Banking Application API Documentation

Overview

The Banking Application API allows you to manage bank accounts, process transactions, and transfer funds between accounts. Below is the detailed documentation of the available endpoints.

<mark>API Endpoints</mark>

1. Create Account

Endpoint: POST /api/accounts/create-account

Description: Create a new bank account.

Request Body:

json

```
{

   "accountNumber": "string",

   "accountHolderName": "string",

   "balance": "double"

}
```

Response:

json

```
{

   "id": "long",

   "accountNumber": "string",

   "accountHolderName": "string",

   "balance": "double"

}
```

Response Code:

201 Created: For successful account creation

2. Get Account by ID

Endpoint: GET /api/accounts/{id}

Description: Retrieve account details by ID.

Path Parameter:

id (long): ID of the account.

Response:

json

```
{

   "id": "long",

   "accountNumber": "string",

   "accountHolderName": "string",

   "balance": "double"

}
```

Response Code:

200 OK : Account fetched successfully.

3. Deposit Amount

Endpoint: PUT /api/accounts/{id}/deposit

Description: Deposit an amount into the account.

Path Parameter:

id (long): ID of the account.

Request Body:

json

```
{

   "amount": "double"

}
```

Response:

json

```
{
```

```
    "id": "long",

    "accountNumber": "string",

    "accountHolderName": "string",

    "balance": "double"

}
```

Response Code:

200 OK: Amount deposited successfully.

4. Withdraw Amount

Endpoint: PUT /api/accounts/{id}/withdraw

Description: Withdraw an amount from the account.

Path Parameter:

id (long): ID of the account.

Request Body:

json

```
{

    "withdraw_amount": "double"

}
```

Response:

json

```
{

    "id": "long",

    "accountNumber": "string",

    "accountHolderName": "string",

    "balance": "double"

}
```

Response Code:

200 OK: Amount withdrawn successfully

5.Get All Accounts

Endpoint: GET /api/accounts

Description: Retrieve a list of all accounts.

Response:

json

```
[
  {
    "id": "long",
    "accountNumber": "string",
    "accountHolderName": "string",
    "balance": "double"
  }
]
```

Response Code:

200 OK: All accounts feteched successfully.

6. Delete Account

Endpoint: DELETE /api/accounts/delete/{id}

Description: Delete an account by ID.

Path Parameter:

id (long): ID of the account.

Response:

json

```
{
  "message": "Account deleted successfully"
}
```

Response Codes:

200 OK: For successful account deletion.

7. Transfer Funds

Endpoint: POST /api/accounts/transfer

Description: Transfer funds between accounts.

Request Body:

json

```
{

    "fromAccountId": "long",

    "toAccountId": "long",

    "amount": "double"

}
```

Response:

json

```
{

    "message": "Transfer processed successfully"

}
```

Response Code

200 OK: : For successful fund transfer.

8. Get Account Transactions

Endpoint: GET /api/accounts/{accountId}/transactions

Description: Retrieve all transactions for a specific account.

Path Parameter:

accountId (long): ID of the account.

Response:

json

```
[

  {

      "transactionId": "long",
```

```
        "accountId": "long",

        "transactionType": "string",

        "amount": "double",

        "timestamp": "string"

    }

]
```

Response Codes:

200 OK: Transactions retrieved successfully.