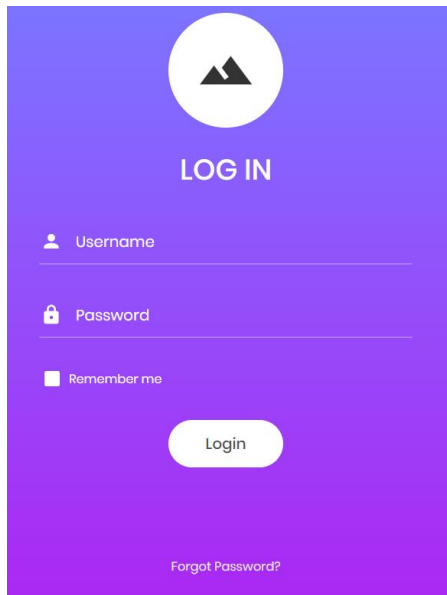


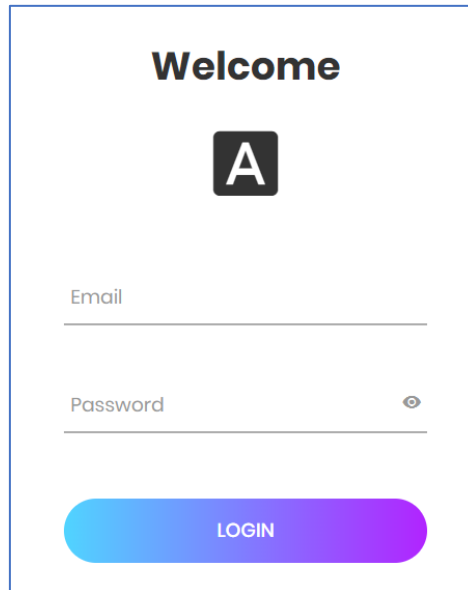
Lab05: Black box testing techniques: Decision Table Testing

Background

You are a Quality Assurance Engineer tasked with testing a web application's login page. The login page consists of two input fields (username and password) and a submit button below.



A login page with a purple-to-blue gradient background. At the top is a circular logo with a mountain icon. Below it is the text 'LOG IN'. There are two input fields: 'Username' with a person icon and 'Password' with a lock icon. A 'Remember me' checkbox is below the password field. A white 'Login' button is at the bottom. A link 'Forgot Password?' is at the very bottom.



A login page with a white background. At the top is the text 'Welcome' above a black square logo with a white letter 'A'. There are two input fields: 'Email' and 'Password'. The 'Password' field has a toggle icon (an eye) to its right. A large, rounded 'LOGIN' button with a blue-to-purple gradient is at the bottom.

Questions:

1. Decision Table Analysis (15 points)

- Create a complete decision table for the login page identifying all conditions and actions
- Identify any missing conditions or actions in the provided decision table
- Explain why each rule in the decision table is necessary

2. Test Case Development (25 points)

- Design 8 test cases based on the decision table
- For each test case, provide:
 - ✓ Test case ID
 - ✓ Test description
 - ✓ Pre-conditions
 - ✓ Test steps
 - ✓ Test data
 - ✓ Expected results

3. Edge Cases (20 points)

- Identify 3 edge cases not covered in the basic decision table

- Explain why these edge cases are important
- Design test cases for these edge cases

4. Test Execution (25 points)

- Execute all test cases on the provided login page
- Document actual results
- Compare actual vs expected results
- Report any defects found using proper defect reporting format

5. Analysis and Recommendations (15 points)

- Analyze the effectiveness of decision table testing for this scenario
- Suggest one additional testing technique that could complement decision table testing
- Provide recommendations for improving the login page's test coverage

Submission Requirements

- Submit detailed answers for all questions
- Include screenshots of test execution where relevant
- Format test cases and defect reports using provided templates

Evaluation Criteria

- Completeness of decision table analysis
- Quality and thoroughness of test cases
- Identification of edge cases
- Accuracy of test execution
- Clarity of documentation
- Quality of analysis and recommendations

Your answers:

You should read the following link to support your answers:

<https://testsigma.com/blog/decision-table-testing/>