



Shree Swaminarayan College of Computer Science
Sardarnagar, Bhavnagar.
(Affiliated to M. K. Bhavnagar University)

Progress Report Number:	2
Project Title	Master Budget
Project Guide	Mr. Nirav Shah

Roll No.	Name of Student
0122058	Mr. Vinay Dodiya

Submission Date	
Signature of Students	
Signature of Guide	

1. Data Flow Diagram

- A **Data Flow Diagram (DFD)** is a visual representation of how data moves through a system. It is used to model the flow of data between processes, data stores, and external entities. DFDs are hierarchical, meaning they can be broken down into levels of detail, starting from a high-level overview (Context Diagram) to more detailed levels (Level 1, Level 2, etc.).

1.1 Components of DFD

1.1.1 External Entity

Symbols	Author	
	Yourdon & Peter Coad	Gane & Sarson
External Entity	<div>External Entity</div>	<div>External Entity</div>

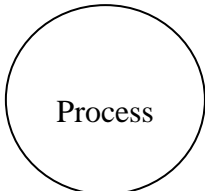

Description:

- This External Entity is use for write a user name, customer name, etc.

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1.1.2 Process

Symbols	Author	
	Yourdon & Peter Coad	Gane & Sarson
Process		

Description:

- This Process is use for write a Validation, Verification, etc.

1.1.3 Database

Symbols	Author	
	Yourdon & Peter Coad	Gane & Sarson
Database		



Description:

- The Database should be / must be 1 side or 2 side open otherwise that are not called database.
- Database also called Data Store.

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1.1.4 Flow of Data

Symbols	Author	
	Yourdon & Peter Coad	Gane & Sarson
Flow of Process		

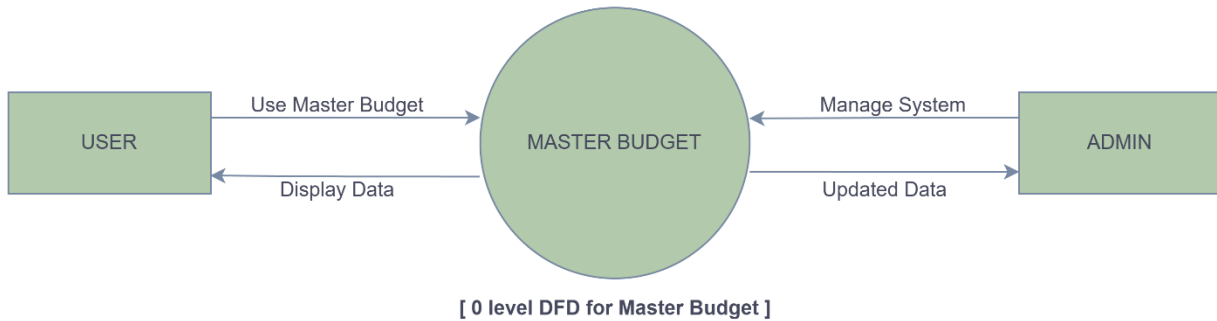
Description:

- This is a flow of process symbol; it uses to describe the flow of process that where to start & where to end.
- The flow of process symbol also known by Structure Pointer & Data Flow.

