Task 2: General Questions

Question 1

For the Sign Up form you have been testing against, we want to add in social sign up, from services such as Github / Facebook etc. Given the notice that a new feature is coming:

A. What steps would you take to ensure we have full coverage of this new feature?

- For a new feature, I would start with talking to the product owner and the developers to understand the acceptance criteria of the feature

- I would like to ideally like to start with manual tests and exploratory tests, especially when the feature is still under development and we are working with initial builds

- This would help understand the requirements of the feature, work out the kinks, and help with design the test plan

- This would also avoid added effort of updating the automated tests, since the behavior may change often

- Along with the product owner and the developers, I would try to break the feature up into smaller functionalities that can be tested individually

- This would help create the automation project in parallel as and when individual components are dev complete

B. Once the feature is delivered to our development environment, how long would you need to implement this full coverage?

- Ideally, the automation coverage would be built as and when individual components are completed

- This would ensure effective coverage and faster feedback loop for completed functionalities

- After that point, the overall automation coverage and team review would perhaps be completed within one week

C. What risks do you see with this change?

- Adding social sign up might greatly increase security/legal concerns

- Hacked accounts and stolen passwords might make the application vulnerable

- Social media logins are sometimes bots/unauthorized users/user groups; this might make information gathering, and studying user behavior tricky and misleading

Question 2

One system we have is very much focused around dragging items from a left menu, and building up a series of tasks, please see a screenshot on the next page. Our current testing automation setup does not support this kind of interaction. What technical approach would you take to ensure we had 100% coverage for this type of system and feature?

- Building up on a series of tasks might translate effectively into a workflow based testing approach

- Behavior Driven Development might be effective approach for testing such systems

- I might consult with the product owner and the developers on using BDD tools such as SpecFlow or a similar tool