Desk Aid Website

By Victoria Shelton and Tim Hunt

1. Introduction

The project proposed by Cameron Hardy is an interactive web application. Its purpose is to be a guide for district office staff when a constituent approaches requiring help with any number of issues. Essentially, it will be an interactive online desk aid adapted from an existing printed guide that uses problem-solving flowcharts. The website will give staff options based on these flowcharts, and staff will select the option that best describes the constituent's issue. Once the end is reached, the website will return a solution in the form of a description, link, or contact information of a relevant department.

The client, Cameron Hardy, would like this project done to increase efficiency in assisting constituents and educating office staff on common issues these constituents may have. He was originally planning to implement the printed guide as an interactive/clickable PDF, but was considering the option to use a web version for greater ease of use. Additionally, implementing this data in the form of a website would allow for opportunities to make it easily modifiable, so that entries can be added and removed as time passes.This project would align well with those goals and simplify the guide.

2. Requirements

User Stories

The website's requirements were gathered directly from meetings with the client. These requirements were then formatted as user stories, shown in the table below. Three technical tasks were added in order to set aside time for building the website's framework: the backend, the database, and the user interface. Some additional user stories were suggested by the professor to make this project an appropriate difficulty level for the course.

Planning

The project will take place over 5 iterations, or sprints, during the course of the spring semester. Below is a table detailing the planned schedule of story completion. This is liable to change depending on whether or not the difficulty of each story was estimated correctly.

Iteration	End Date	Stories	Total Story Points
1	2/12/2025	T1, T2, T3	10
2	2/26/2025	S1,S2,S3,S4,S8	12
3	3/19/2025	S11,S12,S13,S14,S15,S16	18
4	4/2/2025	S5,S6,S7,S18,S19,S20,S21	14
5	4/16/2025	S9,S10	18

3. Design

Architecture

Technology

Database

Coding Standards

UI

4. Iterations

Sprint 1

Sprint 2

Sprint 3

Sprint 4

Sprint 5