WORLD RECIPE

SOFTWARE PROJECT MANAGEMENT PLAN

Gurung, Anil

World Recipe App

Revision History

Date	Revision
02/05/2021	Topic proposal submitted
03/19/2021	SPMP created

Preface

Are you tired of eating outside every day? Are you tired of eating same thing every day? Try out our World Recipe app which can help you to make different types of food from different countries and will provide you with recipes and its nutrition's.

World Recipe App

Table of Contents

World Recipe App

Introduction

1.1 Project Overview

The Software Project Management Plan for COSC 412 Individual Project outlines the goals of the project to include deliverables and project schedule.

The world recipe App will deliver a proper recipe of the food around the world that user searches along with steps and nutrition's of the food itself.

1.2 Project Deliverables

Deliverable	Due Date
Topic proposal	02/05/2021
Design Review Mtg	03/31/2021
Tool Selection review	03/31/2021
SPMP	03/31/2021
System Test Plan	04/24/2021
Milestone Review per Schedule	04/24/2021
Final presentation	05/11/2021

1.3 Evolution of the SPMP

I will try to update every new feature. Even now I have very few functionalities, I am trying to imply which are not working the way I intended. I have everything saved on my local GitHub repository. If I end up making more changes or adding new features, I will keep a log changes made for my own benefit.

1.4 References

https://github.com

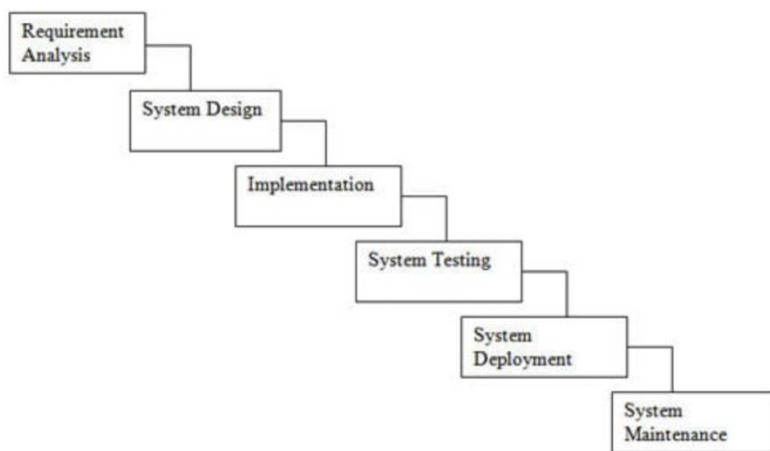https://reactjs.org/

https://www.netlify.com/
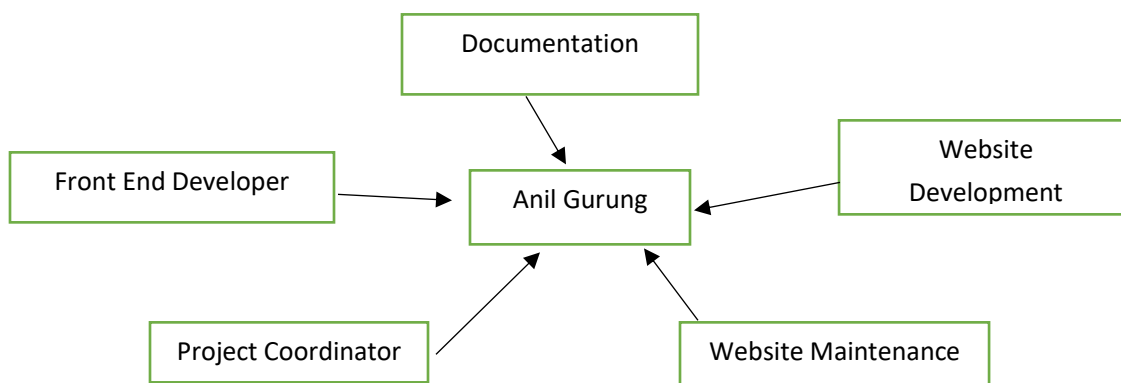
World Recipe App

Project Organization

2.1 Software Process Model

The only way the website can break is when it gets flooded with more requests than it can handle. The waterfall model fits perfectly for this.

2.2 Organizational Structure

2.3 Project Responsibilities

Everything is handled by Anil Gurung.

World Recipe App

Managerial Process

3.1 Management Objective and Priorities(goals)

I am planning on spending 5-8 hours every week on this project. Firstly, I need to learn and get better understanding of all the language and framework that I intended to use for this project.

3.2 Assumptions, Dependencies and Constraints**

Assumptions

1. Features will be integrated as they are developed and approved for production.
2. A functional prototype will be delivered upon project close.

Dependencies

1. The project will be depending on the server selected being available.

Constraints

1. Lack of experience with framework (react).
2. Restricted timeframe for development and delivery of product.

3.3 Monitoring and Controlling Mechanisms

I will be using GitHub to monitor and manage the project.

3.4 Staffing Plan

Anil Gurung is the only person working on this project.

World Recipe App

Technical Process

4.1 Methods, Tools and Techniques

Frontend: React.js

Backend: Node.js

Styling: CSS, Bootstrap

Hosting: Netlify

Version Control: Git

Repo: GitHub

4.2 Software Documentation

The software will be documented as it is developed. The documentation will include enough information to allow a user to understand the system and its functionalities.

4.3 Project Support functions

Quality Assurance

- Weekly review of the website to make sure everything is working.
- Check if the websites work in all platform.
- Make sure to fix bugs before deployment.

