**Smarte Assignment - Result**

**Scenario 1:** “Search Experience” on Amazon’s ecommerce website -  from the text Input to the search result/filters

1. Define approach for automation testing of this functionality & Please detail the challenges anticipated

Ans: Search Functionality automation code is uploaded to GitHub. The major challenge I faced is to cross verify the number of inventories in the UI with the database as I don’t have access to the database.

1. There are millions of products in the inventory, what is you approach to create input test dataset?

Ans: As there are millions of product, as per above mentioned challenged I have faced i.e. lack of access of inventory/database to verify the exact count. Approach I have chosen is to select 2-3 products randomly, and then apply different filters on it. and verifying the same filter is applied correctly by collection all the products information and matching with the filter.

1. How will you perform load testing for 10K users concurrently using this feature?

Ans: I haven’t performed load testing as I have very limited knowledge of it.

**Scenario 2 :** You will find a API named Company API under Enrichment API in the following link: [https://clearbit.com/docs#enrichment-api-company-api](https://clearbit.com/docs)

1. What is the purpose of this API? What is your strategy to test it?

Ans: The ‘Company API’ is getting all the data of company, like what is the legal name of company, list of market categories, industry group, etc. To work with the ‘Company API’ we have to pass Authentication key, or else it will not work.

1. Prepare the sample input test dataset

Ans: Below are the sample test dataset created to test a Company API: -

**A**. **If we do not pass headers details the api should not work and it should give you the appropriate error**

Error: -

{

"error": {

"type": "auth\_required",

"message": "Authentication is required for this action. Sign up at https://clearbit.com"

}

}

Status code is: 401 unauthorized

**B. Under headers keeping value field blank it should show the appropriate the error: -**

**Error: -**

{

"error": {

"type": "auth\_required",

"message": "Authentication is required for this action. Sign up at https://clearbit.com"

}

}

Status code is: 401 unauthorized

**C. Removing the “Bearer” text from the value: -**

**Error: -**

{

"error": {

"type": "auth\_required",

"message": "Authentication is required for this action. Sign up at https://clearbit.com"

}

}

Status code is: 401 unauthorized

**D. By passing wrong key and check the error: -**

**Error: -**

{

"error": {

"type": "invalid\_api\_key",

"message": "Invalid API key provided"

}

}

Status code is: 401 unauthorized

**E. Change the method GET to POST and check the error: -**

**Error: -**

{

"error": {

"type": "unknown\_route",

"message": "Sorry, that route cannot be found. Please refer to our docs https://clearbit.com/docs"

}

}

**F. if Passing Special Character in domain: -**

**Error: -**

{

"error": {

"type": "domain\_invalid",

"message": "Invalid domain name: \"@\\#@\""

}

}

**G. changed Param name from domain to domains**

**Error: -**

{

"error": {

"type": "domain\_invalid",

"message": "Invalid domain name: nil"

}

}