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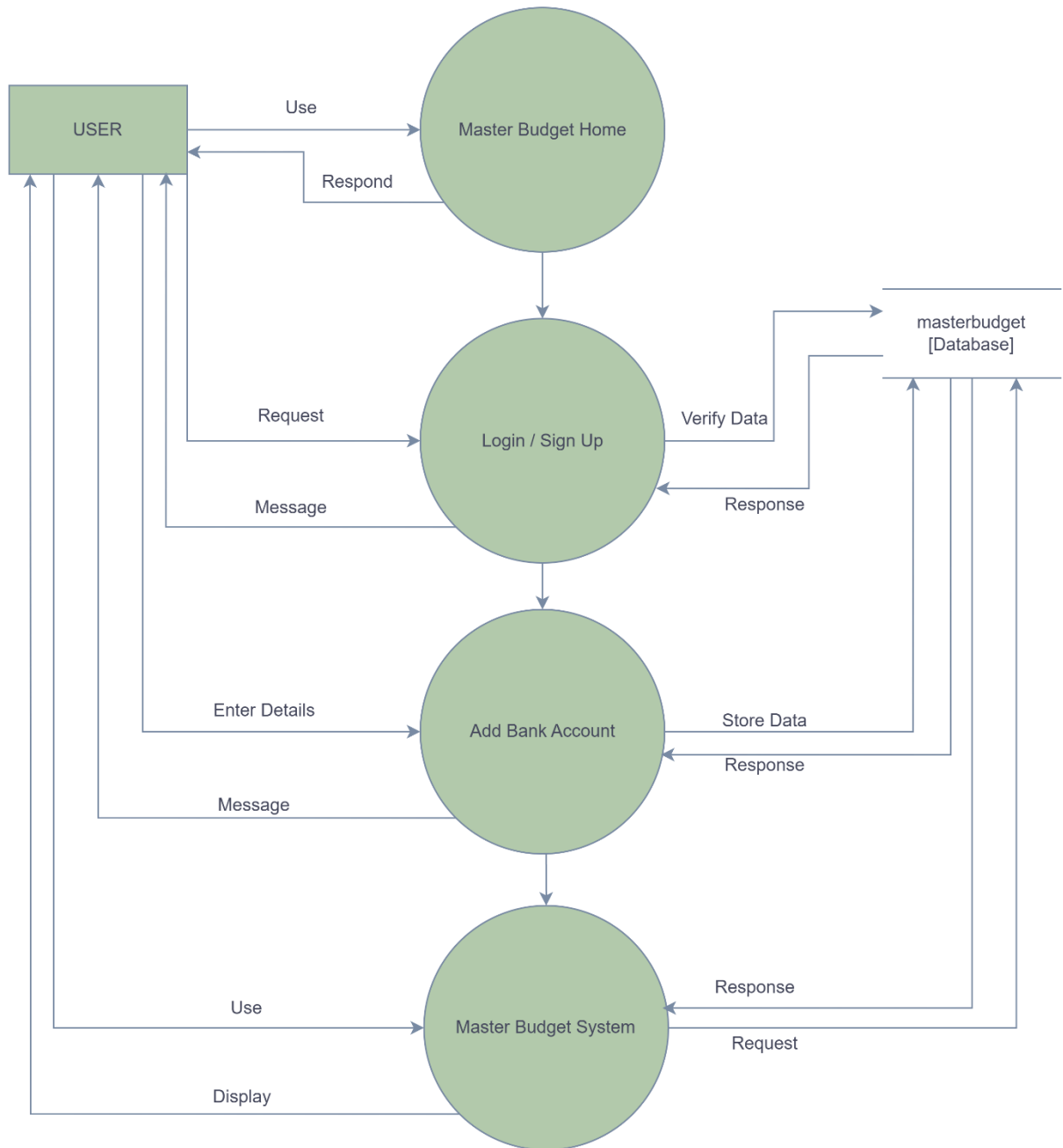
1.2 DATA FLOW DIAGRAM

1.2.1 0 Level DFD for Master Budget System



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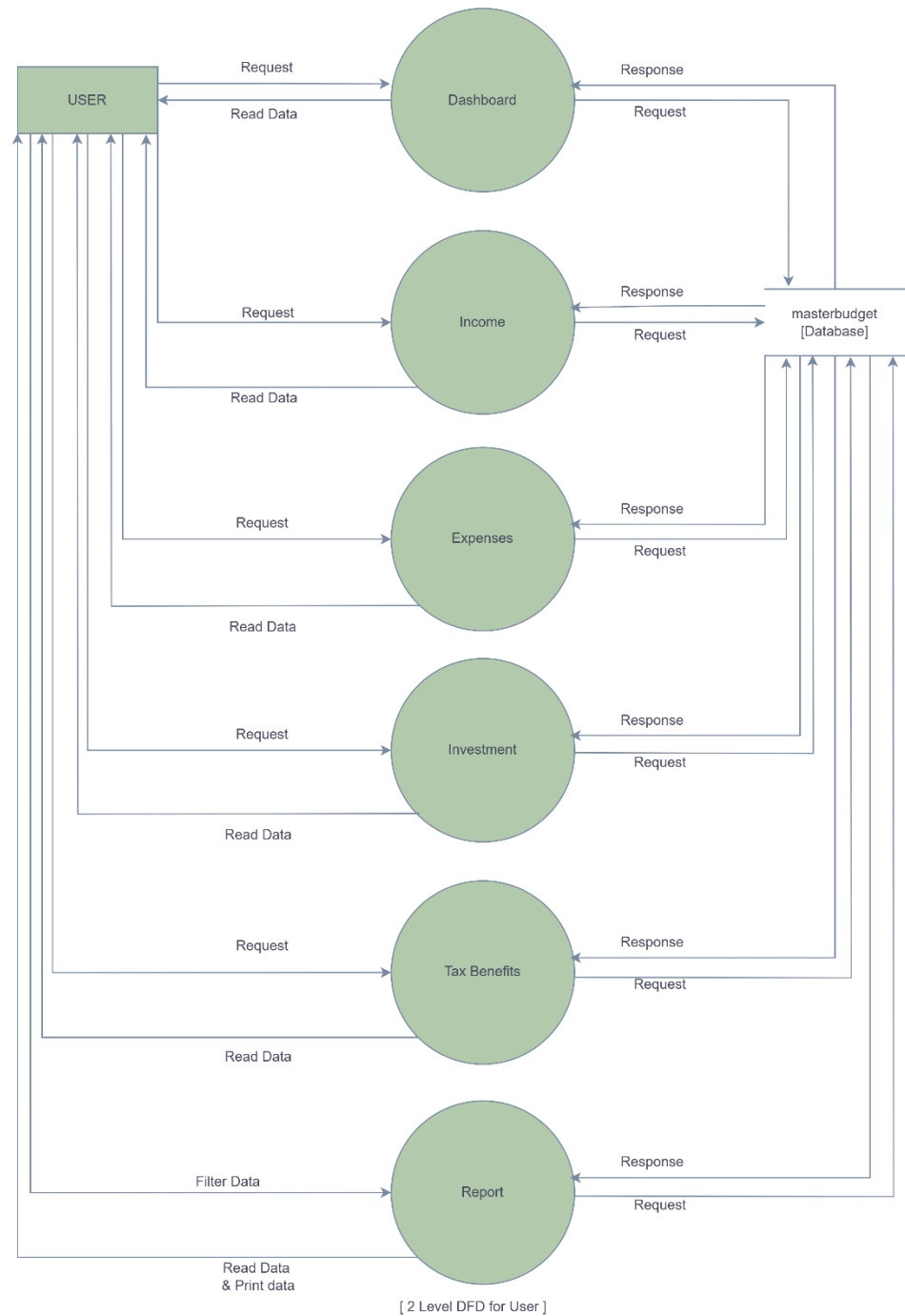
1.2.2 1st Level DFD for User



