Software Project Management Plan

Project: Hairstylist Website

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Version 1.0

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Revision history

**Document History**

**Version Date Reason for Change**

0.0.1 03-31-2021 Creating first version of SPMP.

Preface

The following Software Project Management Plan (SPMP) describes the proposed plan to complete the design implementation of a working demo for a hairstylist website according to the requirement by the client.

As such, the scope of this project entails all design and implementation by me to get a functioning demo running by May 2021.

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1. **Introduction**
   1. **Project Overview.**

Executive Summary:

The purpose of this project is to create a website for a hairstylist customer that will help view different types of hairstyles and book an appointment to get their hair done. This website will be focus mainly on women but also involve men as few men like to get their done also. The main concept of this website is to enable easy booking of appointment for customers rather than calling, then forget they have an appointment.

* 1. **Project Deliverables**

Project Plan 02.05.2021

Requirements [Design and Tools Selection] 03.31.2021

Implementation 04.10.2021

Test Plan 04.25.2021

Final Product 05.13.2021

* 1. **Evolutions of the SPMP**

This document will be updates as the project progresses.

* 1. **Reference Materials**

"IEEE Guide to Software Configuration Management," in ANSI/IEEE Std 1042-1987, vol., no., pp.1-93, 12 Sept. 1988, doi: 10.1109/IEEESTD.1988.94582.

* 1. **Definitions and Acronyms**

SPMP: Software Project Management Plan

TBD: to be determined or decided.

WBS: Work Breakdown Structure

1. **Project Organization**
   1. **Process Model**: This project process will focus on the elicitation of requirements. After a well-defined requirement, the process will involve a cycle of design, implement and test. This process will ensure that all functionalities are implemented correctly and tested.
   2. **Organizational Structures**: All responsibilities will be taken on by the project manager and timeline is same as [1.2].
   3. **Organization Interfaces**: Project manager responsible for all phases
   4. **Project Responsibilities**: All responsibilities will be taken on by the project manager.
2. **Managerial Process** 
   1. **Management Objectives and Priorities:** My vision for this project is to be able to deliver ease of use website, for the client’s customer to be able to navigate through the website and book appointments with ease. Plan is work on this weekly Wednesdays (12pm – 4pm), Fridays (5pm – 9m) and once on Saturdays (3pm – 6:30pm). Wednesday will be focused on planning and Strategy for that week, Fridays and Saturday will be putting the website together.
   2. **Assumptions, Dependencies and Constraints:**

* this project is web based.
* Time constraints will be the length of the semester.
* Client is aware of time constraints and client is available to collaborate in case of requirements.
  1. **Risk Management:** Some risks are common to every project and are sometimes predictable to unexpected. Risks for this project:
* Change of Project Scope: sometimes the scope of the project might change, which can derail timeline already set. Probability is high, impact is also high. If changes come to play, some deadlines will need to be done earlier, so the new changes can be honored.
* Missed Deadlines: As a student, I will face a lot of external responsibilities from other classes or family affairs that could affect me from completing tasks in time. Probability is medium, Impact is high. Prevention: during my Wednesday planning, I will be expected to anticipate any other class project that might collide with my project in other to fix a new timeline and adjust my schedule to avoid missing a deadline
* Mismanagement: As a student who is just learning about project management, mistakes can be made, Probability is high, Impact is also high. Prevention: I am expected to attend class sessions so as not to miss information given regarding management.
* Size of the Project: Sometimes you can begin a project and suddenly it becomes to large. Probability is medium, Impact is high. Prevention: if suddenly project becomes large, I will need to increase the time planned to work on the projects or add more days according to my availability.
  1. **Monitoring and Controlling Mechanism**: Report will be made every Wednesday before planning for the weeks work begin. It will be made in a document file, with each date of the report being made, describing each week’s work.

1. **Technical process**
   1. **Methods, Tools and Techniques**: I will be use word documents and diagrams (standard UML diagrams) to represent data, requirement, and relationships. I will also be using WordPress to build the website, use Hostgator to create a domain name and security, use other tools like PushBots, Raygun, Monogdb and other tools TBD as project goes on.
   2. **Software documentation**: there will be a first draft which will outline major sections and subsections. Second draft will be based on any questions from the first draft which as been addressed by the professor/client. Third draft will be sent to the professor for feedback and revisions. Final copy will be after all revisions have been made, changes made.
   3. **Project Support Functions**: [IEEE Std 1042]
2. **Description of Work Packages**
   1. **Work Breakdown Structure (WBS):**

Diagram, schematic

Description automatically generated

Fig 1.1