

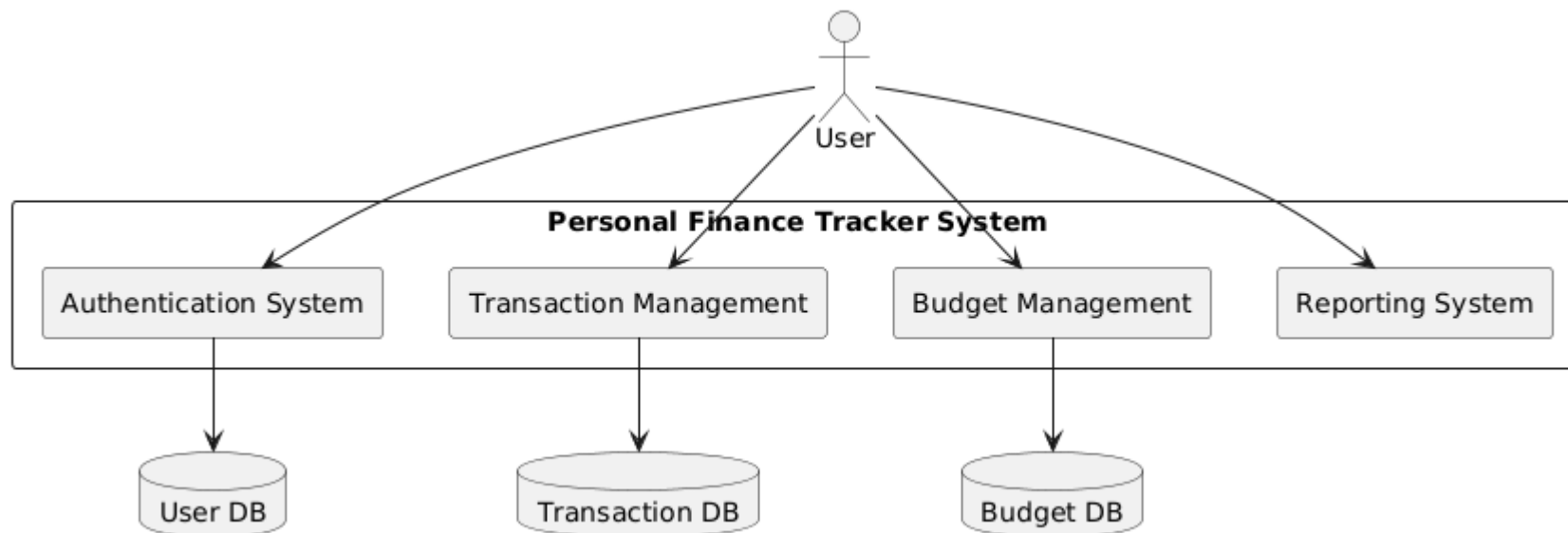
Project Design Phase-II

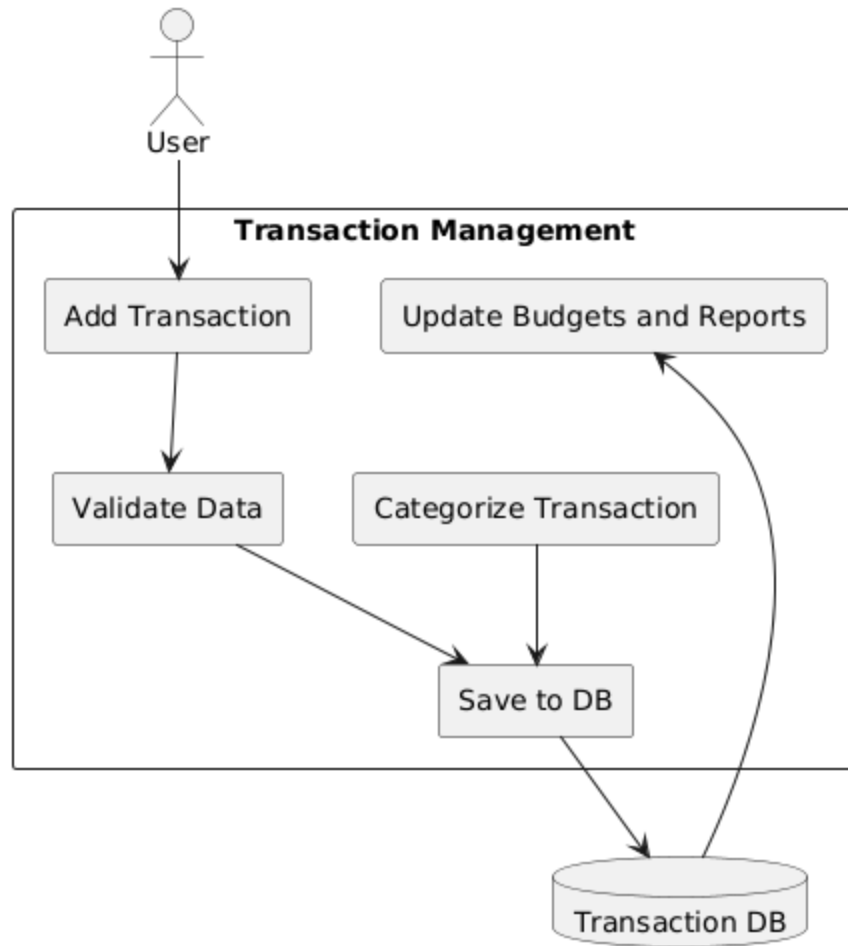
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	SWTID1743315733