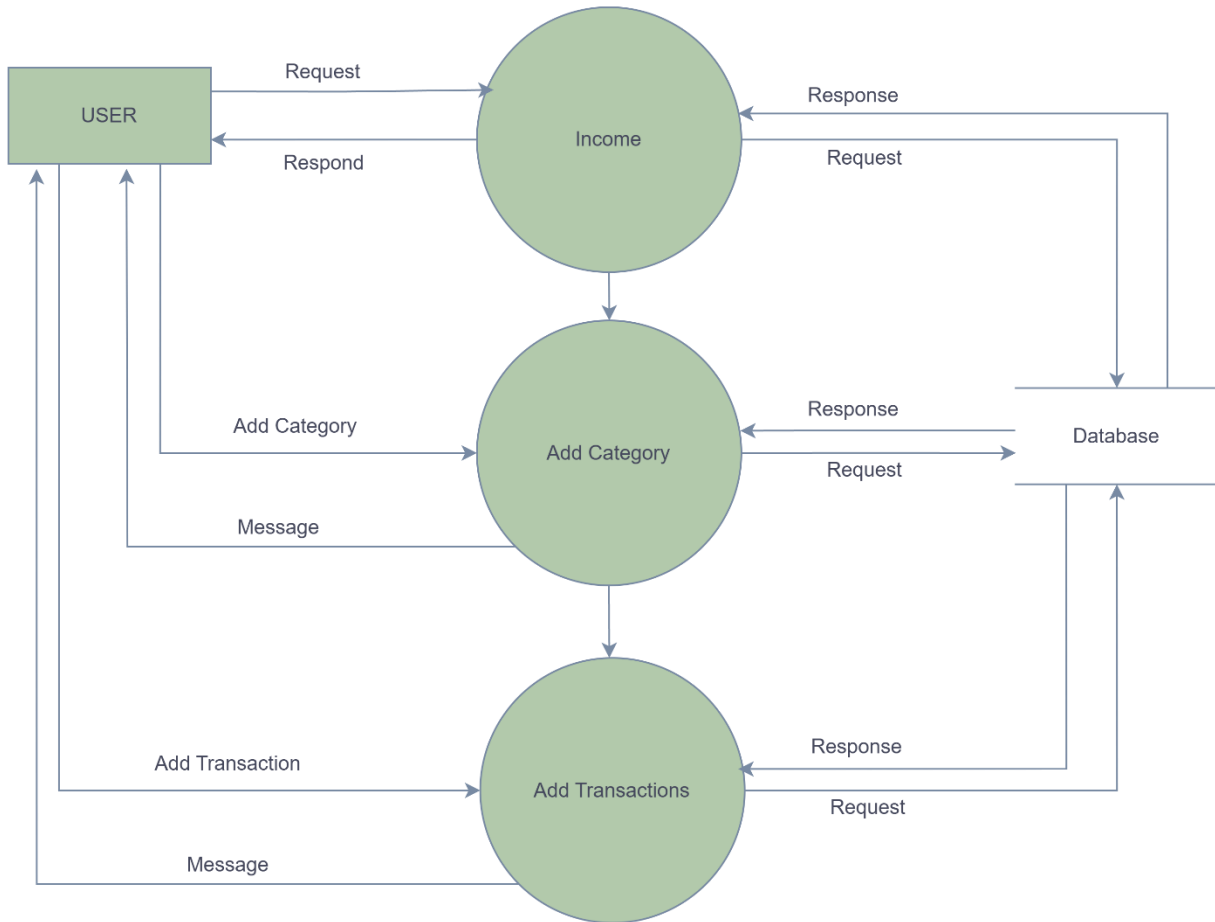
[1 Level DFD for User]

