

CPSC 304 Project Cover Page

Milestone #: 3

Date: 2025-03-10

Group Number: 9

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Link to GITHUB REPOSITORY:

https://github.students.cs.ubc.ca/CPSC304-2024W-T2/project_c0j6d_c2m4x_g0x9g

2. Summary:

The application aims to model the biotic and abiotic components of different bioregions, called biomes, in British Columbia and how they interact. Formally, a biome is a community of flora and fauna that occupies a major habitat, with examples including the biomes Tundra, Temperate Rainforest, etc. Our application includes entities under this umbrella such as organisms, climate, and soil type, and relationships such as how a spanning geographic barrier can result in speciation (separation of species) within these biomes.

3. Timeline

- **2025-03-16:** Each group member should finish 3 tables for the SQL Script.
- **2025-03-20:** All tables should be done for the SQL Script.
- **2025-03-23:** implement query statements and test it. :|
- **2025-03-27:** Finish basic GUI design (UX) and Error Handling
- **2025-03-29:** Demo Practice

PARTITIONING OF WORK

Tempe	<u>TABLES:</u> <ul style="list-style-type: none">● HumidityAndCloudCoverage● PrecipitationOfBiomes● SoilAndOxygenConcentration● DistributionOfGeologicalCommodities● ReproductionInPlantPhylums● CirculationSystemsOfVertebrates● EcosystemsInBC <u>QUERIES:</u> <ul style="list-style-type: none">● Delete● Projection● Aggregation with GROUP BY● Aggregation with HAVING
Janet	<u>TABLES:</u> <ul style="list-style-type: none">● LengthsOfGeographicBarriers● TemperaturesOfBiomes● OxygenConcentrationAndRedox● DensitiesOfGeologicalCommodities● PlantsAndTheirSourcesOfEnergy

	<ul style="list-style-type: none"> • PlantSpeciesAndTheirPhylums • NaturalDisastersOccurrencesInBC <p><u>QUERIES:</u></p> <ul style="list-style-type: none"> • Update • Selection • Nested Aggregation with GROUP BY
Dilna	<p><u>TABLES:</u></p> <ul style="list-style-type: none"> • EnvironmentalDamageCausedByNaturalDisasters • TempPrecipitationHumidity • BiomeAndType • CitiesAndCommunityTypes • AnimalsAndSourcesOfEnergy • VascularizationInPlants • VertebratesAndInvertebrates <p><u>QUERIES:</u></p> <ul style="list-style-type: none"> • Insert • Join • DIVISION