**Software Requirements,**

**Design, Testing, and Packaging**

**Specification**

**For**

**MSSE670 Object Oriented**

**Software Construction**

**Course Project**

**Meal Planning and Scheduling System**

**Version 1.0**

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# **Revision History**

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| --- | --- | --- | --- |
| Name | Date | Reason For Changes | Version |
| Zach Stanfill | 10/21/2021 | Initial Creation  -- Detail Project Charter | 1.0 |

# **Introduction**

* 1. **Purpose**

The purpose of this document is to detail the software requirements for a Java Meal Planning and Scheduling System that can be used for families to plan meals to cook at home. The goal of this document is to detail and explain the overarching purpose of the purposed software. This document will cover the stakeholders and intended audience in addition to eventually discussing the generalized design and testing of the software application.

* 1. **Stakeholders**

Stakeholder is defined as “a person, group, or company that is directly or indirectly involved in the project and who may affect or get affected by the outcome of the project” (geeksforgeeks.com, 2021).

1. **Family Members**: Each family member in a given house hold are going to be the stakeholder for this application as they will be responsible for populating meals as well as adding them to the meal schedule.
2. **Household Shopper:** The shopper will be responsible for taking the generated shopping list to purchase the required food products to be able to prepare the meals.
3. **Parents / Guardians:** Will be able to see the scheduled meals in order to ensure that all members of the family are receiving a well-balanced meal to meet specific dietary needs.
4. **Software Developer:** Responsible for creating a usable application that users want to use in order to complete the given task of meal planning and scheduling.
   1. **Intended Audience and Reading Suggestions**

This document has been prepared for the following audience: project stakeholders, system users, and the software developer.

There are a variety of articles that have been published within the last several months discussing the impact that the COVID-19 pandemic has had on the food services take-out and delivery market. In conjunction with inflation, the average American household is looking into ways to save money as services and attractions are continuing to open and extent services in a variety of manners.

* 1. **Product Scope**

A meal planning and scheduling system will allow for all family member to add meals and food items to the application to ensure that all food wants are being met and taken into consideration when preparing a periodic meal schedule. Meals will be able to be reviewed to assure that all dietary needs are being met, and the meals can aide in creating a itemized shopping list depending on the food items that have been chosen. This will be a standalone Java application accessible by members within the household and possibly outside supporting individuals.

* 1. **References**

*Software Engineering | Stakeholder*. GeeksforGeeks.com. July 05, 2021. https://www.geeksforgeeks.org/software-engineering-stakeholder/