

Coverage   Key	Name	Objective	Test Script (Step-by-Step) - Expected Result	Test Script (Step-by-Step) - Step	Test Script (Step-by-Step) - Test Data	Precondition
FNDJL-17	FNDJL- Successful Login	To verify that a user can successfully log in to the web application using valid credentials.	The user should be successfully logged into the application and redirected to the home page.	1. Open the application login page. 2. Enter a valid username in the username field. 3. Enter a valid password in the password field. 4. Click on the "Login" button.	Valid username: []Valid password: []	1. The application is installed and accessible. 2. A valid user account exists in the system with the provided test data.
FNDJL-17	FNDJL- Invalid Username	To verify that an error message is displayed when an invalid username is entered during login.	An error message should be displayed indicating that the username is not recognized.	1. Open the application login page. 2. Enter an invalid username in the username field. 3. Enter a valid password in the password field. 4. Click on the "Login" button.	Invalid username: [provide an invalid username] Valid password: [provide a valid password]	1. The application is accessible. 2. The username provided in the test data does not exist in the system.
FNDJL-17	FNDJL- Invalid Password	To verify that an error message is displayed when an invalid password is entered during login.	An error message should be displayed indicating that the password is incorrect.	1. Open the application login page. 2. Enter a valid username in the username field. 3. Enter an invalid password in the password field. 4. Click on the "Login" button.	Valid username: [provide a valid username] Invalid password: [provide an invalid password]	1. The application is accessible. 2. Precondition: A valid user account exists in the system with the username provided in the test data. 3. Precondition: The password provided in the test data is not the correct password for the specified username.
FNDJL-17	FNDJL- Blank Username and Password	To verify that an error message is displayed when both username and password fields are left blank during login.	An error message should be displayed indicating that both username and password are required.	1. Open the application login page. 2. Leave the username field blank. 3. Leave the password field blank. 4. Click on the "Login" button.	Blank usernameBlank password	The application is accessible.
FNDJL-17	FNDJL- Locked Account	To verify that an error message is displayed when a user tries to log in with an account that has been locked.	An error message should be displayed indicating that the account is locked.	1. Open the application login page. 2. Enter a valid username with a locked account. 3. Enter a valid password. 4. Click on the "Login" button.	Locked account username: [provide a username with a locked account] Valid password: [provide a valid password]	1. The application is accessible. 2. A user account exists in the system with the username provided in the test data. 3. The account associated with the provided username is locked.
FNDJL-21	FNDJL- Registration - Successful Registration	To verify that a user can successfully register by providing valid information in the registration page.	The System saves the data in backend tables. The system redirects the user to the login page.	1. Open the registration page. 2. Enter a valid first name in the "First Name" field. 3. Enter a valid last name in the "Last Name" field. 4. Enter a valid and unique email address in the "Email Address" field. 5. Enter a secure password in the "Password" field. 6. Click on the "Register" button.	First Name: John Last Name: Doe Email Address: john.doe@example.com Password: StrongP@ssword123	1. The registration page is accessible. 2. The system is in a clean state with no previous registrations using the test data.
FNDJL-21	FNDJL- Registration - Invalid Email Address	To verify that the registration process fails when an invalid email address is provided.	User receives an error message indicating that the email address is invalid. The system does not proceed with the registration process.	1. Open the registration page. 2. Enter a valid first name in the "First Name" field. 3. Enter a valid last name in the "Last Name" field. 4. Enter an invalid email address (e.g., without "@" symbol) in the	First Name: Jane Last Name: Smith Email Address: invalidemail Password: Secure123!	The registration page is accessible.

FNDJL-4	FNDJL-	Validating News Verification Process	Verify that the system accurately determines the authenticity of news based on the input text.	The system accurately classifies the news as either true or fake. A clear indication of the result is displayed.	1. Enter a valid text input containing more than 50 words and less than 500 words. 2. Click on the "Verify" button.	ext Input: "Lorem ipsum dolor sit amet, consectetur adipiscing elit..."	1. The user is on the "verify news" tab. 2, The system is functioning correctly.
FNDJL-4	FNDJL-	Text Input Validation	Ensure the system handles text inputs within the specified range.	The system should display an error message indicating that the input is too short.	1. Enter a text input with fewer than 50 words. 2. Click on the "Verify" button.	Text Input: "Lorem ipsum dolor sit amet."	The user is on the "verify news" tab.
FNDJL-4	FNDJL-	History Display	Confirm that the system accurately displays the user's search history.	The system should show a list of previous news searches with relevant details (date, result, etc.).	Navigate to the "Search History" tab.		Website is working
FNDJL-4	FNDJL-	About Us Information	Ensure the "About Us" tab provides relevant information about the application.	The page should contain information about the purpose, creators, and any other relevant details about the application.	The user is on the "About Us" tab.		Website is working
FNDJL-4	FNDJL-	Contact Page Accessibility	Confirm that users can access the "Contact" tab.	The system should display contact information or a form for users to get in touch.	Navigate to the "Contact" tab.		Website is working
FNDJL-32	FNDJL-	ML model accuracy	Verify that the machine learning model accuracy is above 90%.	The model accuracy should be above 90%.	1. Execute the machine learning model on a test dataset. 2. Record the accuracy of the model.	Test dataset with labeled samples.	1. The machine learning model is trained and deployed.
FNDJL-32	FNDJL-	Confusion matrix Accuracy	Confirm that the confusion matrix accuracy is above 90%.	The overall accuracy from the confusion matrix should be above 90%.	1. Generate the confusion matrix using the model on a test dataset. 2. Calculate the overall accuracy from the confusion matrix.	Test dataset with labeled samples.	The confusion matrix is generated for the machine learning model.
FNDJL-32	FNDJL-	F1 Score	Ensure that the F1 score is near 1 for the machine learning model.	The F1 score for each class should be near 1.	1. Execute the machine learning model on a test dataset. 2. Calculate the F1 score for each class. 3. Verify that the F1 score is near 1 for each class.	Test dataset with labeled samples.	The machine learning model is trained and deployed.