Project Plan

New York Restaurant Inspection Data Analysis software tool

Student Names

Table of Contents

[1.0 Introduction 3](#_Toc46748287)

[1.1 Problem Background 3](#_Toc46748288)

[1.2 Scope 3](#_Toc46748289)

[1.3 Document contents 3](#_Toc46748290)

[2.0 Work Breakdown Structure 4](#_Toc46748291)

[3.0 Activity Definition & Estimation 5](#_Toc46748292)

[4.0 Gantt Chart 6](#_Toc46748293)

# Introduction

According to a report from the Center for Science in the Public Interest, People who eat out are twice as likely to contract food poisoning than those who eat at home. In order to examine and comprehend the data on New York more readily, the goal of this project is to develop an easy-to-use data visualisation dataset analysis tool. The project plan in this document will comprise resources such as a Project Overview, Work-Breakdown Structure, Activity Definition and Estimation, and a Gantt chart for showing scheduling and time estimation of the project's progress.

## Background

Restaurant inspections are not intended to cause anxiety among company owners. The aim of these inspections is to make sure that your clients are secure. A restaurant inspection usually takes place at least once and often up to four times a year for most restaurants. In severe situations, where many infractions take place at an establishment, employees may be required to resign. In these situations, a business may be obliged to lock its doors until the situation improves, which would result in significant financial losses for the organisation. Customers and businesses must be acutely aware of the effects that food safety issues can have on the company as well as the damaging loss of reputation and value that can happen if these considerations are ignored.

## Scope

The goal of this project is to provide a straightforward user interface that will enable users to quickly perform data analysis, and visualise the data related to the New York Inspection results. The aim is to make sure that user can find and view the data they want to know about, with moderate ease and precision. Graphs need to match their data and have a clear definition and what they represent. The layout must be straightforward and simple to use, with toggleable choices to reveal or provide a clearer view of the requested data. Having the ability to query and search for titles within a data search ensures that even individuals with little to no programming or technological experience can find it simple to use this program.

The first step of understanding the scope is to analyse and research the requirements and tools needed to design and create this type of project. Once completed, second comes the planning stage of the project which aims to outline the completion estimates and deadlines for each part of the project. In this stage each task is defined and allocated to team members so that each member always has a job to do and deadline of when it needs to be done. Third comes the designing of the program’s UI. Questions such as where to place text and methods of user input and what makes an interface simple and easy to use.

Once design is complete, implementation of the project becomes top priority. Each member of the team references the work breakdown plan for the project and begins working on their allocated tasks. From completion tests can be conducted to ensure that everything works as intended and that the systems as defined in the planning stages work effectively as intended.

## Document contents

This project plan gives a general overview on how the team plans to schedule, give an overview of, and design a data analysis tool for New York restaurant inspection data. The project is separated into two key elements, that being the project plan document and the Software Design document. The project plan also includes a work breakdown structure for the undertaking. The sub-activities and work packages are displayed in a hierarchical format. the project Gantt chart and duration estimates created at the end of the project plan.

The following lists the contents that are found within each document:

**Project Management Plan**

⦁ Activity Chart

⦁ Project Network & Scheduling

⦁ Gantt Chart

⦁ Work Breakdown Structure

⦁ Effort and Cost Estimation

**Design Document**

⦁ System Overview

⦁ User Requirements

⦁ Software Requirements

⦁ Use Cases

⦁ System Components and Software Design

⦁ User Interface Design

# Work Breakdown Structure

*This section should include the work breakdown structure for the whole project. The elements from the WBS should be used to generate your activity definition and those activities should then be scheduled in the Gantt Chart. Remember to consider ALL project activities – anything you do or will need to do should be included in the WBS*

*WBS’s are usually presented as some kind of hierarchical diagram/chart etc. The details what is involved each work unit should be provided in section 3:* ***Activity Definition***

*You do NOT need to do a WBS Dictionary for this project – the activity definition (whilst slightly different) will suffice. The WBS is focussed on SCOPE. The Activity definition is focussed on TIME.*

# Activity Definition & Estimation

*From your WBS, define the activities required for your project. You will revise this document and add more detail for part B as you discover more about the project.*

*Each activity should be clearly identified by a number and should match up to your Gantt chart. You should provide some estimations for the time you think each activity will take. This should make it easy to prepare your Gantt chart.*

# Gantt Chart

*This section should contain your Gantt chart. The items in the Gantt chart should match the activity definition from section 3. You should also submit your Gantt chart file separately.*