NHIS Payment API Documentation

1. INTRODUCTION

This document provides detailed information and instructions for understanding how to integrate to the NHIS payment API. It details all API (Application Programming Interface) aspects related to the NHIS payment endpoints, along with request and response parameters exchanged during integration with 3rd party payment service providers.

2. API

2.1 Payment API Login

Purpose: Used by Payment Service Providers (PSP) to log in to the payment API of the OpenIMIS platform.
Example URL: `/login` (Original URL will be provided after implementation).
Note: The `access_token` expires after 24 hours. Username and Password are the only required fields.

Request

```
mutation {
  tokenAuth(username: "Enter user Name", password: "Enter Pasword") {
    refreshToken
    token
  }
}
```

Response

```
{
  "data": {
    "tokenAuth": {
      "refreshToken": "e7338383839w4d2e6312345858758484",
      "token":
"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VybmFtZSI6IkFkbWldnidinnvc39934949"
    }
  }
}
```

2.2 Get Insures Detail

Purpose: Used to get the detail of an insuree by verifying the NIN (National Identity Number) entered by the payer or insuree.
URL: (Original URL will be provided after implementation).
Required Field: `chf_id` - `graphene.String(required=True)` (same as NIN)
Note: Policies with status 1 are idle and available for payment. Status 2

Request

```
query{
  verifyInsuree(chfId:"070707070"){
```

```
      lastName
      firstName
      message
      policies{
        amount
        status
        productName
        productCode
        token


      }
   }
}
```

Response

```
{
  "data": {
    "verifyInsuree": {
      "lastName": "Macintyre",
      "firstName": "Joseph",
      "message": "1 for idle, 2 is for active",
      "policies": [
        {
          "amount": 10000,
          "status": 2,
          "productName": "Basic Cover Ultha",
          "productCode": "BCUL0001",
          "token": "D8D86AB7-4EA7-4834-B341-0EA688CDDE45"
        },
        {
          "amount": 10000,
          "status": 1,
          "productName": "Basic Cover Ultha",
          "productCode": "BCUL0001",
          "token": "17AC1769-A0B1-4EEA-A14B-3CFE6141FDD7"
        }
      ]


    }
  }
}
```

2.3 Process Payment

Purpose: Used to process payment details from Africell to the OpenIMIS platform.
URL: (Original URL will be provided after implementation).
Required Fields:

- `chfId` = String
- `amount` = float

- `productName` = String
- `ProductCode` = String
- `pspTransactionId` = String
- `token` = String

Optional Field:

- `jsonContent` = JsonString

Request:

```
mutation{
   processPayment(input:{
    chfId:"070707070",
    amount:"100"
    pspTransactionId:"txt_sssi"
    policy:{
      productName:"Basic Cover Ultha"
      productCode:"BCUL0001"
      token:"8543B2D6-E0B3-4F43-ADF4-C2FBAEA0A665"
    },
    jsonExt:"{\" enter here\": \" enter here\"}"
  }){
    Success
    responseMessage
    detail
  }
  }
```

Response

```
{
  "data": {
    "processPayment": {
      "Success": True,
      "responseMessage": "Payment processed successfully",
      "detail": null
    }
  }
}
```