# **Feature : Posts & Articles Form**

## **Document History**

| **Document Version** | **Total Test Cases** | **Last Updated** | **Review Status** |
| --- | --- | --- | --- |
| 1.0 | 59 | September 2025 | Ready for stakeholder review |

## **Test Project Information**

| **Test Manager** | Senior QA Engineer |
| --- | --- |
| **Test Lead** | QA Team Lead |
| **Test Cycle** | 1 |
| **Build History** | 1.0.0 |
| **Date** | September 2025 |

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## **Posts & Articles Form Analysis**

| **Element** | **Type** | **Description** | **Functionality** |
| --- | --- | --- | --- |
| **Title** | Header | "Posts & Articles" | Page/section identifier |
| **User Avatar** | Image | Profile image placeholder | User identification |
| **Text Input Area** | Text Field | Placeholder: "testing message" | Primary content input |
| **File Upload Area** | Upload Zone | "Drag'n'drop or upload" | File attachment functionality |
| **Post Button** | Submit Button | "Post" | Form submission |
| **Write Article Button** | Navigation Button | "Write article" | Alternative content creation |

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## **PRD Requirements**

| **Requirement** | **Description** |
| --- | --- |
| **Feature** | Posts & Articles Form |
| **Description** | The Posts & Articles form allows users to create and submit text-based posts with optional file attachments. Users can input text content, upload files via drag-and-drop or click-to-browse functionality, and submit their posts to the platform. |
| **Purpose** | Enable users to share content, thoughts, and media through a streamlined posting interface that supports both text and multimedia content. |
| **User Problem** | Users need a simple, intuitive way to share content with their network without complex interfaces or multiple steps. |
| **User Value** | Users can quickly create posts with text and media in a single, unified interface that provides immediate feedback and validation. |
| **Assumptions** | Users have valid authentication and authorization; File uploads support common media formats; Content moderation systems are in place. |
| **Not Doing** | Advanced text formatting (rich text editor); Video upload functionality in initial release; Real-time collaboration features. |

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## **Test Plan Requirements**

| **Topic** | **Description** | **Activity** | **Size** | **Weight** | **Platform** |
| --- | --- | --- | --- | --- | --- |
| **Week 1** |  |  |  |  |  |
| Functionality | Test core posting features and input validation | • Text input validation  • File upload testing  • Form submission flows | L | 2.5 | ALL |
| Security | Validate input sanitization and security controls | • XSS prevention  • File upload security  • Authentication checks | L | 3.0 | ALL |
| **Week 2** |  |  |  |  |  |
| Performance | Measure form response times and load handling | • Load time measurement  • Concurrent user testing  • File upload performance | M | 2.0 | ALL |
| Usability | Evaluate user experience and accessibility | • UI/UX validation  • Accessibility compliance  • Cross-device testing | M | 1.5 | ALL |

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## **1. FUNCTIONALITY TESTING**

### **1.1 Test Case : Text Input Field Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_FUNC\_001** | Verify text input accepts valid text | Click on text area and enter "Sample post message" | Text appears in field, cursor active |  | WIN | CHR | Standard text input | High |  |  |
| **TC\_FUNC\_002** | Verify character limit handling | Enter text exceeding expected limit (5000+ chars) and continue typing | Character counter appears or input stops at limit |  | WIN | CHR | Test boundary conditions | High |  |  |
| **TC\_FUNC\_003** | Verify empty text submission | Leave text field empty and click "Post" button | Error message displayed or button disabled |  | WIN | CHR | Required field validation | High |  |  |
| **TC\_FUNC\_004** | Verify text formatting preservation | Enter text with line breaks and submit post | Line breaks preserved in output |  | WIN | CHR | Format preservation | Medium |  |  |
| **TC\_FUNC\_005** | Verify placeholder text behavior | Click in empty field and start typing | Placeholder disappears, user text appears |  | WIN | CHR | Placeholder behavior | High |  |  |

### **1.2 Test Case : File Upload Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_FUNC\_006** | Verify drag and drop upload | Drag valid image file to upload area and drop file | File uploaded successfully, preview shown |  | WIN | CHR | Drag & drop primary function | High |  |  |
| **TC\_FUNC\_007** | Verify click to upload | Click "upload" link and select valid file from dialog | File selection dialog opens, file uploads |  | WIN | CHR | Click-to-upload alternative | High |  |  |
| **TC\_FUNC\_008** | Verify multiple file upload | Select multiple files and attempt upload | Multiple files uploaded or appropriate limitation message |  | WIN | CHR | Multiple file handling | Medium |  |  |
| **TC\_FUNC\_009** | Verify file type restrictions | Upload non-supported file type (.exe) and attempt submission | Error message for unsupported file type |  | WIN | CHR | File type validation | High |  |  |
| **TC\_FUNC\_010** | Verify file size limits | Upload oversized file (>10MB) and attempt submission | Error message for file size exceeded |  | WIN | CHR | File size validation | High |  |  |

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### **1.3 Test Case : Form Submission Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_FUNC\_011** | Verify successful post submission | Enter valid text and click "Post" button | Post submitted successfully, confirmation shown |  | WIN | CHR | Core submission flow | High |  |  |
| **TC\_FUNC\_012** | Verify post with text and file | Enter text and upload file, then click "Post" button | Both text and file posted successfully |  | WIN | CHR | Combined content submission | High |  |  |
| **TC\_FUNC\_013** | Verify form reset after submission | Submit valid post and check form state | Form fields cleared/reset to initial state |  | WIN | CHR | Post-submission cleanup | Medium |  |  |
| **TC\_FUNC\_014** | Verify duplicate submission prevention | Submit post and immediately click "Post" again | Duplicate submission prevented |  | WIN | CHR | Double-click prevention | Medium |  |  |

