

1. Find the defects/bugs in the following image as a tester. **(Compulsory)**



2. Write test cases for the following scenario. **(Compulsory)**  
You are at Amazon's checkout page. You have bought five items (x, y, z, a, and b). You make payment and place the order.
3. Automate the above test cases using Java-Selenium **(added advantage test not mandatory)**.
4. Can you tell us how user experience can be improved for the following sign-in page?  
**(Compulsory)**

### Sign In

What is your e-mail address?

My e-mail address is

Do you have password?

☐ No, I am a new customer.

☒ Yes, I have a password:

[Forgotten your password?](#)

5. Write a Python(preferable)/Java program that has a function that takes a string as input and returns the longest substring that does not contain any repeated characters. Also, explain the code written. You can refer to any online source.