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1.2.2.1 2^{dn} Level DFD for User

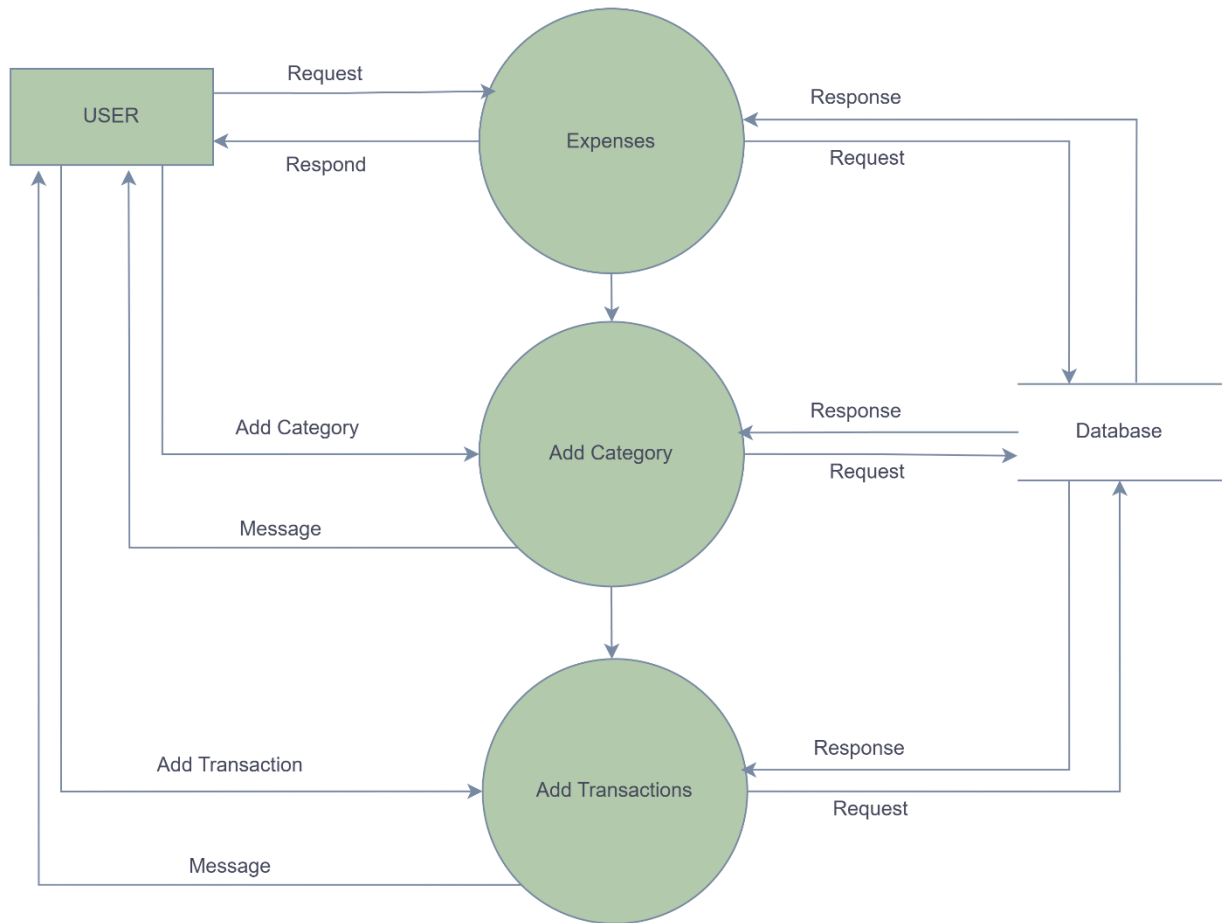


1.2.2.2 3rd Level DFD for User in Income



[3 Level DFD for User in Income]

