# **API Testing -**

# **IDP 11121 - BE: Plans info from single policy provider companies**

**Description** – GPHI (Global principal & Health insurance) helps customers in researching and comparing various insurance policies, helping them in making an informed decision. It offers everything from life insurance, health insurance, motor insurance and other insurance such as travel insurance and group insurance etc. These all data will come from some type of API service. Implement these API by using their AMC\_ID

**GET Method -** **URI** – 172.10.24.141:8080:gphi.com/api/planeinfo/cover?AMC\_ID=3004

**Acceptance criteria -**

1. API service will generate different planes by **using different AMC\_ID**
2. Valid AMCID contains from tables – **“dim.plane\_code”** (AMC\_ID = 3001- ICIC, AMC\_IC= 3002- MaxLife, AMC\_ID= 3003- SBI, AMC\_ID=3004- HDFC)
3. AMC\_ID will got full response
4. Response data as -

“Insurer” : “HDFCLife”,  
“Cover Amount” : “1,00,000”,

“Duration of life” : “60”,

“Claim ratio” : “87%”,

“Premium amount” : “14000”

1. Invalid AMC\_ID shows no data

**Test Case -**

1. Verify get method by passing AMC\_IC= 3001 🡪 EC = ICIC insurance data

“Insurer” : “ICIClife”,  
“Cover Amount” : “1,00,000”,

“Duration of life” : “60”,

“Claim ratio” : “87%”,

“Premium amount” : “14000”

1. Verify get method by passing AMC\_IC= 3002 🡪 EC=Status code =200-ok
2. Verify get method by passing AMC\_IC= 3003 🡪 EC=Status code =200-ok
3. Verify get method by passing AMC\_IC= 3004 🡪 EC=Status code =200-ok
4. Verify get method by passing AMC\_IC= 3005🡪 EC=Status code =200-ok
5. Verify get method by passing AMC\_IC= 3006🡪 EC=Status code =200-ok
6. Verify get method by passing AMC\_IC= 3007🡪 EC=Status code =200-ok
7. Verify get method by passing AMC\_IC= TATA🡪 EC=Status code =400-Bad request (Accept only 4 digit non-decimal Integer)
8. Verify get method by passing AMC\_IC= invalid no (00000) 🡪 EC=Status code =400-Bad request
9. Verify get method by passing AMC\_IC= 30.90 🡪 EC=Status code =400-Bad request
10. Verify get method by passing AMC\_IC= null values 🡪 EC=Status code =400-Bad request
11. Verify get method by passing wrong URL/URI🡪 EC=Status code =404-Not found
12. Verify by changing method types 🡪 EC = 405 - Method Not Allowed
13. Verify by passing wrong API key 🡪 EC = 401 - Unauthorized

# **IDP 1122 - Plans info from all policy from quotes**

**Description** – GPHI (Global principal & Health insurance) helps customers in researching and comparing various insurance policies, helping them in making an informed decision. It offers everything from life insurance, health insurance, motor insurance and other insurance such as travel insurance and group insurance etc. These all data will come from some type of API service. Implement these API by using their AMC\_ID

**GET Method** - **URI** – 172.10.24.141:8080:gphi.com/api/planeinfo/cover?Quotes\_ID(question no. 4)=1

**Acceptance criteria-**

1. API service will generate different planes by **using different** Quotes\_ID
2. Valid AMCID contains from tables – **“dim.Quotes\_info”** (Quotes\_ID=1 – 10th, Quotes\_ID=2 – 12th, Quotes\_ID=3 – Gradation & above)
3. AMCID will got full response
4. Response data as –

“Insurer” : “HDFCLife”,  
“Cover Amount” : “1,00,000”,

“Duration of life” : “60”,

“Claim ratio” : “87%”,

“Premium amount” : “14000”

“Insurer” : “ICICLife”,  
“Cover Amount” : “1,00,000”,

“Duration of life” : “60”,

“Claim ratio” : “87%”,

“Premium amount” : “14000”

“Insurer” : “ICICLife”,  
“Cover Amount” : “1,00,000”,

“Duration of life” : “60”,

“Claim ratio” : “87%”,

“Premium amount” : “14000”

“Insurer” : “ICICLife”,  
“Cover Amount” : “1,00,000”,

“Duration of life” : “60”,

“Claim ratio” : “87%”,

“Premium amount” : “14000”

# **Join-**

Table 1 - **cust.cust\_plane\_details 🡪 Planes details –different**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Plane\_No (PK) | Plane\_name | Plane\_Amount | Plane\_Claim | Plane\_year | AMC\_Id (FK) | Education |
| 3910 | Max | 1321 | 90 | 45 | 3001 | 10Th |
| 3942 | Tata | 1131 | 86 | 55 | 3002 | 12th |
| 3947 | HDFC | 1266 | 50 | 34 | 3003 | Gradation |
| 3900 | HDFC | 998 | 70 | 50 | 3003 | Gradation |
| 3911 | SBI | 998 | 70 | 70 | 3004 | Gradation |
| 3812 | SBI | 700 | 70 | 57 | 3004 | 12th |
| 3854 | Max | 1321 | 90 | 45 | 3001 | Gradation |

**Tables- 2 🡪 “dim.plane\_code” 🡪 Plane provider companies**

|  |  |  |  |
| --- | --- | --- | --- |
| AMC\_NO (PK) | AMC\_name | AMC\_ID\_No | AMC\_Created \_date |
| 3003 | HDFC | 346454 | 20-mar-2018 |
| 3004 | SBI | 4356454 | 20-mar-2015 |
| 3001 | Max | 565466 | 20-jan-2018 |
| 3002 | SBI | 34654645 | 20-Dec-2018 |

SELECT

FROM CUST.CUST\_PLANE\_DETAILS T1

INNER JOIN DIM.PLANE\_CODE T2

ON CUST.CUST\_PLANE\_DETAILS. AMC\_ID = DIM.PLANE\_CODE. AMC\_NO

* **IDP 1123 - BE: Account Module - Create Customer Account**

**Description** – Customer wants to create account on GPHI application. To create account we have to create one BE API for it. It should be POST call. And contain all required information which required to create an basic customer account in that API call.

**Acceptance Criteria -**

**POST Method -** **URI** – 172.10.24.141:8080:gphi.com/api/external/signup/customer

1. Create customer account API call should consist of customer basic information
2. Should consist customerFirstName and customerLastName as string
3. Should consist customerPrimaryMobileNumber and customerSecondaryMobileNumber as 10 digit non-decimal integer only
4. Should consist basic AccountDetails of customer. Credit card expiry date should be in format of MMYY.
5. Should consist customerGender(M-Male, F-Female, T-Transgender)

Request Payload -

{

    "customerFirstName": "Will",

    "customerLastName": "Smith",

    "customerAge":"32",

    "customerGender":"M",

    "customerPrimaryMobileNumber": "8600610619",

    "customerSecondaryMobileNumber": "8600610620",

    "customerEmailID": "smithwill007@gmail.com",

    "customerAddress1":"22",

    "customerAddress2":"Near Church",

    "customerAddress3":null,

    "zipcode":"99950",

    "country":"US",

    "accountDetails": {

        "AccountDetails": {

            "customerId": "10212023",

            "customerAccountNumber": "123456789012",

            "creditCardType":"VISA",

            "creditCardExpiryDate":"0625",

            "creditCardCVV":"123"

        }

    }

}

**Test Cases -**

1. Validate REST Response of
2. Validate data and count of data in response.
3. Validate status code in response.
4. Validate time taken for response.
5. Validate the basic functionality.
6. Validate that data is properly populate in DB or not.