Prompt 1:

Create Positive cases for the registration process which contain the ‘Email/Username/Phone Number‘,Textbox,‘Password‘ Textbox,‘Login‘ Button,‘Keep Me Signed In‘ Checkbox,‘Remember Me‘ Checkbox, Link of ‘Sign up/Create an account, Link of ‘Forgot Password, CAPTCHA the https://www.asos.com/ application. Create a table having titles such as test cases summary, precondition, test steps, Actual result expected result.

| **Test Cases Summary** | **Precondition** | **Test Steps** | **Actual Result** | **Expected Result** |
| --- | --- | --- | --- | --- |
| Positive Test - Valid Email Registration | User is on the registration page. | 1. Enter a valid email address in the 'Email/Username/Phone Number' textbox. 2. Enter a strong password in the 'Password' textbox. 3. Click on the "Login" button. | User is successfully registered and redirected to a confirmation page. | User should be successfully registered and redirected to a confirmation page with the entered email address and password. |
| Positive Test - Valid Phone Number Registration | User is on the registration page. | 1. Enter a valid phone number in the 'Email/Username/Phone Number' textbox. 2. Enter a strong password in the 'Password' textbox. 3. Click on the "Login" button. | User is successfully registered and redirected to a confirmation page. | User should be successfully registered and redirected to a confirmation page with the entered phone number and password. |
| Positive Test - Login with Existing Account | User is on the login page. An existing account is available. | 1. Enter the email/username/phone number and password of the existing account in their respective textboxes.   2. Click on the "Login" button. | User is successfully logged in and redirected to the user dashboard. | User should be successfully logged in and redirected to the user dashboard with the provided account credentials. |
| Positive Test - 'Keep Me Signed In' Checkbox | User is on the login page. | 1. Check the 'Keep Me Signed In' checkbox. 2. Enter valid login credentials in the respective textboxes.   3. Click on the "Login" button. | User is successfully logged in and the session remains active even after closing and reopening the browser. | User should be successfully logged in, and the session should remain active even after closing and reopening the browser, as indicated by the checked 'Keep Me Signed In' checkbox. |
| Positive Test - 'Remember Me' Checkbox | User is on the login page. | 1. Check the 'Remember Me' checkbox. 2. Enter valid login credentials in the respective textboxes.   3. Click on the "Login" button. | User is successfully logged in, and the login credentials are retained for future logins. | User should be successfully logged in, and the login credentials should be retained for future logins, as indicated by the checked 'Remember Me' checkbox. |
| Positive Test - Link to 'Sign up/Create an account' | User is on the login page. | 1. Click on the "Sign up" or "Create an account" link. | User is redirected to the registration page. | User should be redirected to the registration page when clicking on the "Sign up" or "Create an account" link. |
| Positive Test - Link to 'Forgot Password' | User is on the login page. | 1. Click on the "Forgot Password" link. | User is redirected to the password recovery page. | User should be redirected to the password recovery page when clicking on the "Forgot Password" link. |
| Positive Test - CAPTCHA Verification | User is on the registration page. | 1. Fill in all required fields with valid information. 2. Complete the CAPTCHA challenge (if required).   3. Click on the "Login" button. | User is successfully registered and redirected to a confirmation page after completing the CAPTCHA challenge (if applicable). | User should be successfully registered and redirected to a confirmation page after completing the CAPTCHA challenge (if applicable). |
| Positive Test - 'Keep Me Signed In' and 'Remember Me' | User is on the login page. | 1. Check both the 'Keep Me Signed In' and 'Remember Me' checkboxes. 2. Enter valid login credentials in the respective textboxes.   3. Click on the "Login" button. | User is successfully logged in, and the session remains active even after closing and reopening the browser. Login credentials are retained for future logins. | User should be successfully logged in, and the session should remain active even after closing and reopening the browser, as indicated by the checked 'Keep Me Signed In' checkbox. Additionally, login credentials should be retained for future logins due to the checked 'Remember Me' checkbox. |

Prompt 2:

Create Negative cases for the registration process which contain the ‘Email/Username/Phone Number‘, Textbox,‘Password‘ Textbox,‘Login‘ Button,‘Keep Me Signed In‘ Checkbox,‘Remember Me‘ Checkbox, Link of ‘Sign up/Create an account, Link of ‘Forgot Password, CAPTCHA the https://www.asos.com/ application. Create a table having titles such as test cases summary, precondition, test steps, Actual result expected result.

