

**Introduction:** This budget management data is solution is describing about the monthly money flow control. In which we are making a track of every month income, expanses, investment and savings for the future.

Supposes someone earning monthly income from the different-different resources such as job, business, home rent etc. from which person generating his monthly income and expanding every month for his daily use and out and if he had taken some investment policy then it is also making a track of that such as which data he had submitted the amount how much amount he had submitted etc. and it also makes a record of his monthly saving based on that a person can make his retirement plan.

### Detailed Analysis of the database:

In this analysis, we are going to discuss about tables and forms and report which we are using in the database.

**Monthly Income:** This table is collecting the information about income of the person the view of the table is given below. Here ID is the primary key of the table monthly income and Month\_ID will be used as the foreign key for the table Month, by which we can insert the records.

Monthly Income					
ID	Month	Income_Sou	Income	Month_ID	
1	Jan	Salary	\$45,000.00		
2	Feb	Sal	\$48,000.00		
3	Jan	Business	\$50,000.00		
*(New)			\$0.00	0	

**Monthly Expanses:** This table is collecting the information aobut the monthly expanses of the person.

Montly Expanses				
ID	Purchased_It	Date	Amount_Expanses	Month_ID
1	Car	11/8/2020	\$100,000.00	
*(New)			\$0.00	0

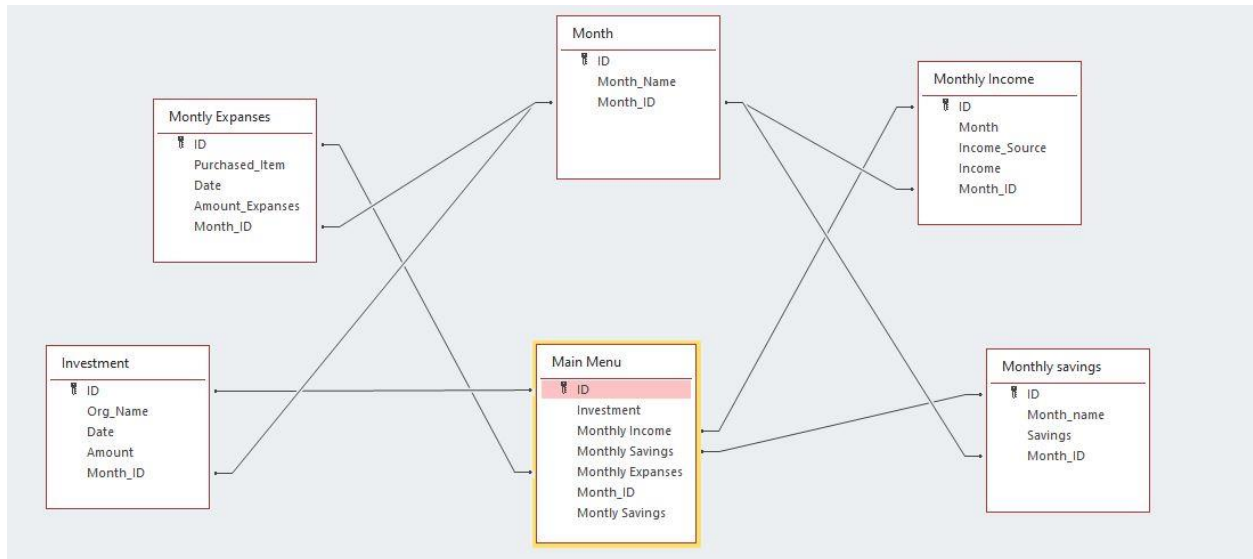
**Investment:** This table is collecting the inforamtion of the person, that if he is investing certain sum of money, then we can make a track of that.

Investment					
ID	Org_Name	Date	Amount	Month_ID	C
1	LIC	11/8/2020	\$5,000.00	1	
2	FD	11/8/2020	\$2,000.00	1	
*(New)			\$0.00	0	

**Monthly Savings:** This tables is collecting and mainting the information related to the monthly saving of the person.

Monthly savings			
ID	Month_name	Savings	Month_ID
1	Jan	\$5,000.00	
2	Jan	\$1,222.00	
(New)		\$0.00	0

**ER diagram:** The ER diagram of the database is given below-

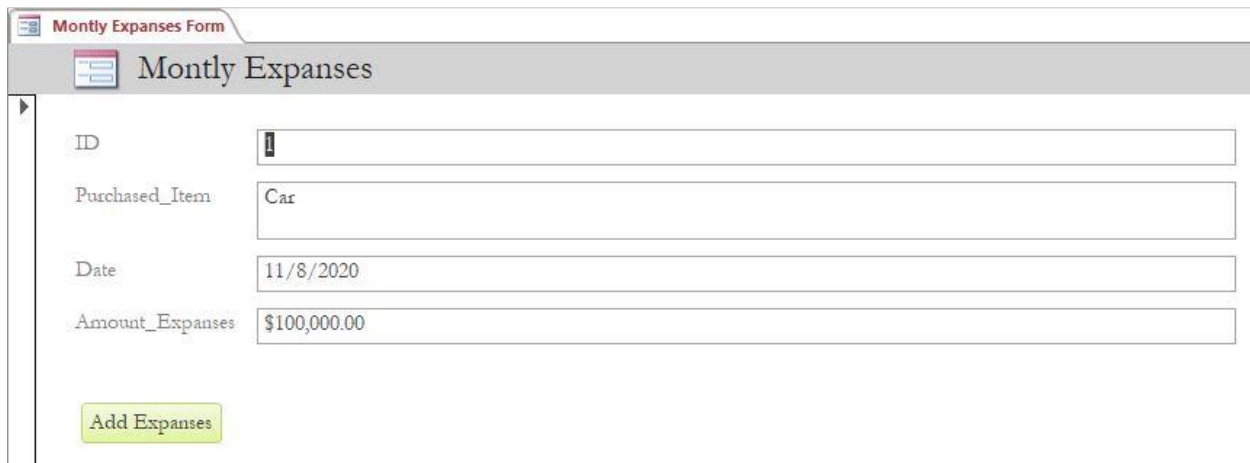


### Form Analysis:

**Income form:** The given monthly income form is providing the user interface for the insertion of the data for the particular month in which certain fields are given.

