**Chore App Class Responsibility Collaborator（CRC）**

**frontend design:**

Class: Home Dashboard

Responsibilities:

Display user-specific chore tasks and summaries.

Provide an overview of household tasks.

Allow users to complete and manage their chores.

Collaborators:

User class for displaying user-specific data.

Chore class for displaying chore information.

Class: User Interface (UI)

Responsibilities:

Create user accounts and profiles.

Display user lists and profiles.

Enable users to add or remove household members.

Collaborators:

User class for user data manipulation.

Household class for managing household members.

Class: Chore Interface (UI)

Responsibilities:

Create and manage chore tasks.

Show chore lists and details.

Allow users to mark chores as completed.

Collaborators:

Chore class for chore data manipulation.

User class for assigning chores.

Class: Summary Display

Responsibilities:

Generate and display chore time and effort summaries.

Show charts and graphs for weekly and monthly chore statistics.

Collaborators:

User class for accessing user-specific data.

Chore class for chore-related data.

**backend logic:**

Class: User

Responsibilities:

Manage user accounts and profiles.

Handle user login and authentication.

Assign and track user-specific tasks.

Collaborators:

Database for storing user data.

Login Screen for user authentication.

Class: Chore

Responsibilities:

Create, manage, and update chore tasks.

Assign chores to users.

Record chore completion.

Collaborators:

User class for task assignment.

Database for storing chore data.

Class: Household

Responsibilities:

Create and manage household accounts.

Associate users and chores with the household.

Implement household-specific settings.

Collaborators:

User class for household members.

Chore class for household tasks.

Class: Database

Responsibilities:

Store and retrieve user, chore, and household data.

Ensure data integrity and security.

Collaborators:

User, Chore, and Household classes for data storage.