BankAPI Documentation

**Banking API Backend Reference**

**1. Auth Endpoints**

**1.1 Login**

* **Endpoint:** /api/auth/login
* **Method:** POST
* **Headers:** Content-Type: application/json
* **Body:**

{

"username": "admin",

"password": "admin123"

}

* **Response Example:**

{

"token": "<JWT\_TOKEN>",

"username": "admin",

"role": "Admin"

}

* **Notes:** Returns JWT token. No authorization header required.

**2. Admin Endpoints (Requires Admin JWT)**

**2.1 Get Users**

* **Endpoint:** /api/admin/users
* **Method:** GET
* **Headers:** Authorization: Bearer <JWT\_TOKEN>
* **Body:** None
* **Response Example:**

[

{"userId":1, "username":"admin", "role":"Admin"},

{"userId":2, "username":"john", "role":"Customer"}

]

**2.2 Create Customer**

* **Endpoint:** /api/admin/create-customer
* **Method:** POST
* **Headers:** Authorization: Bearer <JWT\_TOKEN>, Content-Type: application/json
* **Body:**

{

"username": "alice",

"password": "alice123",

"name": "Alice Smith",

"email": "alice@example.com",

"phone": "9876543210"

}

* **Response Example:**

{

"message": "Customer created"

}

**3. Customer Endpoints (Requires Customer JWT)**

**3.1 Get My Accounts**

* **Endpoint:** /api/account/my-accounts
* **Method:** GET
* **Headers:** Authorization: Bearer <JWT\_TOKEN>
* **Body:** None
* **Response Example:**

[

{"accountId":1, "accountType":"Savings", "balance":5000},

{"accountId":2, "accountType":"Current", "balance":10000}

]

**3.2 Deposit Money**

* **Endpoint:** /api/account/deposit
* **Method:** POST
* **Headers:** Authorization: Bearer <JWT\_TOKEN>, Content-Type: application/json
* **Body:**

{

"accountId": 1,

"amount": 1000

}

* **Response Example:**

{

"message": "Deposit successful",

"balance": 6000

}

**3.3 Withdraw Money**

* **Endpoint:** /api/account/withdraw
* **Method:** POST
* **Headers:** Authorization: Bearer <JWT\_TOKEN>, Content-Type: application/json
* **Body:**

{

"accountId": 1,

"amount": 500

}

* **Response Example:**

{

"message": "Withdrawal successful",

"balance": 5500

}

**3.4 Transfer Money**

* **Endpoint:** /api/account/transfer
* **Method:** POST
* **Headers:** Authorization: Bearer <JWT\_TOKEN>, Content-Type: application/json
* **Body:**

{

"fromAccountId": 1,

"toAccountId": 2,

"amount": 200

}

* **Response Example:**

{

"message": "Transfer successful"

}

**Notes**

1. JWT token must be passed in Authorization header for all Admin and Customer endpoints.
2. All POST requests require Content-Type: application/json.
3. Username for creating customer must be unique.
4. Deposit, Withdraw, Transfer endpoints check for sufficient balance and proper account IDs.