University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

Date: September

Group Number: 116

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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

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Project Description:

Our project operates in the domain of **urban planning, food security, sustainability** and **community engagement**. It is planned to be a versatile tool designed to facilitate the planning and management of community gardens within the constraints of urban environments, where available gardening spaces are limited. Our user base comprises three primary users: community garden managers (organizations), individual garden enthusiasts (gardeners), and suppliers.

Limited outdoor space is a widespread phenomenon in cities and densely populated areas such as Vancouver. Additionally, rising food prices and heightened environmental concerns underscore the need for sustainable and affordable food options. Our database addresses these challenges by providing a management platform for urban gardeners to connect with community garden spaces, enabling those with restricted space to engage in gardening despite space limitations. A key value in our database will be the ability to log attributes of the gardening spaces available, and through the relational database, identify plant species that can thrive under the environmental constraints. For example, a community garden surrounded by high rise apartments will have limited sun exposure. Our database could identify plant options that would be best suited to thrive within this space.

Database Specifications:

The database will be used for several key purposes primarily centered around the management of community gardens, but through this focus there will also be use value for gardeners and suppliers as well.

1. **Community Garden Management:** Community garden administrators can oversee operations including managing plot assignments, community events, and identifying suppliers.

2. **Plot Management:** It allows gardeners to keep track of their plot including inventory of plants and materials, as well as conditions specific to their garden space.

3. **Task Management:** Gardeners have the option to track when a gardening task needs to be performed aiding in consistent watering for example.

4. **Identify Plants:** Gardeners or community garden administrators can use the database to identify suitable plant species based on their given space constraints or environmental conditions.

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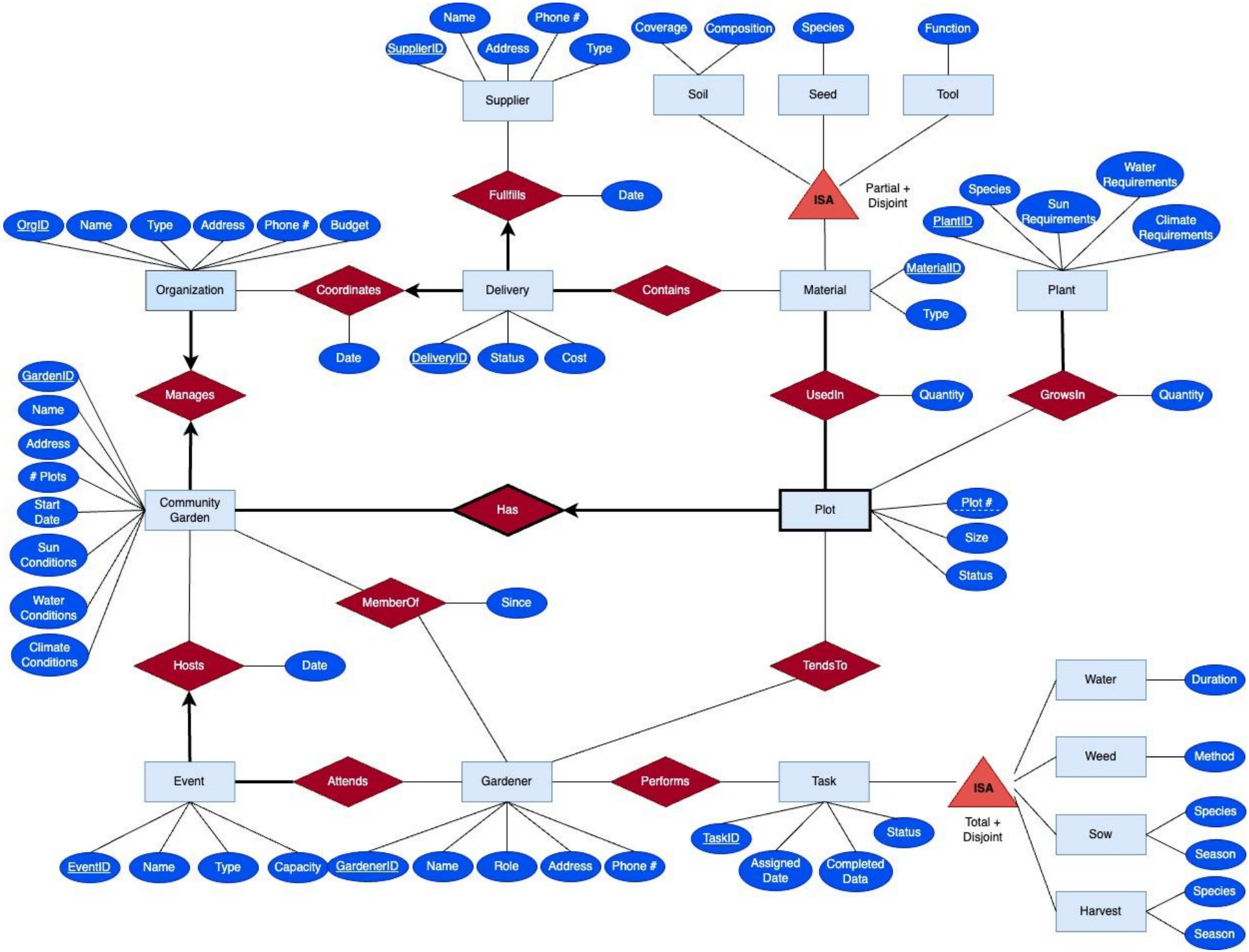
Application Platform:

Our application will use the **Oracle** database as the backend data storage system. The expected technology stack for the application includes **PHP** as the primary programming language. We may make adjustments to the tech stack as we progress.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