies, and constraint**

In this project plan, a number of factors are taken into account:

* Complexity of the project
* Client acceptance
* Lossing the website Database.
* Project Size
* Cross-platform compatibility
* Consumer's Underestimation of the time/resource commitment
* Choice of Technology
* Scope creep
* Time to learn
* Scalability

NOTE: By assigning a priority to every user requirement, a selection can be made of user requirements that may be dropped out if time runs out.

1. **Risk management**

**Monitoring and controlling mechanisms**

The monitoring of progress is done by using the following means:

i. Weekly project status assessment

ii. regular meeting with the client

ii. Shared document repository (Version Control)

iii, Continuous Testing

iii. Project tracking by MS project plan

iv. Tracking utilizing baselines in MS project

**4-Technical process**

1. **Methods, tools, and techniques:**

The project will be implemented utilizing the tools such as WordPress, Elementor plugin, profile grid plug-in, Microsoft Project, HostGator and MAMP PRO.

1. **Project Support Functions**
   1. Ensure the agreed project management methods, standards and processes are maintained throughout the project lifecycle.
   2. Develop and maintain the project library, filing, recording, and reporting systems.
   3. Develop and implement appropriate configuration management procedures.
   4. Co-ordinate the production of all reports and produce project summary reports.
   5. Set up and maintain systems for recording project costs.

**5. Description of Work Packages**

I. Work Breakdown Structure (WBS)

Diagram

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