**Automation Testing Approach**

**Elements Identification**

//div[@role='group'] [@class='chakra-form-control css-1kxonj9']

Label: //div[@role='group'] [@class='chakra-form-control css-1kxonj9']//label

Input Field: //div[@role='group'] [@class='chakra-form-control css-1kxonj9']//input

Submit button: //div[@role='group'] [@class='chakra-form-control css-1kxonj9']//button//p

**Formatting Discord ID**

Generate random strings with different length – 1-10 (EX: a, ab, abc, abcd etc)

Generate random numbers with different length – 1-10 (EX: 1, 24, 87, 6796 etc)

Concatenate one string and one number to form unique Discord ID

**Validating Functionality**

* Verifying elements presence in the page
* Performing Actions on elements once they are identified.
* Testing Input with different data sets (Boundary-Value Analysis, Different data types) generated using Random characters & Random Integers (abc#456, q#2 etc)
* Validating error message for negative inputs and asserting the same
* Automation script should be capable to run on different browsers & OS (Cloud if required)

**Elements Assertion**

* Firstly I will find the number of occurrences of each element
* When element count is returned, then assertion will be performed
* Assert the number of elements present in parent div tag by above element identifications (If assertions fails then there are changes to elements)

**Tools**

* UI Automation tools: Playwright or Selenium
* Adhoc-Testing [gremlins.js](https://github.com/marmelab/gremlins.js)
* API Testing: Postman

**Questions**

* What are the length of Discord Name & ID separately
* Is there a different ways to format discord ID
* Are we going to modify Html code
* Are we going to embed this page in another html
* What are the changes (add / remove) to existing elements present in parent div ([@role='group'] [@class='chakra-form-control css-1kxonj9'])
* Provide unique element attributes for automation activities
* Are we adding any multimedia type of content to file

**HTML Reference**

<div role="group" class="chakra-form-control css-1kxonj9">

<label id="field-:r1:-label" for="field-:r1:" class="chakra-form\_\_label css-1xhkb52">Discord Tag</label>

<input placeholder="Discord#0000" id="field-:r1:" class="chakra-input css-1ub2bl4" value="">

<button type="submit" class="chakra-button css-w1fyfn">

<p class="chakra-text css-nsraxd">Submit</p>

</button> </div>