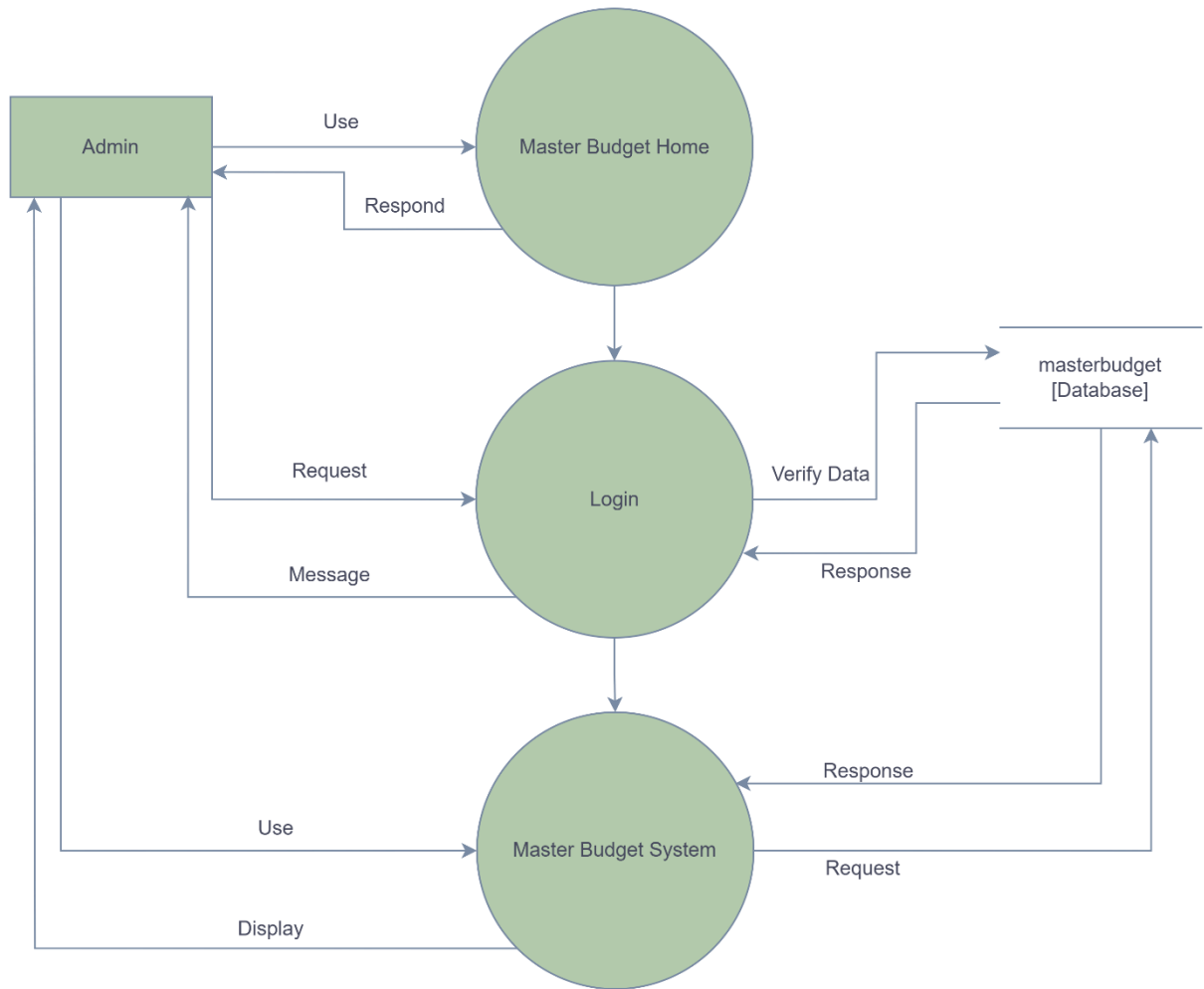
1.2.2.3 3rd Level DFD for User in Expenses



[3 Level DFD for User in Expenses]

