**INTRODUCTION**

You are the IT department head for Zigma Banking solutions. Management decided to alter their online banking services to a next level. Current website will provide the option for their customers to login into the website and check their account balance and other details only. Now Company decided to provide online money transfer facilities and many other services to their customers. You have been assigned the task of creating a new website for the bank with additional facilities.

**Proposed System**

There are two types of roles in the system.

Administrator and Customer.

When customer creates a new account a banking kit will be provided to the customers, which includes the account details like a/c no, internet banking password and CRN(Customer relationship number).CRN will be the unique identification for the customers which cannot be changed.

First time when the customer login into the website with the provided credentials he/she will be redirected to Registration page where customers has to provide all personal details including Mobile number, email id and he/she has to set a new password. Along with the details customer has to set a new password for transaction. Once the registration has completed successfully customer details will be recorded in the database and will link with the a/c for further banking operations.

After linking to the bank a/c customer can login into the bank with the new credentials.

**The bank should offer following services to the customers**

* The home page should display the last login details of the customer
* It should display basic account details like a/c no Branch name and the current balance.
* Adding the beneficiary with nick name which can be used to transfer the money.
* Adding beneficiary will include all the details include the a/c no,bank details including the IFSC code
* Once the beneficiary added by customer it should be get approved from the bank to perform further operations
* Fund transfer can be performed once the beneficiary has successfully linked with your account.
* To perform the fund transfer customer will prompt to enter the transaction password which has been set during the first time registration
* During the fund transfer customer will get the list of beneficiary to select and details should displayed automatically
* Easy money transfer should be there between the customers of the same branch where directly you can transfer money without adding as beneficiary
* **Transaction details**
  + Customer should able to view the transaction details by providing the start date and end date.
  + Customer should able to get a print out of details also
* Customer should also provided with the facility to update his details like address, mobile number and password whereas transaction password can’t be updated.
* Email notification should be provided where ever required
* Optionally(SMS communication)

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**Administrator services**

* Administrator can log into the system with the provided credentials but on successful login he/she will be navigated to administrator’s home page which will provide options to manage the banking operations
* Administrator should get the list of pending beneficiaries and he/she need to approve that by checking the authenticity. If the account number is not genuine he can reject also
* Administrator should have option to deposit and withdraw money from the a/c for the daily direct banking operations.
* Administrator should have option to freeze the account in critical situations so that customer can’t perform any banking operations.

**Design Implemenations:**

* Use of Master pages to implement easy navigation and uniqueness to the pages
* AJAX needs to implement in order to avoid complete post back of the pages.
* In order to increase the end user experience JQuery has to be used for designing the pages
* Users must be able to go to any screen with minimum mouse-clicks.

**General instructions:**

* Repository Pattern with EF core
* Microsoft coding standards