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Project Proposal

Personal Finance Database System

The system will consist of two parts:

1. A database consisting of users and their financial information.
2. An application for the purpose of managing data entry and retrieval into and from the database.

Part 1: Database

The database will be created and maintained with MySQL. It will contain at least the following entities:

1. *User* → An entity that tracks each unique user in the system.
2. *UserDetail* → An entity that records information about each user entity.
3. *Account* → An entity that records account information of a unique account associated with user entities.
4. *Transaction* → An entity that records a unique financial transaction associated with an account entity.

Part 2: Application

The application will allow a user to perform at least the following activities:

1. Create/Delete a User entity and associated data.
2. Create/Delete Account entities and associated data.
3. Create Transaction entities which cause updates to the associated account.
4. Create various reports from the information contained in the database.