**Assignment 4– Custom Quota Fault Handling in Apigee**

**Objective**

Build an API proxy in Apigee that enforces **quota limits** and returns a **custom JSON error message** when the quota is exceeded using **AssignMessage** and **FaultRule**.

**Assignment Tasks (Select any one or more based on your track)**

**🔹 Option A – Basic Implementation**

**Instructions:**

1. Create a reverse proxy named quota-fault-assignment.
2. Use:
   * **Base path:** /quota-fault
   * **Target URL:** https://mocktarget.apigee.net
3. Add a **Quota policy** that allows only **2 requests per minute**.
4. Deploy the proxy and test the quota behavior using curl or Postman.

**🔹 Option B – Custom Fault Response Handling**

**Additional Task:**

1. Add an **AssignMessage policy** that returns the following JSON when quota is exceeded:

{

"error": "Custom Quota Message: Limit reached. Retry after 60 seconds."

}

1. Attach it via a FaultRule for QuotaViolation.

**Testing Criteria**

* Use Postman or curl to trigger:
  + 2 successful requests (HTTP 200)
  + 1 failed request after limit (HTTP 429)
* Submit:
  + Screenshot of your AssignMessage policy XML
  + Screenshot of the JSON custom error
  + Summary of how FaultRule was used

**Expected Result (after 3rd request)**

{

"error": "Custom Quota Message: Limit reached. Retry after 60 seconds."

}

* **Status Code:** 429 Too Many Requests