**UI Task**

1. **Contact Us Page**
2. **Contact Us – Component Tests**

**1. Subject Heading Tests**

|  |  |
| --- | --- |
| **ID** | **Test Case** |
| SH01 | Leave subject heading unselected and try submitting |
| SH02 | Select option "Customer Service" |
| SH03 | Select option "Webmaster" |
| SH04 | Select invalid option (value "0") |

**2.  Email Address Tests**

|  |  |
| --- | --- |
| **ID** | **Test Case** |
| EM01 | Leave email address empty |
| EM02 | Enter valid email address ([user@example.com](mailto:user@example.com)) |
| EM03 | Enter invalid email without @ (userexample.com) |
| EM04 | Enter invalid email without domain (user@) |
| EM05 | Enter invalid email without username (@domain.com) |
| EM06 | Enter very long email (255+ characters @example.com) |

**3. Order Reference Tests**

|  |  |
| --- | --- |
| **ID** | **Test Case** |
| OR01 | Leave order reference blank |
| OR02 | Enter alphanumeric order reference (ORD123456) |
| OR03 | Enter special characters in reference (ORD@#!) |
| OR04 | Enter extremely long reference (100+ characters) |

**4. File Upload Tests**

|  |  |
| --- | --- |
| **ID** | **Test Case** |
| FU01 | Upload no file |
| FU02 | Upload valid file (.pdf, .jpg, .png <5MB) |
| FU03 | Upload unsupported file format (.exe, .bat) |
| FU04 | Upload large file (>5MB) |

**5. Message Tests**

|  |  |
| --- | --- |
| **ID** | **Test Case** |
| MS01 | Leave message blank |
| MS02 | Enter short message (10 characters) |
| MS03 | Enter very long message (1000 characters) |
| MS04 | Enter message with HTML/script tags |

1. **Contact US Form Test Matrix**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Subject Heading** | |  | | --- | |  |   **Email** | **Order Ref** | **File Upload** | **Message** |
| **TC01** | (Not selected) "SH01" | user@example.com "EM02" | ORD123456 "OR02" | valid.pdf (<5MB) "FU02" | Short message (10 chars) "MS02" |
| **TC02** | Customer Service "SH02" | (Empty) "EM01" | |  | | --- | |  |  |  | | --- | | ORD123456 "OR02" | | valid.png (<5MB) "FU02" | Need help with order "MS02" |
| **TC03** | Webmaster "SH03" | userexample.com "EM03" | ORD123456 "OR02" | valid.png (<5MB) "FU02" | Quick question "MS02" |
| **TC04** | Customer Service "SH02" | user@ "EM04" | ORD123456 "OR02" | valid.pdf "FU02" | Info needed "MS02" |
| **TC05** | |  | | --- | |  |  |  | | --- | | Webmaster "SH03" | | @domain.com "EM05" | ORD123456 "OR02" | valid.jpg "FU02" | I’m contacting you "MS02" |
| **TC06** | Customer Service "SH02" | (Very long email) "EM06" | ORD123456 "OR02" | valid.jpg "FU02" | Long email test "MS02" |
| **TC07** | |  | | --- | |  |  |  | | --- | | Webmaster "SH03" | | user@example.com "EM02" | (Blank) "OR01" | (No file) "FU01" | Please contact me "MS02" |
| **TC08** | |  | | --- | |  |  |  | | --- | | Webmaster "SH03" | | user@example.com "EM02" | ORD@#! "OR03" | valid.pdf "FU02" | Weird ref format "MS02" |
| **TC09** | |  | | --- | |  |  |  | | --- | | Webmaster "SH03" | | |  | | --- | |  |  |  | | --- | | user@example.com "EM02" | | (100+ chars) "OR04" | valid.png "FU02" | Long order ref test "MS02" |
| **TC10** | |  | | --- | |  |  |  | | --- | | Customer Service "SH02" | | user@example.com "EM02" | ORD123456 "OR02" | virus.exe "FU03" | Check file type "MS02" |
| **TC11** | |  | | --- | |  |  |  | | --- | | Customer Service "SH02" | | user@example.com "EM02" | ORD123456 "OR02" | 6MB.jpg "FU04" | File too large "MS02" |
| **TC12** | Customer Service "SH02" | user@example.com "EM02" | ORD123456 "OR02" | (None) "FU01" | (Blank) "MS01" |
| **TC13** | Webmaster "SH03" | user@example.com "EM02" | ORD123456 "OR02" | (None) "FU01" | Short msg (10 chars) "MS02" |
| **TC14** | Customer Service "SH02" | user@example.com "EM02" | ORD123456 "OR02" | (None) "FU01" | Long msg (1000+ chars) "MS03" |
| **TC15** | Webmaster "SH03" | user@example.com "EM02" | ORD123456 "OR02" | valid.pdf "FU02" | <script>… "MS04" |
| **TC16** | Customer Service "SH02" | user@example.com "EM02" | ORD123456 "OR02" | valid.jpg "FU02" | All valid "MS02" |
| **TC17** | (Invalid option "0") "SH04" | user@example.com "EM02" | ORD123456 "OR02" | valid.pdf "FU02" | Test invalid subject value "MS02" |
| **TC18** | Webmaster "SH03" | user@example.com "EM02" | ORD123456 "OR02" | valid.jpg "FU02 | Hello again "MS02" |
| **TC19** | (Not selected) "SH01" | (Empty) "EM01" | (Blank) "OR01" | (No file) "FU01" | (Blank) "MS01" |

