* Tables :-

1. account
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4. expense
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8. library
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11. user
12. account :-

CREATE TABLE account (

account\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NULL,

account\_type VARCHAR(50) NULL,

balance DECIMAL(10,2) NULL,

liabilities DECIMAL(10,2) NULL,

FOREIGN KEY (user\_id) REFERENCES [user](user\_id)

);

1. budget :-

CREATE TABLE budget (

budget\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NULL,

expense\_category VARCHAR(100) NULL,

amount DECIMAL(10,2) NULL,

FOREIGN KEY (user\_id) REFERENCES [user](user\_id)

);

1. class :-

CREATE TABLE class (

StudentID INT NOT NULL PRIMARY KEY,

Name VARCHAR(50) NOT NULL,

RollNo INT NULL

);

1. expense:-

CREATE TABLE expense (

expense\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NULL,

account\_id INT NULL,

expense\_date DATE NULL,

expense\_category VARCHAR(100) NULL,

remark VARCHAR(100) NULL,

amount DECIMAL(10,2) NULL,

FOREIGN KEY (user\_id) REFERENCES [user](user\_id),

FOREIGN KEY (account\_id) REFERENCES account(account\_id)

);

1. expense\_category :-

CREATE TABLE expense\_category (

category\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NULL,

category\_name VARCHAR(100) NULL,

FOREIGN KEY (user\_id) REFERENCES [user](user\_id)

);

1. income :-

CREATE TABLE income (

income\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NULL,

account\_id INT NULL,

income\_date DATE NULL,

income\_source VARCHAR(100) NULL,

amount DECIMAL(10,2) NULL,

FOREIGN KEY (user\_id) REFERENCES [user](user\_id),

FOREIGN KEY (account\_id) REFERENCES account(account\_id)

);

1. income\_source :-

CREATE TABLE income\_source (

source\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NULL,

source\_name VARCHAR(100) NULL,

FOREIGN KEY (user\_id) REFERENCES [user](user\_id)

);

1. library :-

CREATE TABLE library (

Rollno INT NOT NULL PRIMARY KEY,

Name VARCHAR(50) NULL,

StudentID INT NULL,

FOREIGN KEY (StudentID) REFERENCES class(StudentID)

);

1. target\_amount :-

CREATE TABLE target\_amount (

target\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NULL,

amount DECIMAL(10,2) NULL,

FOREIGN KEY (user\_id) REFERENCES [user](user\_id)

);

1. transaction :-

CREATE TABLE transaction (

transaction\_id INT IDENTITY(1,1) PRIMARY KEY,

account\_id INT NULL,

type VARCHAR(10) NULL,

amount DECIMAL(10,2) NULL,

statement VARCHAR(255) NULL,

time DATETIME NOT NULL DEFAULT GETDATE(),

FOREIGN KEY (account\_id) REFERENCES account(account\_id)

);

1. user:-

CREATE TABLE [user] (

user\_id INT IDENTITY(1,1) PRIMARY KEY,

name VARCHAR(100) NULL,

username VARCHAR(50) NULL,

password VARCHAR(100) NULL,

CONSTRAINT unique\_username UNIQUE (username)

);