Software Project Management Plan

Project: Individual Project for Software Engineering Class( COSC412-102)

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Version 1.0

Dagm Kebede

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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 create a profile.

2. Allow users to store their website's favorite lyrics.

3. Allows users to listen to songs while reading lyrics

4. Allow users to insert lyrics and other musical pieces.

5. Allow users to select a specific song.

6. Keep a history of the last ten viewed songs (for ten days).

7. User notification when a new song is uploaded

1. **Project deliverables**

1. Preliminary Project Plan 02.05.2021

2. Requirements Specification 03.31.2021

3. Analysis [Object model, Dynamic model, and User interface] 04.10.2021

4. Architecture Specification 04.15.2021

7. Test Plan 04.25.2021 - 04.28.2021

8. Final Product w/ Demo 05.13.2021 - 05.13.2021

**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://wikimezmur.org/am/Home)

[**https://www.onlinemezmur.com/our\_services.php**](https://www.onlinemezmur.com/our_services.php)

[**Mezmur lyrics on Musixmatch**](https://www.musixmatch.com/artist/Mezmur)

**2-Project organization**

**2.1, Project phases:**

1. Project Plan –
2. Requirements Specification –
3. Analysis –
4. Architecture Spec –
5. Component/Object Specification –
6. Source Code –
7. Test Plan –
8. Final Deliverable –

**2.2 Organizational Structure:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Days** | **Deliverable** | **Team Leader** | **Deliverable Description** |
| **3** | **02/28/2021** | **Dagm Kebede** | **Project Plan** |
| **3** | **02/28/2021** | **Dagm Kebede** | **Requirements Specification** |
| **6** | **03/12/2021** | **Dagm Kebede** | **Analysis** |
| **?** | **?** | **TBD** | **Architecture Spec** |
| **4** | **03/20/2021** | **Dagm Kebede** | **Component/Object Specification** |
| **?** | **?** | **TBD** | **Source Code** |
| **?** | **?** | **TBD** | **Test Plan** |
| **?** | **?** | **TBD** | **Final Deliverable** |

**3-Managerial process**

1. **objectives and priorities**

The objective is to deliver the product in time and of high quality. To do so, I will verify that progress is being made as planned and monitor the quality of the product at various stages.

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

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

* Cost of getting a host and domain
* Cost of getting the appropriate templet
* The time it takes me to refresh my knowledge on HTML,JS &CSS
* Exams and mid-term preparation for other classes can affect the date the website is delivered.
* The client evaluation deadline April 26
* The project deadline of May 5th
* The final presentation of May 6th

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**

This section mentions any potential risks for the project.

* + 1. Technology risk
    2. Financial risk
    3. Structure/process risk

**IV.** **Monitoring and controlling mechanisms**

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

i. Weekly project status assessment

ii. Shared document repository

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, 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.