**CURRENCY TRANSFER**

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| **1** | **Name of the Project** | **Currency Transfer** | |
| ***2*** | **Problem Statement** | Initiate Transfer - Create and Confirm (UI + API)  o Customer should be able to initiate Inter Account transfer between same currencies for the below combination:   Multi Currency to Multi Currency account  o The ability to transfer between any two currencies between two different accounts and even within the same multi-currency account where they meet the below criteria and the base currency is either one of the debit/credit currency being transacted :   Base currency (GBP, USD or EUR) to remaining Exotic currencies (Total count of currencies = 33) | |
| **3** | **Objective/ Vision** | Design a platform for currency transfer between and within bank accounts. This provides option to transfer between same and multi-currency based on the customers requirement and provides information about the bank account and the previous transactions in the account. | |
| **4** | **Users of the System** | Customers | |
| **5.** | **Assumptions** | 1. Customers can create new account or use existing account. | |
| ***6*.** | **Functional Requirements** | 1. Customers should login or register with the platform. While registering, customer need to provide the following information 2. Email-id – (@Id) 3. Name 4. Address 5. Account no. 6. Mobile no. 7. Password   2. Customer should login.  3. Customer can access the following services:   1. Profile Edit 2. Add beneficiary 3. Transaction History 4. Fund Transfer 5. Account Balance   4. Currency exchange Protocol should be followed (Base currency (GBP, USD or EUR) to remaining Exotic currencies (Total count of currencies = 33) | |
| **7.** | **Non-functional requirements** | 1. App should be responsive to display consistently across multiple device screens. 2. There will be an authentication done for each Login 3. UI should be user friendly | |
| **8.** | **Tools and Technologies to be used** | | 1. Frontend - Angular 2. Backend - Spring Boot 3. Database - MySQL |
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Components of the Project

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| Database Models | Description |
| **Customer** | Email-id – (@Id)  Name  Address  Account no.  Mobile no.  Password |
| **Balance** | Email-id  All 33 currencies |
| **Transaction history** | Time and date  Transaction-id  Account no  From account  To account |

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| Services | Description |
| **Customer** | RegisterCustomer (Sign Up)  UpdateCustomer (Profile Edit)  ValidateCustomer (Log In)  GetDetails (Profile page display) |
| **Balance** | ShowBalance |
| **Transaction** | ShowTransaction |

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| UI Components | Description |
| **Login** | Customer perform login using this component |
| **Signup** | Customer can sign up using this component |
| **Edit Profile** | Customers can edit personal info such as name, mobile and password. |
| **Show Profile** | Displays the profile details |
| **Customer Profile** | Represents the available services to the customer and shows user account details |
| **Customer Balance** | Show the balance of the user |
| **Transaction History** | Table of history of transactions. |
| **Fund Transfer** | Display the cards of each currency |
| **Currency Card** | Display the balance with click function |
| **Currency edit opener** | Open dialog box to make transaction |

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| Other Suggestions |  |
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