**Quality Engineer Test Task**

**Test Plan:** To verify the functionality of the demo veriff website

By documenting both UI and API tests. We will be using Postman to write and execute API tests and a Maven project for automating UI tests using selenium. Following is the postman link to the workspace of Veriff. We will be covering both functional, integration tests and few performance based tests.

Link: https://www.postman.com/crimson-escape-817004/workspace/demo/collection/10124999-17888e05-793a-4cba-b4be-034da3a16a5b?action=share&creator=10124999

**API Tests using Postman**

For each request we verify and assert whether appropriate response code is generated. We also review the performance by asserting the response time.

1. **Get request to fetch the environment:** To check if the environment is production or not.
2. **Post request to get session token:** We run this request to get a new session that generates integration url and token.
3. We pass the request body by hard coding the values of name, language, document type and country and check if we are getting a valid response.
4. We pass the body of the request by inputting a CSV file and validating we get the same response as mentioned in the earlier step.
5. We set the alternate URL and token as collection variables to use it as a base for further requests.
6. **Put request for adding waiting room:** To check if status is ready in the response body by passing a bearer token discussed in the next step.
7. **Get request for getting id:** Here we pass an bearer authorization token to authorize ourselves. After firing the get call we are able to view all the form details that a user has given and we are able to fetch and set the id and active verification session id for further requests as collection variables.
8. **Patch request to get documents:** We pass the alternate url and the active session id from the previous response as a path parameter to get the json which contains the documented country and It’s type as a result.
9. **Get request for supported countries:** As a result of firing the request, we view which document type is in compliance with the country. If we pass or submit an inappropriate doc type, we get an error code of 500 in the get request to retrieve the session id (step 2).

For each request we have a check of schema validations if required params are present.

**Instructions to run collection using Postman**

* To run the CSV file mentioned before, go to veriff bar and click on three dots and click on run collection and upload the testdata.csv file in the repo and uncheck the Get\_Session\_token\_hard\_code and run the file.

**To view the reports use the following steps**

* Go to the command prompt and type the following command: *npm install –g newman*
* Come back to the postman console and follow these steps if you don’t want to use files in the repo [Click on the 3 dots of the collection tab and click on export collection and save the file in desired path. Similarly export the global variables by clicking on the environments tab and clicking on export option and save it in the desired path]. Download the CSV file, already prepped postman collection file and globals file in the repository.
* Go to the path where all the files are being stored and type the following command in the cmd:

*newman run veriff.postman\_collection.json –d veriff\_data.csv –g workspace.postman\_globals.json –r htmlextra*

* After running the command check whether a folder named newman is present and view the detailed report by opening it in the browser.