Configuration Management Plan

I am using Netlify to handle version change on my website. It is linked to my Git repository and uses atomic deploy to host my website on their server. Netlify lets me control branches from my Git repository that I want to deploy.
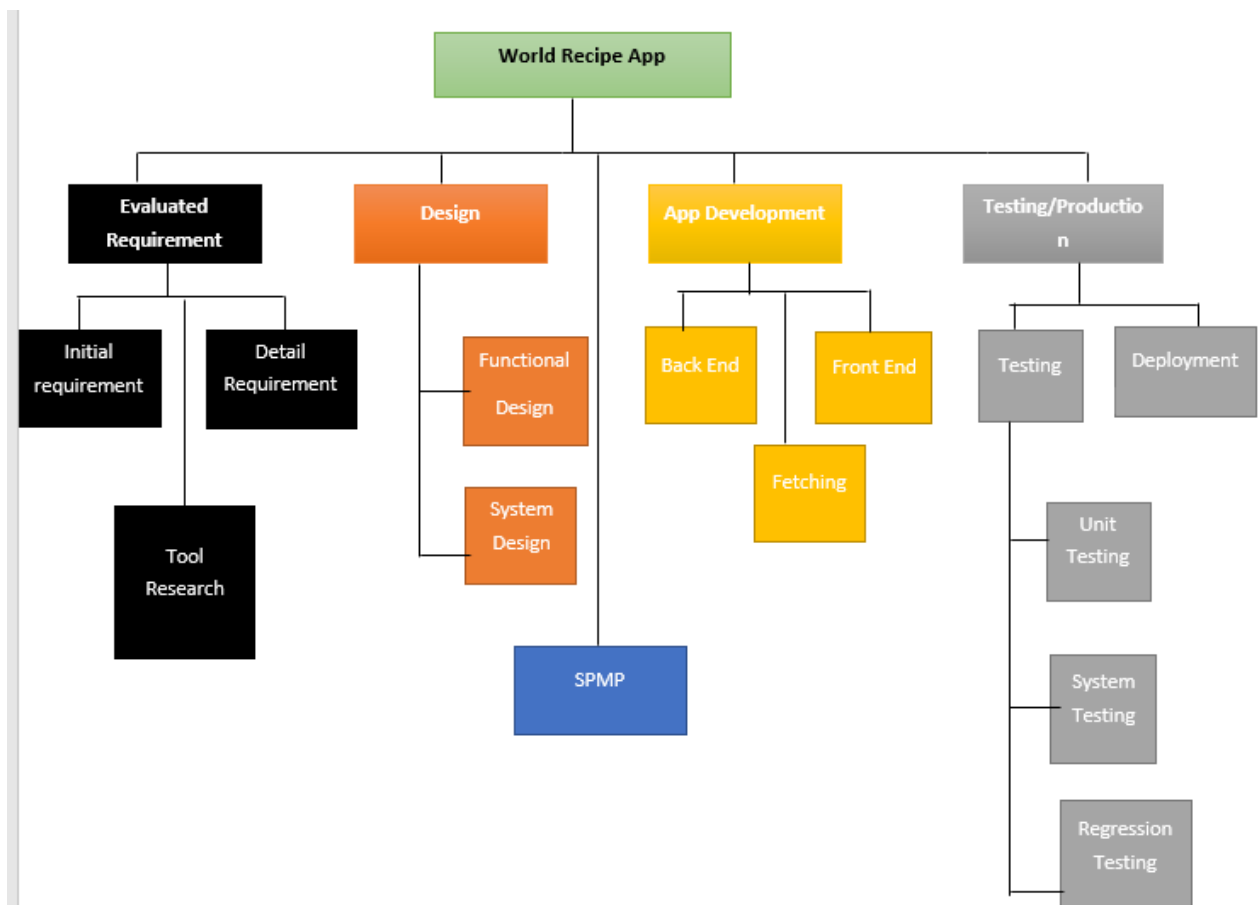
Verification and Validation plan

- Make sure to record all changes made on Revision History.
- Make sure all plugins work after every new update.

World Recipe App

Work Element

5.1 Work Breakdown Structure (WBS)

World Recipe App

5.2 Gantt Chart

Grantt Chart

COSC 412 Individual project Anil Gurung

| Period Highlight: | 1 | | Plan Duration | | Actual Start | | % Complete | | Actual (beyond plan) | | % Complete (beyond plan) |

ACTIVITY	PLAN START	PLAN DURATION	ACTUAL START	ACTUAL DURATION	PERCENT COMPLETE
Project proposal	2/5/2021	6	2/5/2021	12	100%
SPMP	2/23/2021	7	3/10/2021	16	100%
Design	2/23/2021	7	3/17/2021	10	35%
Website creation	2/28/2021	20	3/28/2021	29	10%
Fetch database API	3/8/2021	8	TBA	TBA	85%
CSS	3/8/2021	6	TBA	TBA	85%
Receipe search Component	3/12/2021	7	TBA	TBA	50%
Comment & feedback Component	3/18/2021	5	TBA	TBA	60%
Testing	3/29/2021	8	TBA	TBA	75%
Deploy to Netlify	4/2/2021	7	TBA	TBA	100%
Code Review	4/6/2021	7	TBA	TBA	60%
Final Testing	4/10/2021	7	TBA	TBA	0%
Push to Production	4/12/2021	7	TBA	TBA	50%
Project Completion	4/18/2021	3	TBA	TBA	0%

PERIODS: 2/2/2021 2/9/2021 2/16/2021 2/23/2021 3/2/2021 3/9/2021 3/16/2021 3/23/2021 3/30/2021 4/6/2021 4/13/2021 4/20/2021 4/27/2021 5/4/2021