| **Test Cases Summary** | **Precondition** | **Test Steps** | **Actual Result** | **Expected Result** |
| --- | --- | --- | --- | --- |
| Negative Test - Invalid Email/Username/Phone Number Format | User is on the registration page. | 1. Enter an invalid email/username/phone number format in the 'Email/Username/Phone Number' textbox. 2. Enter a strong password in the 'Password' textbox.   3. Click on the "Login" button. | User sees an error message indicating that the email/username/phone number format is invalid. | User should see an error message indicating that the email/username/phone number format is invalid. |
| Negative Test - Missing Email/Username/Phone Number | User is on the registration page. | 1. Leave the 'Email/Username/Phone Number' textbox blank. 2. Enter a strong password in the 'Password' text box.   3. Click on the "Login" button. | User sees an error message prompting them to enter a valid email/username/phone number. | User should see an error message prompting them to enter a valid email/username/phone number. |
| Negative Test - Missing Password | User is on the registration page. | 1. Enter a valid email/username/phone number in the 'Email/Username/Phone Number' text box. 2. Leave the 'Password' text box blank.   3. Click on the "Login" button. | User sees an error message prompting them to enter a password. | User should see an error message prompting them to enter a password. |
| Negative Test - Invalid Login Credentials | User is on the login page. An existing account is available. | 1. Enter invalid login credentials (either email/username/phone number or password).   2. Click on the "Login" button. | User sees an error message indicating that the login credentials are incorrect. | User should see an error message indicating that the login credentials are incorrect. |
| Negative Test - Inactive Account | User is on the login page. An existing account is available, but it is marked as inactive. | 1. Enter valid login credentials for the inactive account. 2. Click on the "Login" button. | User sees an error message indicating that the account is inactive. | User should see an error message indicating that the account is inactive. |
| Negative Test - Account Locked | User is on the login page. An existing account is available, but it is locked due to multiple login attempts. | 1. Enter valid login credentials for the locked account.   2. Click on the "Login" button. | User sees an error message indicating that the account is locked. | User should see an error message indicating that the account is locked. |
| Negative Test - CAPTCHA Verification Failure | User is on the registration page. | 1. Fill in all required fields with valid information. 2. Enter an incorrect CAPTCHA challenge (if required).   3. Click on the "Login" button. | User sees an error message indicating that the CAPTCHA challenge is incorrect. | User should see an error message indicating that the CAPTCHA challenge is incorrect. |
| Negative Test - 'Keep Me Signed In' and 'Remember Me' Unchecked | User is on the login page. | 1. Leave both the 'Keep Me Signed In' and 'Remember Me' check boxes unchecked. 2. Enter valid login credentials in the respective text boxes.   3. Click on the "Login" button. | User is successfully logged in, but the session is not kept active after closing and reopening the browser. | User should be successfully logged in, but the session should not remain active after closing and reopening the browser, as indicated by the unchecked 'Keep Me Signed In' checkbox. |
| Negative Test - Invalid 'Forgot Password' Link | User is on the login page. | 1. Click on an invalid or non-functional "Forgot Password" link. | User does not get redirected to the password recovery page or sees an error message indicating that the link is invalid. | User should not get redirected to the password recovery page or see an error message indicating that the link is invalid when clicking on an invalid or non-functional "Forgot Password" link. |
| Negative Test - Invalid 'Sign up/Create an Account' Link | User is on the login page. | 1. Click on an invalid or non-functional "Sign up" or "Create an Account" link. | User does not get redirected to the registration page or sees an error message indicating that the link is invalid. | User should not get redirected to the registration page or see an error message indicating that the link is invalid when clicking on an invalid or non-functional "Sign up. |

Prompt 3:

Create edge cases and error handling scenarios for the registration process which contain the ‘Email/Username/Phone Number‘, Text box,‘Password‘ Text box,‘Login‘ Button,‘Keep Me Signed In‘ Checkbox,‘Remember Me‘ Checkbox, Link of ‘Sign up/Create an account, Link of ‘Forgot Password, CAPTCHA the https://www.asos.com/ application. Create a table having titles such as test cases summary, precondition, test steps, Actual result expected result.

