**University of British Columbia, Vancouver**
Department of Computer Science

# CPSC 304 Project Cover Page

**Milestone #:** 1
**Date:** February 10, 2025
**Group Number:** 50

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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

**Project Description**

**a. What is the domain of the application? Describe it.**

Our application is centered around organizing and exploring Pokémon data. Pokémon is one of the highest-grossing media franchises of all time, with a massive worldwide following. Among its many forms - including a trading card game and an animated TV series - the Pokémon video game franchise remains one of the most popular, known for its strategic battles, engaging storyline, and unique world to explore. With over a thousand Pokémon, multiple types, moves, abilities, and evolutions, there is an immense amount of data to organize. Our project focuses on building a comprehensive database that catalogs Pokémon species, their attributes, evolutions, abilities, and more, making it a valuable resource for players.

**b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.**

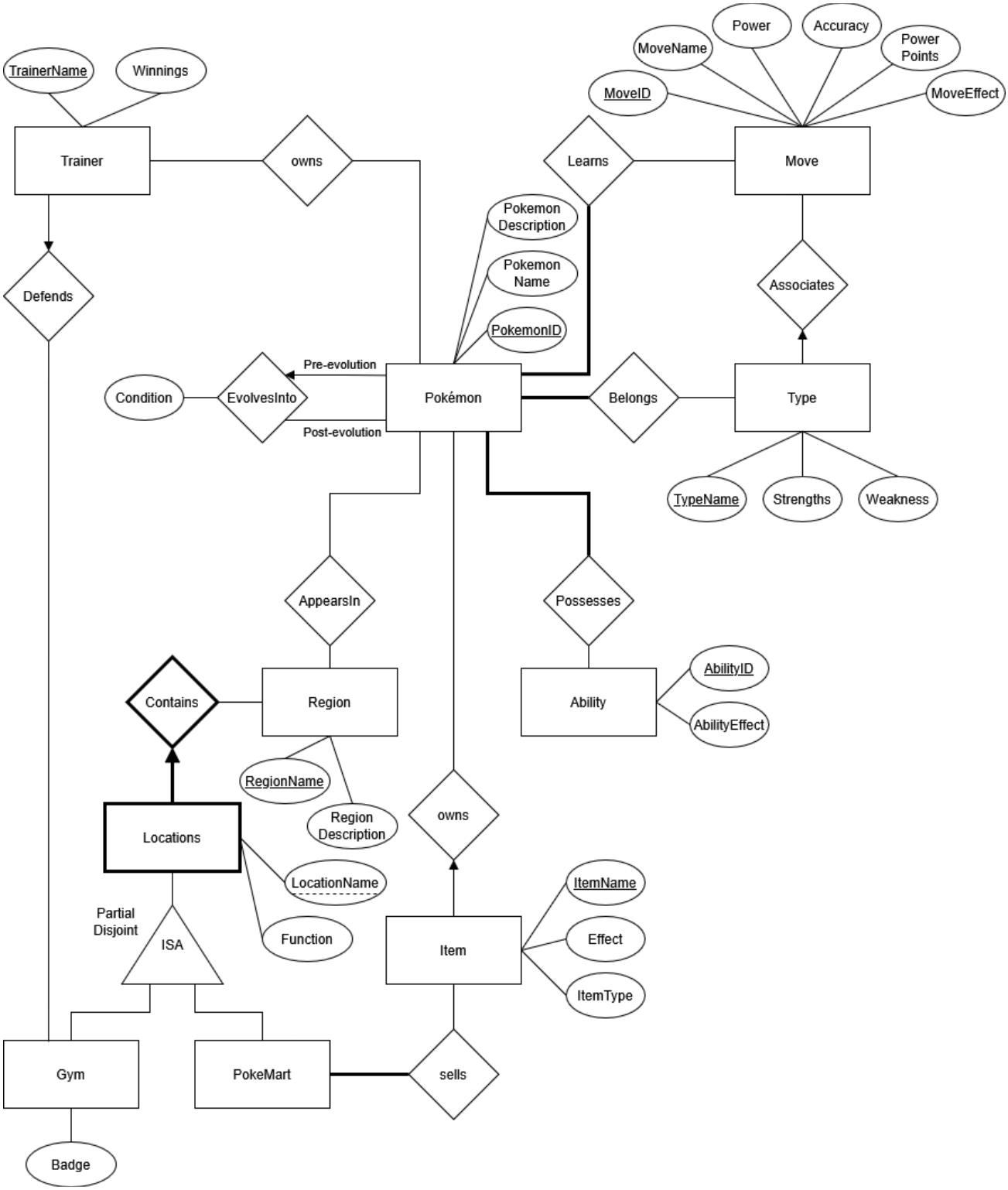
The database focuses on modeling Pokémon variations across different game versions, including how availability and characteristics differ between versions. It also captures the regional context of Pokémon appearances, evolution paths, and the interplay between moves, abilities, and types. This allows for a detailed analysis of how the Pokémon ecosystem varies across game versions and regions, highlighting key differences and interactions within the domain. Each region also has its own unique set of locations with different functions, for example, Pokemon FireRed is set in the Kanto region, which in Pewter City, lies a gym with Brock as its gym leader. Most of the pokemon Brock owns are rock types, each with different abilities and moves.

**Database specifications: (3-5 sentences)**

**a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do**

The database will function as a Pokémon encyclopedia, allowing users to manage and explore the relationships between trainers, Pokémon, and their respective attributes, such as moves, abilities, and types. It enables tracking of Pokémon ownership, evolution conditions, and locations where specific Pokémon appear. Additionally, users can retrieve information about regions, gyms, items, and badges, providing a comprehensive platform for studying Pokémon ecosystems and gameplay mechanics. The database also supports querying move details and associated strengths and weaknesses based on type.

**Declaration of AI tools**: We did not use any AI tools for this portion of the project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Winnings
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Gym
PokeMart
sells
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