ISLAMIC UNIVERSITY OF TECHNOLOGY(IUT)
ORGANISATION OF ISLAMIC COOPERATION (OIC)
Department of Computer Science and Engineering (CSE)
CSE 4604: Software Testing & Quality Assurance Lab
Lab Test Group A

Time: 1 Hour 30 Minutes

Part 1: API Testing

Instructions:
- Open the postman application and create a new collection named LabFinalA . You will add all the requests in this collection.
- You have to write a test case for
  https://api.practicesoftwaretesting.com/api/documentation
- For submission, export the collection in recommended JSON format and upload it in the google classroom.
- BaseUrl: **https://api.practicesoftwaretesting.com/**

Tasks:

POST /users/register
- Write a test case to check if you can create a user and save the user id (successfully created user Id) as variables "user1". Use the given information for writing the test case:

Test 1 Data	email: \<name_id last 3 digits >@user.com password: \<name_id>
Test 2 Data	first_name: \<your first name> last_name: \<your last name> email: \<name_id last 3 digits>@user.com password: \<name_id>
Test 3 Data	first_name : \<your first name>, last_name : \<your last name>, phone : \<any number>, dob : 1970-01-01 , password : Super-Secret-123, email: \<your name>@doe.com

POST /users/login
- Write a test case to login with any of the created users and save the access_token as "access token" in the global variable.
- Use the bearer access token for all other requests.

PUT /users/{userId}
- Write a test case using the saved user ids and update the user details information.

GET /products/search
- Write a test case to search for "safety", and check if all the returned products have safety in their name and save the first product ID as "Safety" variable.
- Write a test case to search for "Nuts", and check if the returned products count is 2.

GET /products
- Set parameters for "between" to "50,100" and write a test case to check all product prices are less than 100 and greater than 50.
- Save the first product ID as "Pricey" variable

GET /products/{productID}/related
- Set "Safety" variable in place of "productID"
- Write a test case to check if all the related products have the Safety Gear category.

POST /carts
- Write a test case to create a cart and save the cart ID as "cartID" variable.

POST /carts/{id}
- Set "id" from the "cartID" variable and write a test case to add a product. Add the saved "Safety" variable to the cart.
- Set "id" from the "cartID" variable and write a test case to add a product. Add the saved "Pricey" variable to the cart.

GET /carts/{cartId}
- Write a test case to check if the previously added products are in the cart.

Part 2: Automation Testing
Instructions:
- For writing the automation test cases, create a java project and test file to write JUnit test cases using selenium.
- You have to write test cases for https://thinking-tester-contact-list.herokuapp.com/
- After writing the test cases, submit the java file in google classroom.

Tasks:
SignUp Page: https://thinking-tester-contact-list.herokuapp.com/addUser
- Write test cases for sign up page, using the following test data:

No.	Test Data	Expected Message
1	First name:<your first name> Last Name:<your last name> Email: <your name_ id> Password: 1234567	Check for message "Email is invalid"
2	First name:<your first name>	Check for the message "is shorter

	Last Name:<your last name> Email: <your name_ id>@user.com Password: 12345	than the minimum allowed length (7).”
3	First name:<your first name> Last Name:<your last name> Email: <your name_ id>@user.com Password: 1234567	Redirected to https://thinking-tester-contact-list.herokuapp.com/contactList

Login Page: https://thinking-tester-contact-list.herokuapp.com/

- Write test cases for login up page,

No.	Test Data	Expected Message
1	Email: <your name_ id>@user.com Password: 12345	Check for message “Incorrect username or password”
2	Email: <your name_ id>@user.com Password: 1234567	Redirected to https://thinking-tester-contact-list.herokuapp.com/contactList

Contact list Page: https://thinking-tester-contact-list.herokuapp.com/contactList

- Write a test case for adding a new contact using the “Add Contact form”.
  - Write a test case without filling up the “First Name” field and filling up other information as needed.
  - Write a test case with filling up the “Date of Birth” field with mm-dd-yyyy format and other information as needed.
  - Write a test case with all valid input and check if the contactList page shows the correct submitted values.
- Write a test case to logout from the system successfully.