**Project Name:** Claims Management

**Microservices:**

* Authorization Microservice (authorization-service):
* This service is used to authenticate and login. This service is invoked by member-portal using user credentials. It checks with the database for valid details and generates a JWT token and it will be valid for specific time.
* This service is also used to validate the token and returns true(if token is valid) or else returns false(if token is not valid).
* Member Portal (member-portal):
* Member portal is used to interact with the user and display jsp pages.
* This portal will be interacting with the user and other microservices for data.
* Member Microservice (member-service):
* Invoked by member portal with values(Member Id, Policy Id).

Returns bill details for a particular member id and policy id.

Returns “Record not found”, if there is no data found in the database.

* This service invokes claim-service for claim status and submit claim.
* Claim Microservice (claim-service):
* Get Claim Status: Invoked by the member-service with values(Claim Id, Policy Id, Member Id).

Returns Claim Status, if data is present in database

Returns “Record not found”, if there is no data present in the database.

* Submit Claim: Invoked by the member-service with values(Member Id, Policy Id, Total Billed Amount, Total Claimed Amount, Hospital Id, Benefit Id). Check whether the requirements are satisfied or not). If satisfied, Claim Status will be updated as “Pending Action – Submitted for review” or else “Claim Rejected”.
* This service invokes policy-service for claim amount, list of providers, list of benefits.
* Policy Microservice (policy-service):
* Get Chain of Health Providers: Invoked by the claim-service with value(Policy Id). Returns list of health providers based on the policy id.
* Get Eligible Benefits: Invoked by the claim-service with values(Member Id, Policy Id). Returns List of Benefits based on the values provided.
* Get Eligible Claim Amount: Invoked by the claim-service with values(Member Id, Policy Id, Benefit Id). Returns claim amount based on the values provided.