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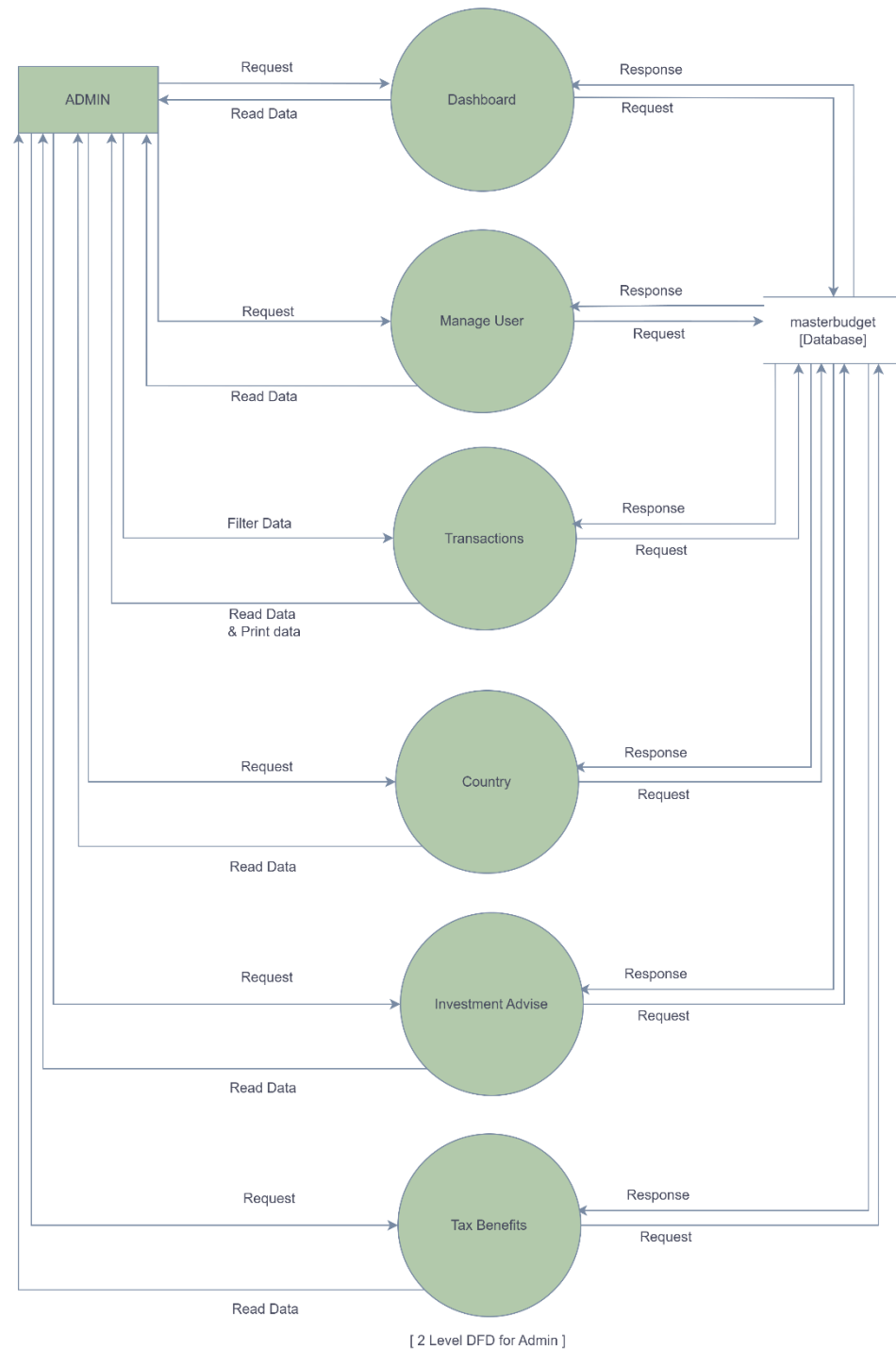
1.2.3 1st Level DFD for ADMIN



[1 Level DFD for User]

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1.2.4 2nd Level DFD for ADMIN



