Question 1

Scenario	Endpoint	Comments
When a manager logs in with its valid credentials	POST /login	Login is POST request as credentials are sent in the request body
When the manager looks through all users list	GET /users	A GET request to /users fetches the list of all users
When the manager creates a new user	POST /users	Allows manager to create a new user by sending the required details in the request body
When the manager creates the user's configurations	POST /users/{id}/configurations	Creates configurations for the specified user ID.
When the manager selects and see the newly created user's configurations	GET /users/{id}/configurations	Retrieves all configurations associated with the specified user ID.
When the manager removes the created user	DELETE /users/{id}	Removes a user by their ID.
When the manager finds the removed user's configurations	GET /users/{id}/configurations	Tries to retrieve all the configuration for that user ID. As it's already deleted, a 404 error will be returned
When the removed user is not found	GET /users/{id}	Tries to retrieve user for that user ID. As user is already deleted, a 404 error will be returned

Question 2

Follow the below steps in order to run all tests and ensure safe merging

1. Get the latest changes in master. - *git checkout master, git pull origin master*
2. Switch to MY_TEST_BRANCH - *git checkout MY_TEST_BRANCH*
3. Rebase master - *git rebase master*
4. Resolve conflicts if any and continue
5. Run all tests on MY_TEST_BRANCH
6. If tests pass, push changes in MY_TEST_BRANCH to remote and create pull request- *git push origin MY_TEST_BRANCH*
7. Merge MY_TEST_BRANCH to master

Question 3

Scenario 01: Valid username & valid password

Given the user is on the login page

When user enters valid username

And user enters valid password

And user clicks Login button

Then user is redirected to Home page

Scenario 02: valid username & Invalid password

Given the user is on the login page

When user enters valid username

And user enters invalid password

And user clicks Login button

Then user is shown login error page

Scenario 03: invalid username & valid password

Given the user is on the login page

When user enters invalid username

And user enters valid password

And user clicks Login button

Then user is shown login error page

Scenario 04: invalid username & invalid password

Given the user is on the login page

When user enters invalid username

And user enters invalid password

And user clicks Login button

Then user is shown login error page

Scenario 05: Blank credentials

Given the user is on the login page

When user clicks Login button

Then user remains on login page

And error message is shown

And the focus is on username box

Scenario 06: Special characters - type into box

Given the user is on the login page

When user enters invalid username with special characters

Then special character is not entered in username field

Scenario 07: Lengthy username

Given the user is on the login page

When user enters username with length > 31

Then username field only accepts 31 characters

Scenario 08: Special characters – paste into box

Given the user is on the login page

When user pastes in invalid username with special characters

Then special character is not entered in username field