

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 B

Time: 2 Hour

Part 1: API Testing

Instructions:

- Open the postman application and create a new collection named LabFinalB . 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 as variables “user1”, “user2” and so on. 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>, address : <any string> , city : Dhaka, phone : <any number>, dob : 1970-01-01 , password : super-secret, 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 “hammer”, and check if all the returned products have a hammer in their name.
- Save any of the previous product ID as “hammer” variable.
- Write a test case to search for “pliers”, and check if the returned products count is 4.
- Save the out of stock product from the “pliers” list as an “out plier” variable.

GET /products/{productID}/related

- Write a test case to check if all the related products have the same hammer category.

POST /carts/

- Write a test case to create a cart and save the cart ID as “cartID” variable.

POST /carts/{cartID}

- Write a test case to create an order with a “hammer” variable and check if you can add the item to the cart.
- Write a test case to create an order with an “out plier” variable and check if you can add the item to 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> Last Name:<your last name> Email: <your name_ id>@user.com Password: 12345	Check for the message “ is shorter 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
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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 “Last Name” field.
 - Write a test case with filling up the “Date of Birth” field with mm-dd-yyyy format.
 - 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.
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