

Visiting Angels Personal Website

Software Project Management Plan

Prepared for: Rebecca Broadwater

Prepared by: Turhan Kimbrough

Version: 1.2

Preface

Visiting Angels is a business franchise with over 630 locations nation-wide, providing in-home care to senior citizens (Visiting Angels Territory Map). Services include housekeeping, meal preparation, shopping assistance, medical care, and more (Visiting Angels: About Page). Currently, the Visiting Angels office servicing the Baltimore-Towson area is looking to expand its services to reach more customers.

Serving as a consultant to Kathy, who represents client services for Visiting Angels Baltimore, I am motivated to develop a website to help advertise her services. The website will offer information about services available, contact information, and a simplified interface for requesting services from the Visiting Angels office.

Table of Contents

Introduction.....	3
Project Organization.....	4-5
Managerial Process.....	6-7
Technical Process.....	8
Work Breakdown Structure.....	9

Introduction

Project Description:

The project will take the form of a website which will advertise services offered by Visiting Angels in the Baltimore-Towson area. The website will contain multiple pages including a homepage with popular services, point of contact information, types of care offered, and a page explaining the advantages of using Visiting Angels. The website aims to provide a more personalized experience to potential clients wanting to use services from Visiting Angels.

Project Deliverables:

The development of a website for Kathy which will advertise her role as the point of contact for Visiting Angels in the Baltimore-Towson area.

- Use Cases (9/26 on Blackboard)
- Requirements (9/26 on Blackboard)
- Software Project Management Plan (9/26 on Blackboard)
- Functioning website (11/13 on Blackboard)
- Project presentation (11/24-12/1 on Discord)

Reference Materials:

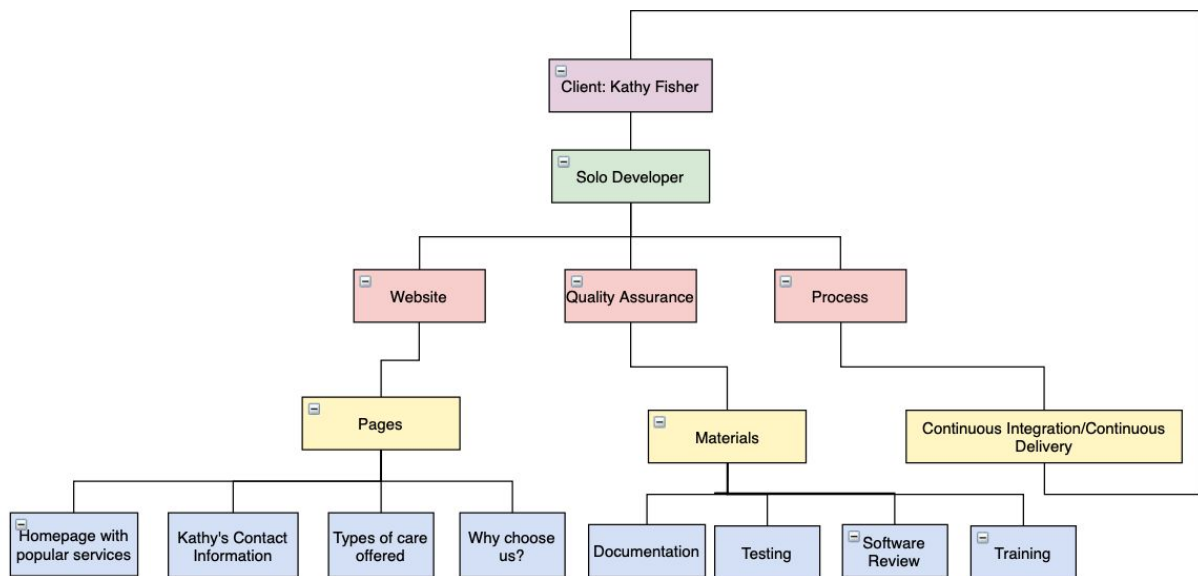
- Visiting Angels: About Page. www.visitingangels.com/about-us. Accessed 5 Sept. 2020.
- Visiting Angels Territory Map. www.livingassistance.com/territory-map. Accessed 5 Sept. 2020.

Project Organization

Process Model:

I will be using the principles found in Agile software development to handle any changing requirements for the project.

Organizational Structure:



Organizational Interfaces:

The website will be powered by a content management system, WordPress. Through the usage of plug-ins, the different components and pages of the site will be constructed. The website will be placed on a hosting platform (www.namecheap.com). Once a domain name is purchased, users will just need the site's address to access it.

Project Responsibilities:

Team Member	Title	Responsibilities
Turhan Kimbrough	Consultant	Point of contact, writing documentation, website suggestions, technological guide for Kathy
Turhan Kimbrough	Web developer	website design, website hosting, manage plugins, maintain platform

