1. Product/project definition

2.2 Product overview

A REST API and a web application (data visualization app) will be developed using well-prepared datasets on Access to Public Open Space and Nature by Ward. The REST API will provide software developers with access to the dataset for their applications, while the web app will present the data visually and graphically to users.

2.3 Persona

Michael Carter

age: 45
residence: Greater London
education: Master's in Urban Planning
occupation: Senior City Planner
marital status: Married, with 2 children

"Empowering data for a greener, more accessible London."

I dedicate most of the workday in my office, conducting field visits and accessing the web app to make data-driven decisions in urban development.

Comfort With Technology

INTERNET

SOFTWARE

MOBILE APPS

SOCIAL NETWORK

Criteria For Success:

Success to me entails creating a city where every resident can access green spaces, fostering environmental sustainability, and ensuring community engagement. It means using web app data to make informed decisions for a more accessible, eco-friendly urban landscape, while complying with regulations. Success is measured by the positive impact on residents, the environment, and overall quality of life in London.

Needs

- Access data for informed decisions.
- Streamline workflow for daily operations.
- Visualize critical data for understanding.
- Analyze accessibility for equitable planning.
- Integrate GIS for spatial analysis.
- Engage community for resident input.
- Assess sustainability for environmental impact.
- Collaborate with tools for efficient teamwork.

Wants

- Acquire comprehensive data for richer insights.
- Ensure real-time data updates for currency.
- Employ innovative visualization for compelling presentations.
- Utilize predictive analysis for advanced insights.
- Customize insights tailored to specific needs.
- Pursue professional development for career growth.

Values

- Sustainability for eco-friendly urban development.
- Equity in access to open spaces.
- Data-driven decision-making for informed choices.
- Collaboration for effective planning efforts.
- Regulatory compliance and adherence to guidelines.

Fears

- Data inaccuracies impacting planning decisions.
- Challenges in effectively visualizing complex data.
- Inadequate tools to engage stakeholders effectively.
- Regulatory non-compliance based on dataset limitations.

2. Tools & techniques

3.1 Source code control

https://github.com/ucl-comp0035/comp0035-cwi-Fortis036.git

Weekly Record
Week 1:
What I did in the last week:
I previewed the slides for this week's LECTURE last week and got a preliminary idea of what this semester's COURSEWORK will be from the COURSEWORK BREIFT and decided that I will be doing the COURSEWORK for both classes on an individual basis.

What I plan to do next week:
I'm going to prepare for writing the persona next week when I get my assigned database by browsing through the data to understand what it contains and the people who might need it (preparation for writing persona).

Week 2:
What I did in the last week:
Through the tutorial, I learnt about GitHub, created my own GitHub account, got to know the basics of GitHub, and was able to connect to the IDE in order to push, pull, and commit locally.

What I plan to do next week:
To understand the data further, to create a word document to write a brief of the data.

Week 3:
What I did in the last week:
Through the tutorial, I managed to create a virtual environment for the coursework. In additionally, I finished the initial draft of a persona.

What I plan to do next week:
I will use the persona draft to fill a persona template and finalize it. Try to start the coding part.

Week 4:
What I did in the last week:
Finished the product overview, and did some changes to the persona draft.

What I plan to do next week:
To finalize the coding part and fix unsolved issue of coding.

Week 5:
What I did in the last week:
Finished the coding part.

2.4 Use of AI

AI is not used in this coursework.