URBAN GREENING EXPLORER

An Interactive Dashboard for Exploring Vancouver's Public Trees

Progress Report 1

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Course: CSIS 4495 – Applied Research Project

Section Number: 071

Work Logs

Date	Hours	Description of Work Done
Sept 17, 2025	3.0	Proofread and finalized the proposal. Completed references and formatted work log. Submitted initial proposal.
Sept 20, 2025	1.5	Received professor's feedback and outlined required revisions, including the removal of bullet points, improved citations, expansion of "Explore Trees," and the removal of "Tree Planning."
Sept 22, 2025	4.0	Rewrote major sections of the proposal. Expanded "Explore Trees," removed "Tree Planning," added the new "Green Comfort Zones" component, and introduced explicit indicators such as total trees, unique species, average diameter, planting years, and density. Revised the Problem Statement and Research Gap with stronger citations.
Sept 24, 2025	1.5	Completed final proofreading, polished formatting, and ensured overall consistency with professor's feedback.
Sept 27, 2025	0.5	Submitted the revised proposal with updates reflecting the professor's feedback.

Description of Work Done

Since submitting the initial proposal on September 17, I focused primarily on revisions in response to the professor's feedback. The feedback emphasized the need for improved academic presentation, particularly replacing bullet points with full paragraphs, strengthening references, and narrowing the project scope. I removed the "Tree Planning" component to keep the project exploratory and data-driven, and expanded the "Explore Trees" section to highlight how users can filter and interact with individual tree records.

I also introduced the "Green Comfort Zones" component, which identifies neighborhoods with higher tree density, and clarified the project's indicators by explicitly defining total trees, unique species, average diameter, earliest and latest planting years, and density. These additions made the methodology more precise and aligned the proposal with GIS and urban forestry practices. I then revised the Problem Statement and Research Gap with stronger academic references, polished formatting, and improved consistency across sections. The revised proposal was submitted on September 27, reflecting these substantial improvements.

Repo Check-in of Implementation Completed

The GitHub repository has been set up with an **Implementation** folder, which now contains a **data** subfolder. Within this subfolder, I have uploaded the required datasets:

1. public-trees.csv (City of Vancouver Public Trees dataset)
2. local_area_boundaries.geojson (City of Vancouver Local Area Boundaries dataset).