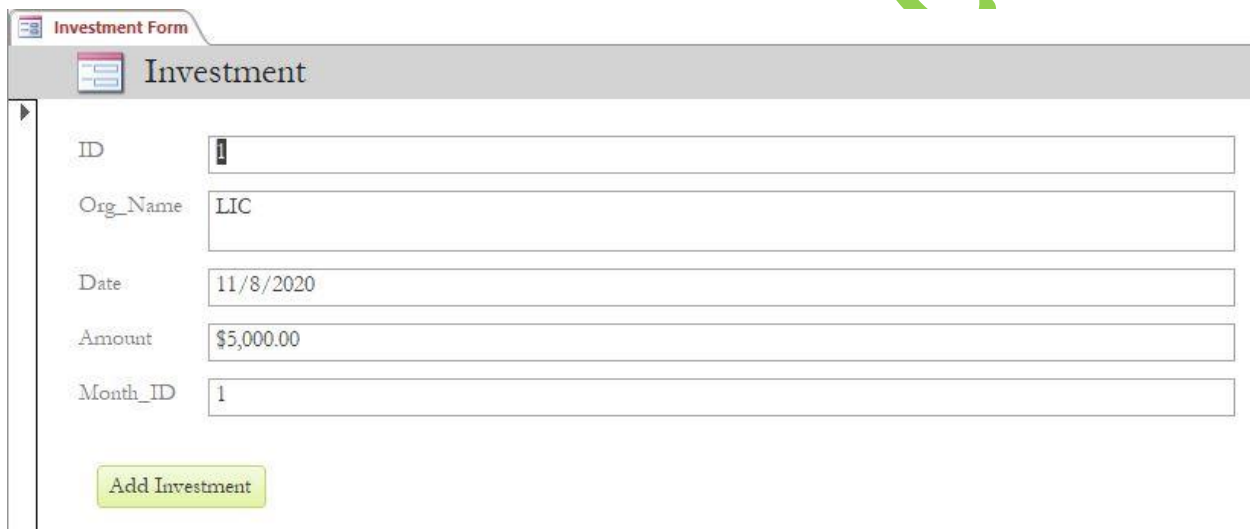
Monthly Income	
ID	<input type="text" value="1"/>
Month	<input type="text" value="Jan"/>
Income_Source	<input type="text" value="Salary"/>
Income	<input type="text" value="\$45,000.00"/>
<input type="button" value="Add Income"/>	

**Monthly Expenses:** This particular user interface is providing the information related to monthly expenses. By which we can insert the records.



The screenshot shows a web application window titled "Monthly Expenses Form". Below the title bar is a header section with a tab icon and the text "Monthly Expenses". The main content area contains four input fields: "ID" with the value "1", "Purchased\_Item" with the value "Car", "Date" with the value "11/8/2020", and "Amount\_Expenses" with the value "\$100,000.00". At the bottom of the form is a green button labeled "Add Expenses".

**Investment Form:** This particular user interface is providing the information regarding the investment, by which we can insert the investment records.



The screenshot shows a web application window titled "Investment Form". Below the title bar is a header section with a tab icon and the text "Investment". The main content area contains five input fields: "ID" with the value "1", "Org\_Name" with the value "LIC", "Date" with the value "11/8/2020", "Amount" with the value "\$5,000.00", and "Month\_ID" with the value "1". At the bottom of the form is a green button labeled "Add Investment".

**Monthly Savings:** This particular user inter interface is providing the information about the monthly income.



The screenshot shows a web application window titled "Saving Form". Below the title bar is a header section with a tab icon and the text "Monthly savings". The main content area contains three input fields: "ID" with the value "1", "Month\_name" with the value "Jan", and "Savings" with the value "\$5,000.00". At the bottom of the form is a green button labeled "Add Savings".

**Monthly Savings:** This particular user interface is providing the information about the monthly savings of the person.

**Saving Form**

### Monthly savings

ID	1
Month_name	Jan
Savings	\$5,000.00

**Add Savings**

**Main Menu Query:** This particular user interface is providing the information about the overview of the records.

**Main Menu**

### Main Menu Query

ID	1
Monthly Income	\$45,000.00
Monthly Expenses	\$5,000.00
Monthly Expenses	#Name?
Investments	\$5,000.00
Savings	\$5,000.00
Month_ID	0
Monthly Savings	1

**Save**

**Budget Management:** This user interface is providing the quick access of the user interface by which we can insert a new records in the database, which will redirect to the given form by which we can insert the records in the database table.

## Budget Management

Add Income details

Add Expenses Details

Add Investment Details

Add Saving Details

Main Menu

Open Report

**Conclusion:** This database is making of the track of the flow of the money, and based on the management of the flow of the money we can make the plan for the next investment or the retirement, which can be secure the future requirements.