| **Test Cases Summary** | **Precondition** | **Test Steps** | **Actual Result** | **Expected Result** |
| --- | --- | --- | --- | --- |
| Edge Case - Empty Registration Form | User is on the registration page. | 1. Leave all the registration fields, including email/username/phone number and password, blank.   2. Click on the "Login" button. | User sees error messages indicating that all required fields are empty. | User should see error messages indicating that all required fields are empty. |
| Edge Case - Maximum Character Limit for Email | User is on the registration page. | 1. Enter an email address with the maximum allowed characters. 2. Enter a strong password in the 'Password' text box.   3. Click on the "Login" button. | User is successfully registered and redirected to a confirmation page with the email address of the maximum allowed characters. | User should be successfully registered and redirected to a confirmation page with the email address of the maximum allowed characters. |
| Edge Case - Maximum Character Limit for Password | User is on the registration page. | 1. Enter a valid email/username/phone number in the 'Email/Username/Phone Number' text box.   2. Enter a password with the maximum allowed characters.  3. Click on the "Login" button. | User is successfully registered and redirected to a confirmation page with the password of the maximum allowed characters. | User should be successfully registered and redirected to a confirmation page with the password of the maximum allowed characters. |
| Edge Case - Maximum Character Limit for Name | User is on the registration page. | 1. Enter a valid email/username/phone number in the 'Email/Username/Phone Number' text box. 2. Enter a strong password in the 'Password' text box. 3. Enter a first and last name with the maximum allowed characters.   4. Click on the "Login" button. | User is successfully registered and redirected to a confirmation page with the first and last name of the maximum allowed characters. | User should be successfully registered and redirected to a confirmation page with the first and last name of the maximum allowed characters. |
| Error Handling - Invalid Email/Username/Phone Format | User is on the registration page. | 1. Enter an email/username/phone number with an invalid format (e.g., numbers only for email). 2. Enter a strong password in the 'Password' textbox. 3. Click on the "Login" button. | User sees an error message indicating that the email/username/phone number format is invalid. | User should see an error message indicating that the email/username/phone number format is invalid. |
| Error Handling - Email/Username/Phone Already in Use | User is on the registration page. An existing account is already registered with the provided email/username/phone number. | 1. Enter an email/username/phone number that is already in use. 2. Enter a strong password in the 'Password' text box.   . 3. Click on the "Login" button. | User sees an error message indicating that the email/username/phone number is already in use. | User should see an error message indicating that the email/username/phone number is already in use. |
| Error Handling - Password Complexity | User is on the registration page. | 1. Enter a password that does not meet the minimum complexity requirements (e.g., too short).   2. Enter a valid email/username/phone number in the 'Email/Username/Phone Number' textbox.  3. Click on the "Login" button. | User sees an error message indicating that the password does not meet the complexity requirements. | User should see an error message indicating that the password does not meet the complexity requirements. |
| Error Handling - CAPTCHA Verification Failure | User is on the registration page. | 1. Fill in all required fields with valid information. 2. Enter an incorrect CAPTCHA challenge (if required).   3. Click on the "Login" button. | User sees an error message indicating that the CAPTCHA challenge is incorrect. | User should see an error message indicating that the CAPTCHA challenge is incorrect. |
| Error Handling - 'Forgot Password' Link | User is on the login page. | 1. Click on the "Forgot Password" link, but the link is not functional or does not lead to the correct page. | User does not get redirected to the password recovery page or sees an error message indicating that the link is invalid. | User should not get redirected to the password recovery page or see an error message indicating that the link is invalid when clicking on an invalid or non-functional "Forgot Password" link. |
| Error Handling - 'Sign up/Create an Account' Link | User is on the login page. | 1. Click on the "Sign up" or "Create an Account" link, but the link is not functional or does not lead to the correct page. | User does not get redirected to the registration page or sees an error message indicating that the link is invalid. | User should not get redirected to the registration page or see an error message indicating that the link is invalid when clicking on an invalid or non-functional "Sign up" or "Create an Account" link. |
| Error Handling - Timeout on CAPTCHA Verification | User is on the registration page. | 1. Fill in all required fields with valid information. 2. Wait for an extended period (e.g., 30 minutes) without completing the CAPTCHA challenge (if required).   3. Click on the "Login" button. | User can complete the registration successfully, even after waiting for an extended period. | User can complete the registration successfully, even after waiting for an extended period. |
| Error Handling - Server Down | The registration server is temporarily down or inaccessible. | 1. Attempt to register as a new user. | User sees an appropriate error message indicating that the registration process is currently unavailable due to server issues. | User should see an appropriate error message indicating that the registration process is currently unavailable due to server issues. |
| Error Handling - Internal Server Error | The registration process encounters an internal server error. | 1. Enter valid registration details. 2. Simulate an internal server error during registration processing.   . 3. Click on the "Login" button. |  |  |

Prompt 4:

Generate test coverage report in table format for above if all the tests are passed in a numbers

| **Test Category** | **Total Test Cases** | **Passed** | **Failed** | **Test Coverage (%)** |
| --- | --- | --- | --- | --- |
| Positive Cases | 9 | 9 | 0 | 100% |
| Negative Cases | 11 | 11 | 0 | 100% |
| Edge Cases | 5 | 5 | 0 | 100% |
| Error Handling Cases | 8 | 8 | 0 | 100% |
| ****Total**** | ****33**** | ****33**** | ****0**** | ****100%**** |

Test Coverage Report:

* Total Test Cases: 33
* Passed: 33
* Failed: 0
* Test Coverage: 100%