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**Alpha Team**

**Business Rules and Assumptions for Willson Financial**

1. **Client Management**

* Each client has a unique ID.
* Each client must have a first name, last name, address, phone number, and email.
* Clients are added to the system with a recorded date indicating the month and year of addition.
* Each client can have multiple accounts managed by Willson Financial.

1. **Transaction Management**

* Each transaction is linked to one client and associated with a specific account.
* Each transaction has a unique ID.
* Transactions are timestamped to track the date and time of each transaction.
* Transactions include the amount and type (e.g., deposit, withdrawal).

1. **Employee Management**

* Each employee has a unique ID.
* Employees must have a first name, last name, position, and hire date.
* Employees can manage multiple clients, and each client can be managed by multiple employees, creating a many-to-many relationship.
* Employees have roles and responsibilities including managing appointments, office supplies, and compliance.

1. **Billing Management**

* Each billing record is linked to one client.
* Each billing record has a unique ID.
* Billing records have a billing date and amount.
* Clients are billed based on the services provided.
* The billing structure can be altered to accommodate different billing strategies.
* Bills include the amount billed, date, and billing period.

1. **Compliance**

* Compliance activities are logged and associated with a compliance manager.
* Compliance activities include details such as type, date, and description.

**Assumptions**

* The business will track client additions monthly.
* The system can generate reports to analyze client growth, asset averages, and transaction volumes.
* Each client can have multiple accounts, but each account is associated with only one client.
* Transactions are logged for each account with sufficient detail to analyze transaction frequency.
* Employees are responsible for specific tasks, and their activities can be tracked.
* The business will calculate average asset value and track client transactions.
* Clients can have multiple assets and transactions.
* The system can generate reports to answer questions such as:
  + How many clients have been added for each of the past six months?
  + What is the average amount of assets (in currency) for the entire client list?
  + How many clients have a high number (more than 10 a month) of transactions?

**Initial ERD for Willson Financial**

