University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

Date: 2023-05-31

Group Number: 7

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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

2. A brief project description answering these questions:

We propose the implementation of a comprehensive Lab Inventory Database to address the challenges faced by researchers in managing laboratory supplies and equipment. The domain of our application is the management and control of inventory within a laboratory setting. It focuses on tracking, organizing, and maintaining the stock of various items, supplies, and equipment used in laboratory operations. This includes items such as chemicals, lab equipment, and other materials essential for conducting experiments and research in the lab. The application is designed to streamline inventory processes, monitor stock levels, facilitate procurement, track usage, and ensure efficient utilization of resources within the laboratory environment. The application will significantly enhance the efficiency and effectiveness of researchers within the lab environment.

3. Database specifications:

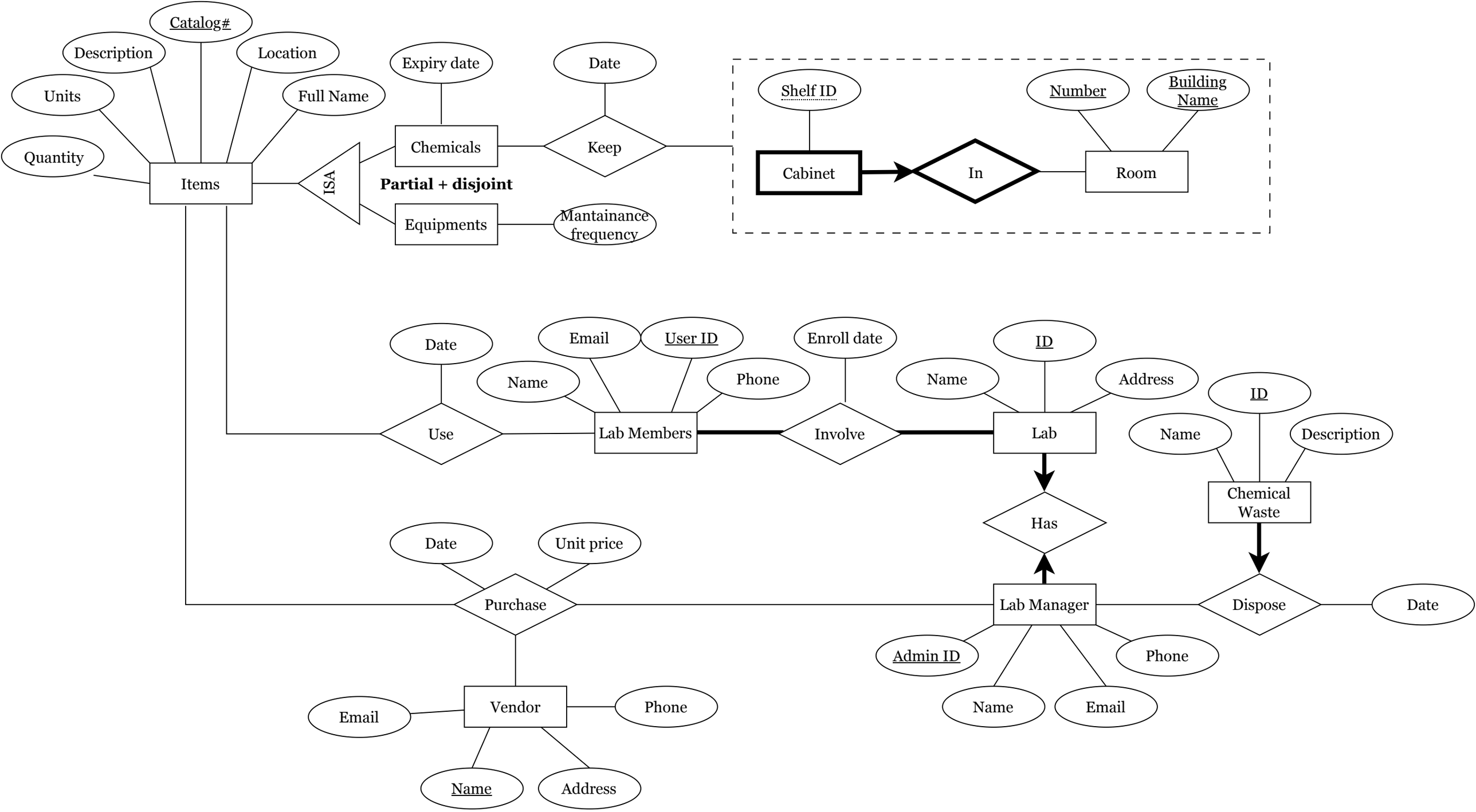
The database provides tracking, organizing, and maintaining various chemicals, supplies, and equipment used in laboratory operations. It allows users to add, update, and delete inventory items. It stores information such as item name, description, quantity, storage location, expiration dates, and any custom attributes or notes associated with each item. Users can search for specific inventory items using various criteria like name, category, location, or any other relevant parameter.

4. Description of the application platform:

We will be using PHP and Oracle for this project.
PHP is a web development framework that offers a wide range of libraries and tools for building scalable web applications. Oracle is a platform for database management that provides a comprehensive set of tools, technologies, and services.

5. An ER diagram for the database that your application will use.

Please see the next page for the ER diagram.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