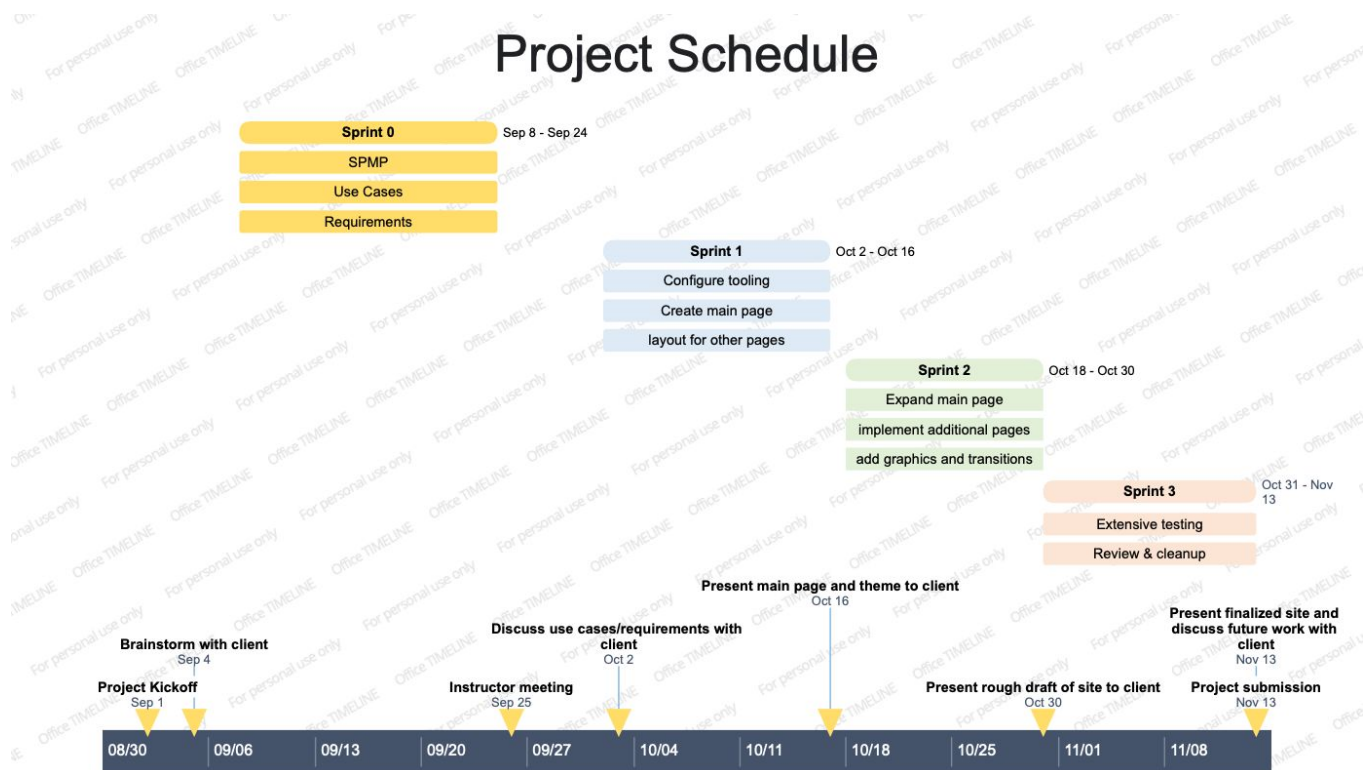
Managerial Process

Objectives:

Principles from Agile software development will be incorporated into the management philosophy as well. I will prioritize continuous integration and delivery to my client Kathy.

- Prioritize getting the initial template and structure of each page.
- Implement information pages such as contact information and descriptions of Visiting Angels services
- Work on the 'Care offered' page
- Write the last page discussing advantages of using Visiting Angels

Tentative Schedule:



Anticipated Budget:

- \$250 upfront costs
- \$10/year for website domain
- \$100+ extra per year for content management/integration

Project Anticipations:

Assumptions:

- Consistent feedback from Kathy
- Timely submission of deliverables
- Smooth software integration

Dependencies:

- Information from Kathy
- Information from Visiting Angels
- Website template

Constraints:

- Less than 15 weeks time for project submission
- Pure virtual collaboration
- Solo project development

Risk Management (problem-solution):

- *Problem:* What if the client doesn't know what she wants?
Solution: Incorporate continuous delivery and constant communication. The client will discover what she doesn't want, to which I can offer suggestions.
- *Problem:* What if I can't get in the main site's domain name system?
Solution: Develop the website in a separate domain for now, and look into incorporating it into the main website for future work.
- *Problem:* What if the website is too expensive?
Solution: Find alternative hosting strategies which can maintain data processing requirements.

I will specifically use tools and/or resources which will facilitate Agile software development. They will allow flexibility in changing requirements and account for any possible risks.

Monitoring Mechanism:

I will be using the version control software available in WordPress. Also, I will provide a reference to Kathy so she can view the website at any given time. GitHub will be used to track code changes along with documentation.

Technical Process

Approach:

Methodology:

The system is anticipated to incorporate a single tier architecture. The user will enter the site via web address, which contains a home page with top-level access to all other pages. All information on the site will be delivered using HTML pages, and use a modification of the design template provided by WordPress. Pages will include descriptions, pictures, and graphics.

Tools:

- www.wordpress.org
- www.namecheap.com
- GitHub
- GitHub Student Developer Pack

Documentation Plan:

Modifications to this project plan will be reflected in the Software Project Management Plan. Any revisions made will result in a version change to this document. Supporting documents will be available in BlackBoard as well.

Project Support Functions:

Quality Assurance:

- Ensure software is up-to-date
- Ensure software bugs are caught early
- Ensure appropriate software testing is in-place
- Ensure quality software tools are used
- Ensure proper communication with client Kathy

Configuration Management Plan:

- Keep old copies of documentation and version each revision
- Maintain separation of stable software from unstable software
- Name major software deployments according to their new feature(s)
- Note any updates made to tools being used

Verification & Validation Plan:

- Ensure testing begins early
- Ensure proper tests are made
- Ensure the passage of tests
- Ensure Kathy is satisfied with any revisions or updates

Work Breakdown Structure