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2 SCREEN LAYOUT

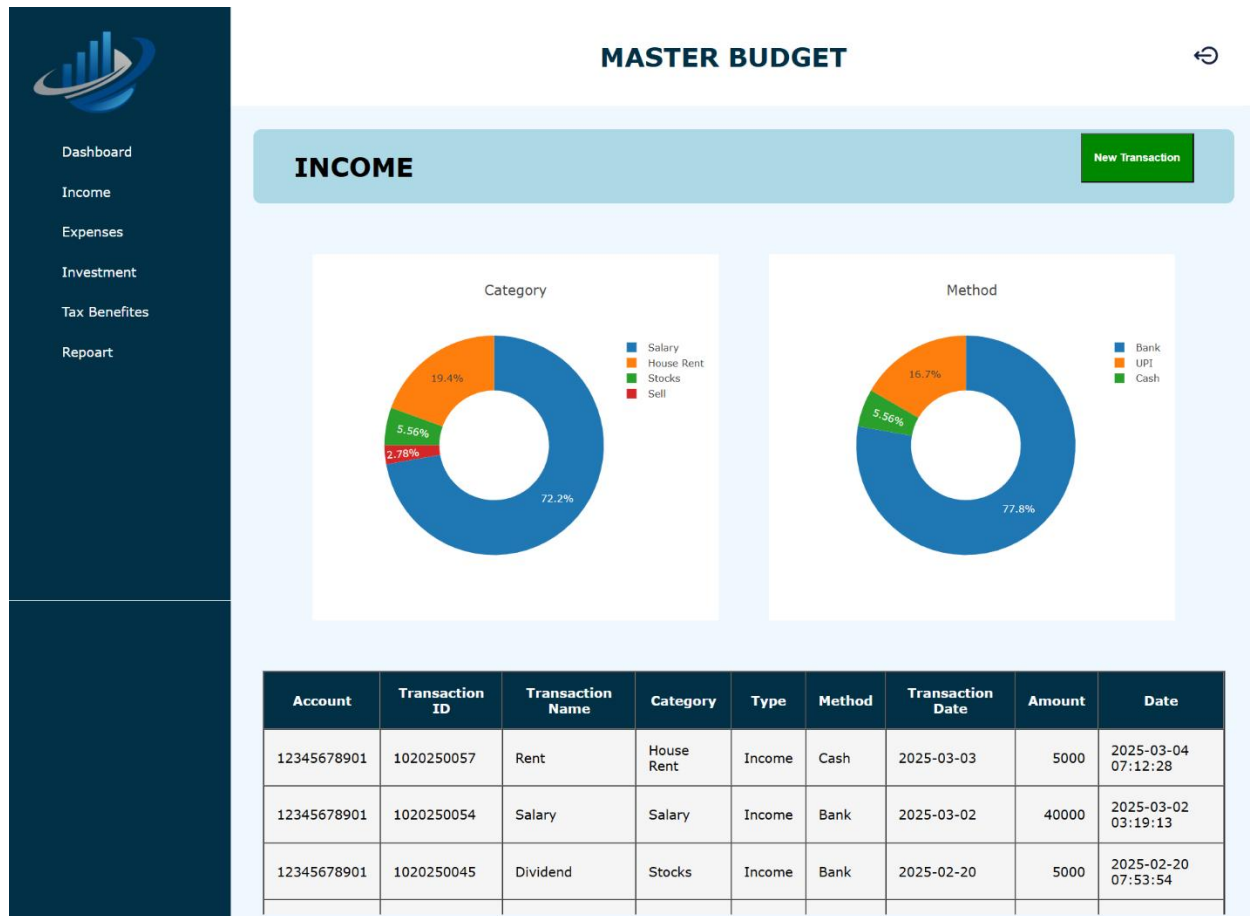
2.1 Dashboard Page



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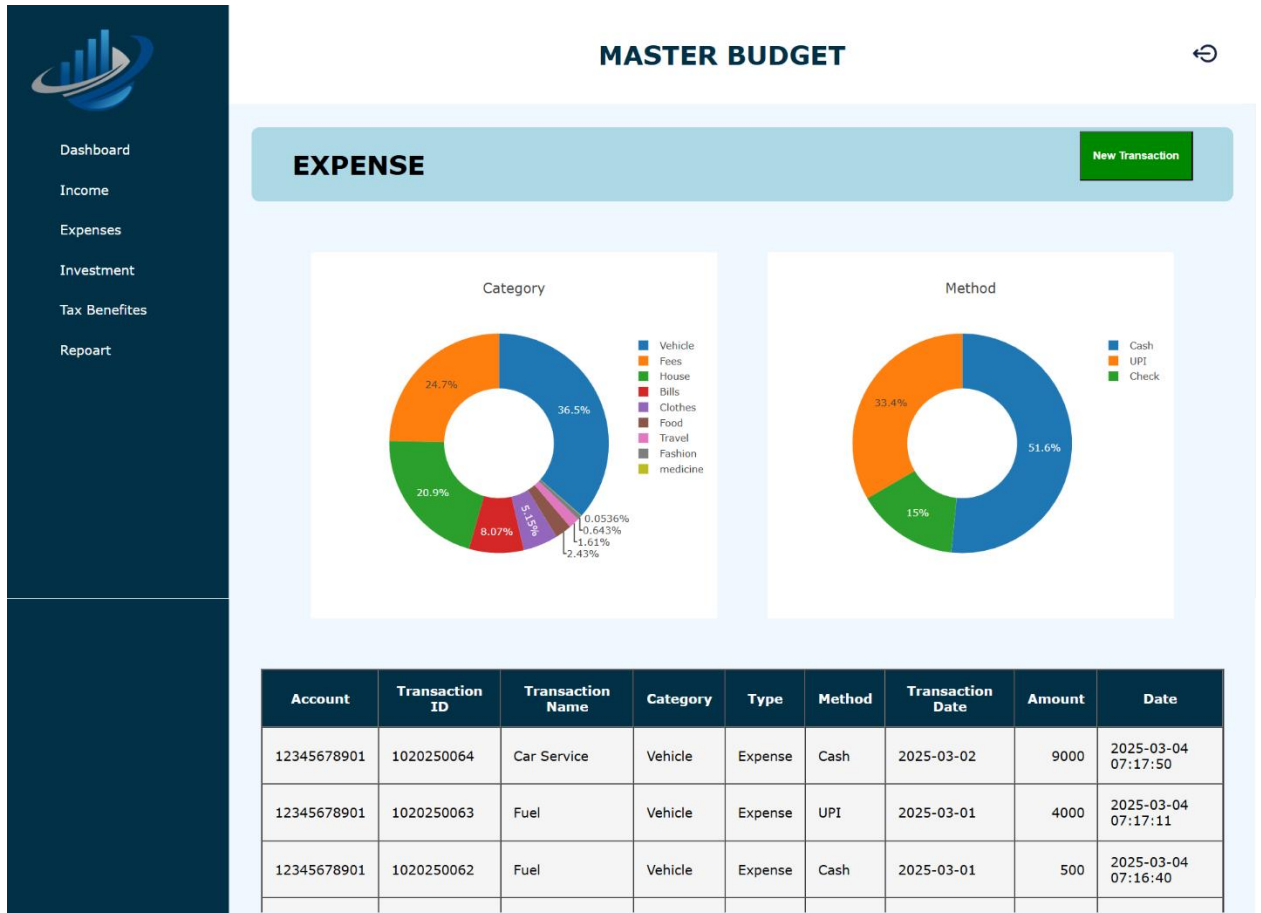
2.2 Income Page



