System Design for Financial Track

EECS3311 N

Financial Track (Group 10)

Sprint 1

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CRC Cards

Class Name: User

Parent Class: None Subclasses: None

Responsibilities:

- Create a new user account
- Authenticate user login
- Store and manage user credentials securely
- Retrieve user profile information

Collaborators:

- Database
- Authentication

Class Name: Transaction

Parent Class: None Subclasses: None

Responsibilities:

- Store income and expense details
- Categorize expenses (e.g., food, rent)
- Allow users to edit/delete transactions

Collaborators:

- User
- Budget

Class Name: Budget

Parent Class: None Subclasses: None

Responsibilities:

- Manage user-defined budget
- Track remaining balance
- Recalculate when transactions change
- Support switching between weekly/monthly views

Collaborators:

- User
- Transaction

Class Name: Report			
Parent Class: None Subclasses: None			
Responsibilities:	Collaborators:		

Class Name: Authentication			
Parent Class: None Subclasses: None			
Responsibilities:	Collaborators: • User		

Software Architecture Diagram