Project Name	Personal Finance Tracker
Maximum Marks	4 Marks

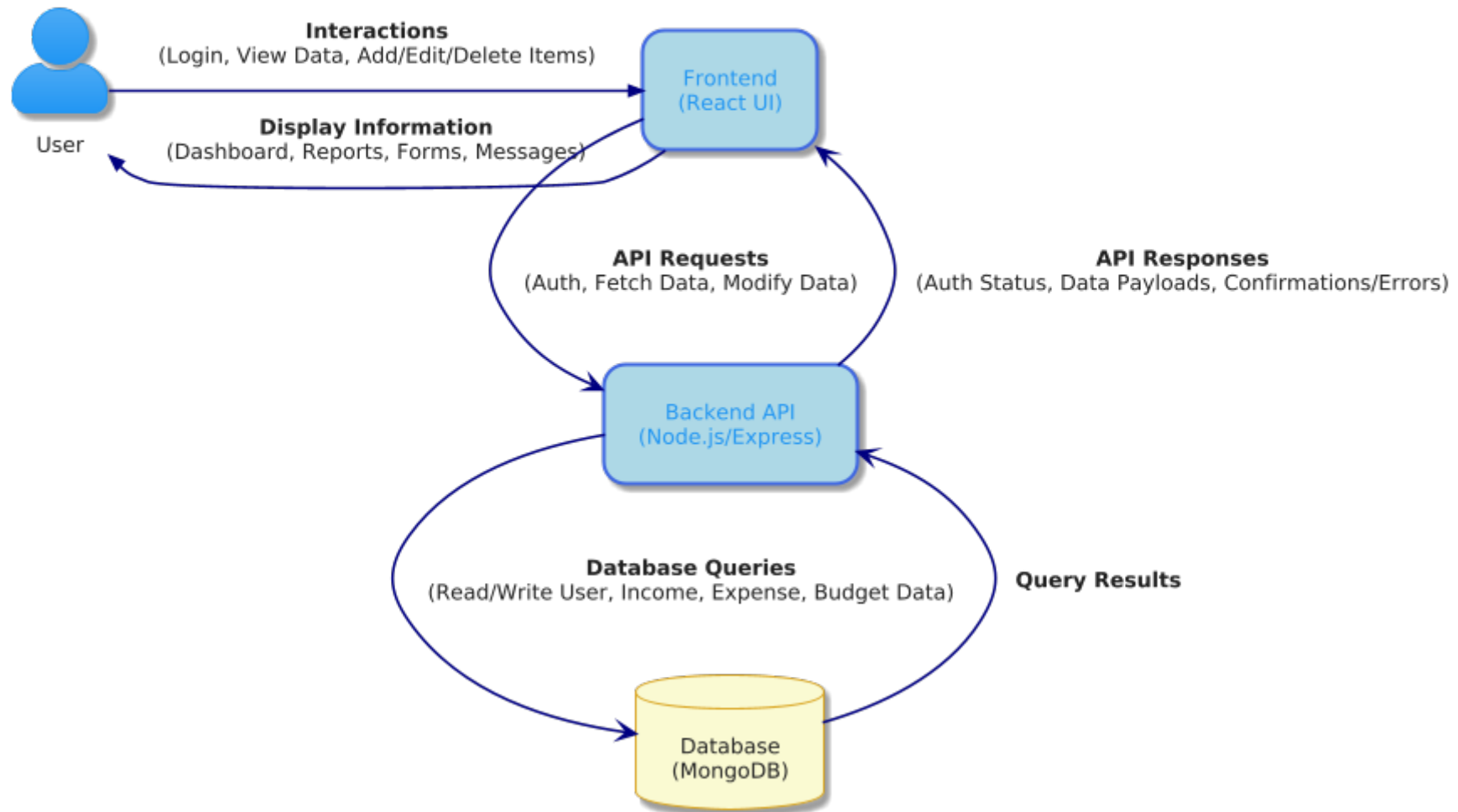
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.