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2.3 Expenses Page



2.4 Investment Page



- Dashboard
- Income
- Expenses
- Investment
- Tax Benefites
- Report

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INVESTMENT

1

Fixed Deposits

A fixed deposit (FD) is a tenured deposit account provided by banks or non-bank financial institutions which provides investors a higher rate of interest than a regular savings account, until the given maturity date. It may or may not require the creation of a separate account. The term fixed deposit is most commonly used in India and the United States.

2

Mutual Fund

A mutual fund is a company that pools money from many investors and invests the money in securities such as stocks, bonds, and short-term debt. The combined holdings of the mutual fund are known as its portfolio. Investors buy shares in mutual funds. Each share represents an investor's part ownership in the fund and the income it generates.

3

Debt Funds

Debt funds invest in securities that generate fixed income, like treasury bills, corporate bonds, commercial papers, government securities, and many other money market instruments. All these instruments have a pre-decided maturity date and interest rate that the buyer can earn on maturity - hence the name fixed-income securities. The returns are usually not affected by fluctuations in the market. Therefore, debt securities are considered to be low-risk investment options.

4

Post Office Time Deposit

The post-office term deposit (POTD) is similar to a bank fixed deposit, where you save money for a definite time period, earning a guaranteed return through the tenure of the deposit. At the end of the deposit's tenure, the maturity amount comprises the capital deposited and the interest it earns.

5

SIP

A "SIP" (Systematic Investment Plan) means regularly investing a fixed amount of money into a mutual fund each month, essentially allowing you to buy more units when the market is low and fewer when it's high, effectively averaging out your purchase price and mitigating market volatility; for example, if you set up a ₹5,000 SIP in a mutual fund with a current NAV (Net Asset Value) of ₹50, you'd buy 100 units this month, but if the NAV drops to ₹40 next month, you'd buy 125 units with the same ₹5,000, lowering your overall average cost per unit.

6

Public Provident Fund (PPF)

The Public Provident Fund (PPF) is the best investment option in India for the long-term. It offers tax-exempt contributions, interest, and withdrawals, ensuring tax efficiency.

7


Gold

Gold has a long and rich cultural significance in India. It is often seen as a symbol of wealth, prosperity, and good luck, making gold and gold assets the best investment option for many Indians.

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2.5 Report Page




- Dashboard
- Income
- Expenses
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- Tax Benefites
- Repoart

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Transactions



1020250007	Fuel	Expense	Vehicle	Cash	Fuel	2025-01-26	2025-02-03 06:33:18	200
1020250009	Travel	Expense	Travel	UPI	Travel	2025-01-25	2025-02-03 06:33:18	1500
1020250011	Gas bill	Expense	Bills	UPI	Gas bill	2025-01-25	2025-02-03 06:33:18	810
1020250013	panipuri	Expense	Food	Cash	panipuri	2025-01-25	2025-02-03 06:33:18	60
1020250017	bike repair	Expense	Vehicle	Cash	bike repair	2025-01-26	2025-02-03 06:33:18	300
1020250019	Grocery	Expense	House	Check	Grocery	2024-12-30	2025-02-03 06:33:18	2000

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