**RECIPE WEBSITE**

**Kyle Abrahams**

**Individual Project**

1. **Introduction**

1.1 Project Overview

1.1.1 Project Description

* The recipe website will consist of a curated list of homemade recipes with inexpensive ingredients and organized into sections based on restaurant .Chipotle, KFC, Friday’s and more will all be featured on the website.
* Because of covid 19, many individuals cannot go to their favorite restaurants like Chipotle and KFC. This website will be tailored to people who are inexperienced at cooking or baking and want to eat similar foods of their favorite restaurants without the need of utilizing doordash or visiting their restaurant.

1.2 Evolution of the SPMP

1.2.1 Managing Change

Currently a single individual will be leading the development of the project. If development becomes slow on the front end, technologies such as bootstrap, material ui, or materialize could be used to eliminate time spent developing the UI. The purpose of this will be so the developer can focus on a full and secure backend for users to have access to.

1. **Project Organization**

2.1 Project Model

2.1.1 Project Element Relationships

* Clients will request operations to be done by the Server
* Project will contain clients that are authors and or general users
* Server will be hosted on a domain
* Project will be deployed by free technologies

1. **Technical Process**

3.1 Methods, Tools, and Techniques

3.1.1 Methods

* The client will be able to send requests
* The server will be able to receive and handle those requests
* Will Organize the backend through an architectural design pattern
* Will provide version control to keep development stable

3.1.2 Tools

* JavaScript
* React
* mongodb
* Express
* Git & Github

3.1.3 Techniques

* The client will interact with a standard rest api within the backend
* Will utilize the MVC architectural pattern with express.js to separate business logic and presentation layer
* Will utilize git to handle progress of different features (branches) that hold commits

3.2 Justification of Software Process

The developer has experience with react, express, and javascript already and is comfortable using these technologies. MongoDB, even though less scalable than SQL databases, is still scalable enough for the project needs. And lastly, git and github is what the developer finds most easy to use for version control.

1. **Description of Work Packages**