1. **Contact US Form Detailed Test Results**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Cases** | **Total** | Passed | Failed |
| Contact Form Tests | 19 | 15 | 4 |

**Detailed Test Cases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Test Description** | |  | | --- | |  |   **Expected Result** | **Actual Result** | **Status** |
| **TC01** | Missing subject should fail | Error message should appear | Error message appeared | Pass |
| **TC02** | Missing email should fail | Error message should appear | |  | | --- | |  |  |  | | --- | | Error message appeared | | Pass |
| **TC03** | Invalid email format (no @) should fail | Error message should appear | Error message appeared | Pass |
| **TC04** | Invalid email format (no domain) should fail | Error message should appear | Error message appeared | Pass |
| **TC05** | |  | | --- | |  |  |  | | --- | | Invalid email format (no username) should fail | | Error message should appear | Error message appeared | Pass |
| **TC06** | Very long email should fail | Error message should appear | No error message appeared, form accepted | Fail |
| **TC07** | |  | | --- | |  |  |  | | --- | | Blank order reference should pass | | Form should submit successfully | Form submitted successfully | Pass |
| **TC08** | |  | | --- | |  |  |  | | --- | | Order reference with special characters should fail | | Error message should appear | No error message appeared, form accepted | Fail |
| **TC09** | |  | | --- | |  |  |  | | --- | | Very long order reference should fail | | |  | | --- | |  |  |  | | --- | | Error message should appear | | (No error message appeared, form accepted | Fail |
| **TC10** | |  | | --- | |  |  |  |  | | --- | --- | | Invalid file type should fail |  | | Error message should appear | Error message appeared | Pass |
| **TC11** | |  | | --- | |  |  |  | | --- | | File too large should fail | | Error message should appear | No error message appeared, form accepted | Fail |
| **TC12** | Blank message should fail | Error message should appear | Error message appeared | Pass |
| **TC13** | Short message should pass | Form should submit successfully | Form submitted successfully | Pass |
| **TC14** | Very long message should pass | Form should submit successfully | Form submitted successfully | Pass |
| **TC15** | Message with script tags | Error message should appear | Error message should appear | Pass |
| **TC16** | All valid inputs should pass | Form should submit successfully | Form submitted successfully | Pass |
| **TC17** | invalid subject value (0) should fail | Error message should appear | Error message appeared | Pass |
| **TC18** | Valid submission with Webmaster subject should pass | Form should submit successfully | Form submitted successfully | Pass |
| **TC19** | All fields’ blanks should fail | Error message should appear | Error message appeared | Pass |

1. **Bug Report**

**Bug #1: Very Long Email Addresses Accepted Without Validation**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Bug ID** | BUG-001 |
| **Summary** | Contact form accepts extremely long email addresses without validation |
| **Description** | The contact form doesn't validate the length of email addresses. This could lead to potential database issues and violates the assumed requirements for proper email validation. |
| **Expected Result** | Form should display an error message indicating email is too long |
| **Actual Result** | Form accepts the submission without displaying any error message |
| **Severity** | Medium “Affects data integrity of required field” |
| **Priority** | High “Core user identification field” |

**Bug #2: Special Characters Accepted in Order Reference**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Bug ID** | BUG-002 |
| **Summary** | Contact form accepts special characters in order reference field |
| **Description** | According to requirements, the order reference field should only accept alphanumeric characters. However, the form currently allows special characters like "@", "#", "!" which could lead to data integrity issues. |
| **Expected Result** | Form should display an error message about invalid order reference format |
| **Actual Result** | Form accepts the submission without displaying any error message |
| **Severity** | Low “Optional field, still functions” |
| **Priority** | Medium “Affects data consistency” |

**Bug #3: Extremely Long Order References Accepted**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Bug ID** | BUG-003 |
| **Summary** | Contact form accepts extremely long order references without validation |
| **Description** | The form accepts order references exceeding the maximum length (30 characters per requirements) without any validation, which could lead to database issues and potential security vulnerabilities. |
| **Expected Result** | Form should display an error message indicating the order reference is too long |
| **Actual Result** | Form accepts the submission without displaying any error message |
| **Severity** | Low “Optional field, still functions” |
| **Priority** | Medium “Potential database issues” |

**Bug #4: Large Files Accepted for Upload**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Bug ID** | BUG-004 |
| **Summary** | Contact form accepts file uploads larger than 5MB limit |
| **Description** | The file upload functionality doesn't enforce the 5MB size limit as specified in the requirements. This could lead to server storage issues and potential denial of service. |
| **Expected Result** | Form should display an error message indicating the file is too large |

1. **Search Page**
2. **Detailed Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Cases** | **Total** | Passed | Failed |
| Search Tests | 1 | 0 | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Test Description** | |  | | --- | |  |   **Expected Result** | **Actual Result** | **Status** |
| **TC020** | Search for dress products | All returned products should be "dress" | Only 5 products were returned instead of the expected 7 | Fail |

1. **Bug Report**

**Bug #5: Search Results Don't Match Expected Count for "Dress"**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Bug ID** | BUG-005 |
| **Summary** | Search for "dress" – Not all returned products are dresses |
| **Description** | When searching for the term "dress", the application returns 7 products but only 5 of these products are dresses. The remaining 2 products do not contain "dress". |
| **Expected Result** | All products returned in search results should be dresses or contain "dress" in their description |
| **Actual Result** | Out of 7 products returned, only 5 are dresses or contain "dress" in their name/description |
| **Severity** | Low “Functionality works, just incomplete” |
| **Priority** | Low “Doesn't prevent core shopping experience” |