Banking Application

Instructions:

1. Please feel free to use any .net web application type for building the banking application. You are free to use any client-side script library. Please feel free to design the SQL server database as per your need.
2. Please let us know the step by step approach taken for design and development of the application in brief (in word document).
3. Please zip and submit the code and database file to Github and let us know the location. Also let us know any username and password required to download the code or for the database.

Requirements:-

Following are the features in the application.

1. Application should provide the list of all the account holders along with their balances.
2. Application should provide the facility to transfer funds from one account to another.
3. Application should provide the list of all the transactions.

Here are the detailed requirements.

1. Accounts page:- This page should list down all the accounts in the application. An account record should have at least Name and Balance fields. The application user should be able to Add/Edit/Delete any account from this screen.

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All Accounts

Create New

AccountName	Balance	
Account 1	90100.00	Edit | Details | Delete
Account 2	0.00	Edit | Details | Delete
Account 3	30000.00	Edit | Details | Delete

Create

Account

AccountName

Balance

Create

Back to List

Edit

Account

AccountName

Account 1

Balance

90100.00

Save

Back to List

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Delete

Are you sure you want to delete this?

Account

AccountName	Account 3
Balance	30000.00

Delete | Back to List

2. Transfer Fund screen:- User should be able to transfer funds from one account to another. Application should check for whether amount to transfer is between $1 & $10000 and if sufficient funds are available in the account. If all validations are good then amount should debited from 1st account (From Account) and credited to second account(To Account). A transaction record should be maintained for each transaction. A transaction record should have at least following fields [FromAccount], [ToAccount], [TransactionTime], [Amount], [FromAccountBalance], [ToAccountBalance]. (these balances are as of before the transfer)

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Transfer Funds

From Account Account 3 ▾ **To Account** Account 1 ▾ **Amount to transfer** 10   Transfer

3. Transactions screen :- This should list down all the transactions.

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All Transactions

From Account	To Account	Transaction Time	Amount debited	From Account Balance	To Account Balance	
Account 2	Account 1	11-05-2020 14:52:39	10.00	20000.00	100000.00	Details
Account 1	Account 3	11-05-2020 15:03:28	10.00	100010.00	100.00	Details
Account 1	Account 3	11-05-2020 15:04:05	20.00	100000.00	110.00	Details
Account 3	Account 2	11-05-2020 15:04:35	100.00	130.00	19990.00	Details
Account 3	Account 2	11-05-2020 15:04:49	30.00	30.00	20090.00	Details
Account 1	Account 3	11-05-2020 15:05:06	10000.00	99980.00	0.00	Details
Account 2	Account 3	11-05-2020 15:05:48	10000.00	20120.00	10000.00	Details
Account 2	Account 3	11-05-2020 15:06:00	10000.00	10120.00	20000.00	Details

4. Home Page:- Home page should have links to following.
    a. "View all Accounts here." – This should go to screen #1 to list all accounts
    b. "Initiate a Transfer here" – This should go to screen #2 where user can transfer funds
    c. "View all transactions here" – This should go to screen #3 to list all transactions.

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Welcome to banking app

View all Accounts here.

Initiate a transfer here.

View all Transactions here.