Personal Finance Tracker - Data Flow



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
User	Authentication	USN-001	As a user, I can register for the application using my email and a password.	- User provides email & password. - Account is created in the database. - User is logged in or redirected to login.	High	Sprint-1
		USN-002	As a user, I can log into the application using my registered email and password.	- User provides correct email & password. - User is granted access to the dashboard. - Incorrect credentials show an error.	High	Sprint-1
		USN-003	As a user, I can log out of the application.	- User clicks logout. - User session is terminated. - User is redirected to the login page.	High	Sprint-1
	Dashboard	USN-004	As a user, I can view a summary of my finances on the dashboard.	- Dashboard displays Total Income, Total Expenses, Current Balance, and Savings Rate for the current period (e.g., month).	High	Sprint-1
		USN-005	As a user, I can see a visual representation of my expenses by category.	- Dashboard displays a pie chart showing expense distribution across categories for the current period.	High	Sprint-1
		USN-006	As a user, I can see a visual comparison of my income vs. expenses.	- Dashboard displays a bar chart comparing total income and total expenses over recent periods (e.g., last 6 months).	High	Sprint-2
		USN-007	As a user, I can see a list of my most recent transactions on the dashboard.	- Dashboard displays the latest 5-10 income and expense transactions with date, description, and amount.	Medium	Sprint-2

	Income Management	USN-008	As a user, I can add a new income transaction with source, amount, and date.	- User fills income form (source, amount, date, optional description). - Transaction is saved. - List updates.	High	Sprint-1
		USN-009	As a user, I can view a list of all my income transactions.	- Income page displays all income records with details. - Pagination is available if many records exist.	High	Sprint-1
		USN-010	As a user, I can edit an existing income transaction.	- User selects an income record to edit. - Form pre-fills with data. - User saves changes. - List updates.	High	Sprint-2
		USN-011	As a user, I can delete an income transaction.	- User selects an income record to delete. - Confirmation prompt appears. - Record is removed. - List updates.	High	Sprint-2
	Expense Management	USN-012	As a user, I can add a new expense transaction with category, amount, and date.	- User fills expense form (category, amount, date, optional description). - Transaction is saved. - List updates.	High	Sprint-1
		USN-013	As a user, I can view a list of all my expense transactions.	- Expense page displays all expense records with details. - Pagination is available if many records exist.	High	Sprint-1
		USN-014	As a user, I can edit an existing expense transaction.	- User selects an expense record to edit. - Form pre-fills with data. - User saves changes. - List updates.	High	Sprint-2
		USN-015	As a user, I can delete an expense transaction.	- User selects an expense record to delete. - Confirmation prompt appears. - Record is removed. - List updates.	High	Sprint-2