DDL (Database Design Language)

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Create table User
(userID int auto_increment not null,
userFirstName varchar(10) not null,
userLastName varchar(15) not null,
userEmail varchar(25) not null,
DOB Date,
notif_Freq varchar(6) check (notif_Freq in ('Low', 'Medium',
'High')),
primary key (userID)
) Engine=InnoDB;

Create table BankAccount
(accountID numeric (11,0),
currentBalance numeric(9,2),
accountType varchar(11) check (accountType in ('Savings', 'Checkings',
'MoneyMarket')),
routingNumber numeric(9,0),
bankName varchar(15),
primary key (accountID)
) Engine=InnoDB;

Create table UserAccount
(userID int not null,
accountID numeric (11,0),
isCoOwned TINYINT(1),
primary key(userID, accountID),
foreign key(userID) references User(userID),
foreign key(accountID) references BankAccount(accountID) on update cascade
)Engine=InnoDB;

Create table Income
(incomeID int auto_increment not null,
orgOfGain varchar(7),
amountGained numeric (8,2),
isReocurring tinyint(1),
dateDeposited datetime,
accountID numeric(11,0),
primary key (incomeID),
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    foreign key(accountID) references BankAccount(accountID) on delete cascade
)Engine=InnoDB;

Create table Expense
(expenseID int auto_increment not null,
orgOfLoss varchar(7),
amountLost numeric(8,2),
dateRemoved datetime,
accountID numeric(11,0),
primary key(expenseID),
foreign key(accountID) references BankAccount(accountID) on delete cascade
)Engine=InnoDB;


Create table PlannedExpense
(plannedExpID int auto_increment not null,
categories varchar(12) check (categories in ('Rent',
'Subscription', 'Vacation')),
dueDate Date,
expenseID int,
primary key(plannedExpID),
foreign key(expenseID) references Expense(expenseID) on delete cascade
)Engine=InnoDB;

Create table UnplannedExpense
(unplannedExpID int auto_increment not null,
recitePicID int,
expenseID int,
primary key(unplannedExpID),
foreign key(expenseID) references Expense(expenseID) on delete cascade
)Engine=InnoDB;

Create table Notification
(notifID int auto_increment not null,
howReceived varchar(6) check (howReceived in ('Email', 'Text')),
notifDescrip varchar(30) not null,
dateSent datetime,
userID int,
primary key(notifID),
foreign key(userID) references User(userID) on delete cascade
)Engine=InnoDB;
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Create Table UrgentNotif
(urgentNotifID int auto_increment not null,
reasonSent varchar(15) check (reasonSent in ('Low Balance', 'Bills Due',
'High Spending')),
notifID int,
primary key(urgentNotifID),
foreign key(notifID) references Notification(notifID) on delete cascade
)Engine=InnoDB;

Create table WeeklyNotif
(weeklyNotifID int auto_increment not null,
overviewImageID int,
notifID int,
primary key(weeklyNotifID),
foreign key(notifID) references Notification(notifID) on delete cascade
)Engine=InnoDB;

Create table FinancialAdvisor
(advisorID int auto_increment not null,
firstName varchar(8) not null,
lastName varchar(12) not null,
availability varchar(9) check (availability in ('M-W-F', 'T-TH',
'Weekend')),
DOB date,
primary key(advisorID)
)Engine=InnoDB;

Create table Meeting
(meetingID int not null,
meetTime datetime,
meetingPurpose varchar(60),
advisorID int,
primary key(meetingID),
foreign key(advisorID) references FinancialAdvisor(advisorID)
)Engine=InnoDB;

Create table Schedule
(userID int,
meetingID int,
primary key(userID, meetingID),
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foreign key(userID) references User(userID),
foreign key(meetingID) references Meeting(meetingID) on delete cascade
)Engine=InnoDB;
```