

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: <ul style="list-style-type: none">• Create a new user account• Authenticate user login• Store and manage user credentials securely• Retrieve user profile information	Collaborators: <ul style="list-style-type: none">• budget• auth• transaction

Class Name: transaction	
Parent Class: None Subclasses: None	
Responsibilities: <ul style="list-style-type: none">• Store income and expense details• Categorize expenses (e.g., food, rent)• Allow users to edit/delete transactions	Collaborators: <ul style="list-style-type: none">• user• budget

Class Name: budget	
Parent Class: None Subclasses: None	
Responsibilities: <ul style="list-style-type: none">• Manage user-defined budget• Track remaining balance• Recalculate when transactions change• Support switching between weekly/monthly views	Collaborators: <ul style="list-style-type: none">• user• transaction

Class Name: auth	
Parent Class: None Subclasses: None	
Responsibilities: <ul style="list-style-type: none"> • Handle user login/logout • Verify user credentials • Ensure secure password storage and validation 	Collaborators: <ul style="list-style-type: none"> • user

Software Architecture Diagram

