**Bharat Bijili Corporation UBP API Documentation**

**Introduction**

This application allows electricity billing companies to manage customer accounts, generate invoices, and facilitate payment processing.

**API Base URL**

The base URL for accessing the API is: <http://localhost:8080>

**Endpoints**

**1. Customer Management**

**1.1 Create a New Customer**

Endpoint: /customers/addCustomer

Method: POST

Request Body:

{

    "name" : "Customer5",

    "email" : "c5@gmail.com",

    "phoneNumber" : 345345555

}

**1.2 Get Customer Details**

Endpoint: /customers/getCustomerById/1

Method: GET

Response:

HTTP Status Code: 200 OK

Body:

{

    "customerId": 1,

    "name": "Customer1",

    "email": "c1@gmail.com",

    "phoneNumber": 897593822

}

**1.3 Get Customers**

Endpoint: /customers/getAllCustomers

Method: GET

Response:

HTTP Status Code: 200 OK

Body:

{

        "customerId": 1,

        "name": "Customer1",

        "email": "c1@gmail.com",

        "phoneNumber": 897593822

    },

    {

        "customerId": 2,

        "name": "Customer2",

        "email": "c2@gmail.com",

        "phoneNumber": 345345555

    },

    {

        "customerId": 3,

        "name": "Customer3",

        "email": "c3@gmail.com",

        "phoneNumber": 345345555

    },

    {

        "customerId": 4,

        "name": "Customer4",

        "email": "c4@gmail.com",

        "phoneNumber": 345345555

    }

**2. Monthly Bill Management**

**2.1 Create a New Bill**

Endpoint: /monthlyBills/addMonthlyBill?id=10

Method: POST

Request Body:

{

    "month" : "Augest",

    "dueDate" : "2024-06-05",

    "unitConsumption" : 10

}

**2.2 Upload CSV of bills**

Endpoint: /monthlyBills/uploadcsv

Method: POST

**2.3 Get all monthly bills**

Endpoint: /monthlyBills/getAllMonthlyBills

Method: GET

Response:

HTTP Status Code: 200 OK

Body:

  {

        "id": 6,

        "customer": {

            "customerId": 1,

            "name": "Customer1",

            "email": "c1@gmail.com",

            "phoneNumber": 897593822

        },

        "month": "SePtember",

        "dueDate": "2023-10-05",

        "unitConsumption": 100.0,

        "amount": 4150.0,

        "onlinePayDisAmt": 207.5,

        "dueDateDisAmt": 207.5,

        "paid": true

    },

    {

        "id": 9,

        "customer": {

            "customerId": 1,

            "name": "Customer1",

            "email": "c1@gmail.com",

            "phoneNumber": 897593822

        },

        "month": "October",

        "dueDate": "2023-10-05",

        "unitConsumption": 53.0,

        "amount": 2199.5,

        "onlinePayDisAmt": 109.975,

        "dueDateDisAmt": 109.975,

        "paid": true

    },

**2.4 Update bill paid by cash**

Endpoint: /monthlyBills/updateCashPayment

Method: PUT

Request Param:

billId=17

**3. Transaction Management**

**3.1 Get Customer Details**

Endpoint: /transactions/getTransactionByCustomerId/2

Method: GET

Response:

HTTP Status Code: 200 OK

Body:

{

        "id": 33,

        "monthlyBill": {

            "id": 15,

            "customer": {

                "customerId": 2,

                "name": "Customer2",

                "email": "c2@gmail.com",

                "phoneNumber": 345345555

            },

            "month": "october",

            "dueDate": "2023-11-05",

            "unitConsumption": 100.0,

            "amount": 4150.0,

            "onlinePayDisAmt": 207.5,

            "dueDateDisAmt": 207.5,

            "paid": true

        },

        "customer": {

            "customerId": 2,

            "name": "Customer2",

            "email": "c2@gmail.com",

            "phoneNumber": 345345555

        },

        "paymentDate": "2023-09-24",

        "amount": 3735.0,

        "paymentMethod": "CREDIT\_CARD"

    },