## Business process: Financial Transaction Processing and Reporting

- **Objective**: Automate and streamline the tracking of income and expenses for individuals and small businesses.

- **Expected Outcomes**:

    o   Improve accuracy and speed of financial recording.

    o   Provide real-time financial reports.

    o   Support informed decision-making.

Key Entities (Actors/Systems)

Entity	Role/Responsibility
User	Inputs transactions (income/expense). Views reports.
Accountant	Reviews data integrity, audits reports.
System (DB)	Validates, stores, and categorizes transactions.
Budget Module	Checks if transactions exceed set limits.
Report Generator	Compiles daily/weekly/monthly summaries and trend graphs.
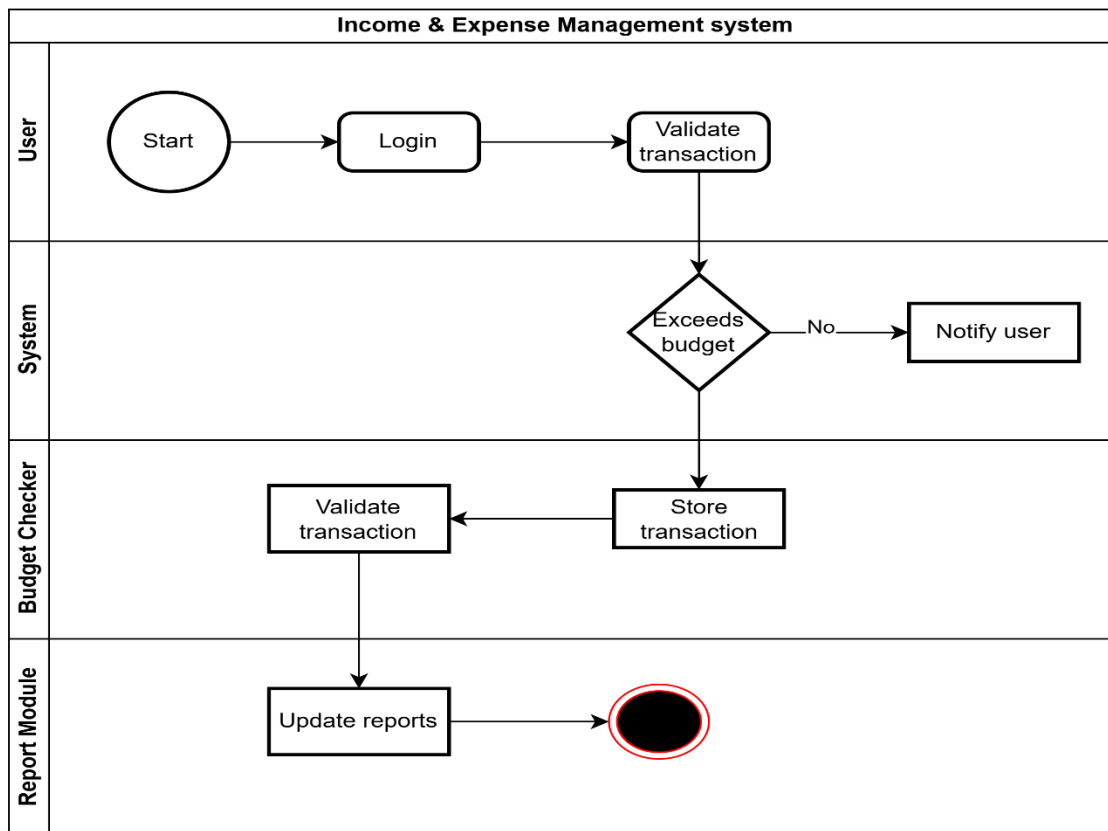
Main Components:

- **User Input & Validation**: Users enter income/expense → validated by PL/SQL procedures.

- **Transaction Storage**: Data inserted into normalized tables (Transactions, Categories, Users).

- **Budget Monitoring**: Triggers/functions check if monthly limits are exceeded.

- **Reporting**: Queries generate summaries and alerts.

How it Supports MIS:

- **Operational Efficiency**: Automates and reduces manual errors.

- **Decision Support**: Real-time insights via reports.

- **Control**: Budget monitoring ensures financial discipline.

Why It's Important:

- Prevents overspending.

- Enables timely decisions based on financial trends.

- Scales to support larger datasets for businesses.