APEX BANK SQL SCHEMA

Account Table:

CREATE TABLE account (

    account_number VARCHAR(50) PRIMARY KEY,

    balance DECIMAL(11,2),

    password VARCHAR(50),

    surname VARCHAR(50),

    first_name VARCHAR(50),

    middle_name VARCHAR(50),

    suffix VARCHAR(50),

    phone_number VARCHAR(20),

    address VARCHAR(255),

    email VARCHAR(320),

    birth_date DATE,

    creation_date DATE,

    card_number VARCHAR(50),

    card_expiration_date DATE,

    cvv VARCHAR(50)

);

Admin Table:

CREATE TABLE admin (

    admin_id VARCHAR(50) PRIMARY KEY,

    password VARCHAR(50),

    surname VARCHAR(50),

    first_name VARCHAR(50),

    middle_name VARCHAR(50),

suffix VARCHAR(50),

    phone_number VARCHAR(20),

    email VARCHAR(320),

    birth_date DATE

);

Deposit Table:

CREATE TABLE deposit (

    transaction_id VARCHAR(50) PRIMARY KEY,

    admin_id VARCHAR(50),

    amount DECIMAL(10,2),

    account_number VARCHAR(50),

    date DATE,

    time TIME,

    FOREIGN KEY (admin_id) REFERENCES admin(admin_id),

    FOREIGN KEY (account_number) REFERENCES account(account_number)

);

Withdraw Table:

CREATE TABLE withdraw (

    transaction_id VARCHAR(50) PRIMARY KEY,

    admin_id VARCHAR(50),

    amount DECIMAL(10,2),

    account_number VARCHAR(50),

    date DATE,

    time TIME,

    FOREIGN KEY (admin_id) REFERENCES admin(admin_id),

    FOREIGN KEY (account_number) REFERENCES account(account_number)

);

External Bank Table:

```sql
CREATE TABLE external_bank (
    bank_code VARCHAR(50) PRIMARY KEY,
    bank_name VARCHAR(50),
    api_url VARCHAR(255),
    result_url VARCHAR(255)
);
```

Fund Transfer Table:

```sql
CREATE TABLE fund_transfer (
    transaction_id VARCHAR(50) PRIMARY KEY,
    source VARCHAR(50),
    recipient VARCHAR(50),
    date DATE,
    amount DECIMAL(10,2),
    time TIME,
    description VARCHAR(40)
);
```

Fund Transfer External Receive Table:

```sql
CREATE TABLE fund_transfer_external_receive (
    transaction_id VARCHAR(50) PRIMARY KEY,
    source VARCHAR(50),
    recipient VARCHAR(50),
    date DATE,
    amount DECIMAL(10,2),
    bank_code VARCHAR(50),
    time TIME
);
```

Fund Transfer External Send Table:

```sql
CREATE TABLE fund_transfer_external_send (

    transaction_id VARCHAR(50) PRIMARY KEY,

    source VARCHAR(50),

    recipient VARCHAR(50),

    date DATE,

    amount DECIMAL(10,2),

    bank_code VARCHAR(50),

    time TIME

);
```