## Data Storage

图示, 示意图

描述已自动生成

Figure 1-Database design in Entity Relationship Diagram (ERD)

This project uses MySQL 8.0.21 as the Database Management System (DBMS) to store data. Figure 1 is the Entity Relationship Diagram (ERD) of this system. This project contains a total of six collections, which are designed according to the needs of the project.

A company table is designed to store all the information about a company. Including the company’s name, ABN, phone number, address and type. If a company has registered an account on the platform, it is necessary to provide all the information and the database will record them.

User table stores user information whether he/she is the project manager, developer or a client. The information entered during user registration will be stored in the user table, which is convenient for later retrieval, modification, and deletion.

Project table stores all project information of all companies, including ongoing, planned, or historical information. The project manager has the authority to update, add, and delete this table.

The phase table is an extension of the project table. A project contains more than or equal to one phase. Each phase records the start and end time, status, permissions and other information.

And then there is the reminder and action table which are related to the phase table. The function implemented by reminder is to periodically remind users who participate in a phase. The function of action is to record the specific information of each action in the phase, including time, personnel, etc.