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### **1.4 Test Case : Write Article Functionality**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_FUNC\_015** | Verify "Write article" button functionality | Click "Write article" button | Redirects to article creation page/modal |  | WIN | CHR | Article functionality | High |  |  |
| **TC\_FUNC\_016** | Verify article vs post differentiation | Compare article and post features | Different interfaces/options for each |  | WIN | CHR | Feature differentiation | Medium |  |  |

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## **2. SECURITY TESTING**

### **2.1 Test Case : Input Validation Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_SEC\_001** | XSS attack prevention | Enter <script>alert('xss')</script> and submit post | Script tags sanitized, no alert execution |  | WIN | CHR | XSS prevention critical | Critical |  |  |
| **TC\_SEC\_002** | SQL injection prevention | Enter '; DROP TABLE posts; -- and submit post | Input sanitized, no database impact |  | WIN | CHR | SQL injection prevention | Critical |  |  |
| **TC\_SEC\_003** | HTML injection testing | Enter malicious HTML tags <img src=x  onerror=alert(1)>  and submit post | HTML tags escaped or sanitized |  | WIN | CHR | HTML injection prevention | High |  |  |
| **TC\_SEC\_004** | Special character handling | Enter various special characters !@#$%^&\*() and submit post | Characters properly encoded/handled |  | WIN | CHR | Special character handling | Medium |  |  |

### **2.2 Test Case : File Upload Security**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_SEC\_005** | Malicious file upload prevention | Upload executable file (.exe, .bat) and attempt submission | File rejected, error message shown |  | WIN | CHR | Malicious file prevention | Critical |  |  |
| **TC\_SEC\_006** | File content validation | Upload image with embedded script and submit post | File content scanned, threats removed |  | WIN | CHR | File content scanning | High |  |  |
| **TC\_SEC\_007** | File name injection testing | Upload file with malicious filename and submit post | Filename sanitized |  | WIN | CHR | Filename injection prevention | Medium |  |  |

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### **2.3 Test Case : Authentication & Authorization**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_SEC\_008** | Unauthenticated user access | Access form without authentication and attempt to post | Redirected to login or access denied |  | WIN | CHR | Authentication requirement | High |  |  |
| **TC\_SEC\_009** | Session timeout handling | Let session expire and attempt to post | Session validation, re-authentication required |  | WIN | CHR | Session timeout handling | High |  |  |
| **TC\_SEC\_010** | CSRF protection | Submit form from external domain and check processing | CSRF token validation prevents processing |  | WIN | CHR | CSRF protection | High |  |  |

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## **3. PERFORMANCE TESTING**

### **3.1 Test Case : Load Time Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_PERF\_001** | Form load time measurement | Navigate to posts page and measure load time | Page loads within 3 seconds |  | WIN | CHR | Initial load performance | High |  |  |
| **TC\_PERF\_002** | File upload performance | Upload various file sizes and measure upload time | Upload completes within acceptable timeframe |  | WIN | CHR | File upload performance | Medium |  |  |
| **TC\_PERF\_003** | Post submission response time | Submit post and measure response time | Submission processed within 2 seconds |  | WIN | CHR | Submission response time | High |  |  |

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### **3.2 Test Case : Concurrent User Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_PERF\_004** | Multiple simultaneous posts | Simulate 100 concurrent post submissions and monitor system performance | All posts processed without errors |  | WIN | CHR | High load handling | High |  |  |
| **TC\_PERF\_005** | File upload under load | Multiple users upload files simultaneously and monitor upload performance | Uploads complete successfully under load |  | WIN | CHR | Concurrent file handling | Medium |  |  |

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## **4. USABILITY TESTING**

### **4.1 Test Case : User Interface Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_UI\_001** | Visual layout verification | View form on different screen sizes and check element alignment | Elements properly aligned and visible |  | WIN | CHR | Responsive design | High |  |  |
| **TC\_UI\_002** | Button state feedback | Click "Post" button and observe visual feedback | Button shows loading/disabled state |  | WIN | CHR | Visual feedback | Medium |  |  |
| **TC\_UI\_003** | Error message display | Trigger validation error and check error presentation | Clear, helpful error messages displayed |  | WIN | CHR | Error message clarity | High |  |  |
| **TC\_UI\_004** | Drag and drop visual feedback | Drag file over upload area and observe visual changes | Upload area highlights/changes appearance |  | WIN | CHR | Drag feedback | Medium |  |  |

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### **4.2 Test Case : Accessibility Testing**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_ACC\_001** | Keyboard navigation | Navigate form using only keyboard and test all interactive elements | All elements accessible via keyboard |  | WIN | CHR | Keyboard navigation | High |  |  |
| **TC\_ACC\_002** | Screen reader compatibility | Use screen reader to navigate form and verify element descriptions | All elements properly labeled for screen readers |  | WIN | CHR | Screen reader support | High |  |  |
| **TC\_ACC\_003** | Color contrast validation | Check text and background colors and verify contrast ratios | Meets WCAG contrast requirements |  | WIN | CHR | Accessibility compliance | Medium |  |  |
| **TC\_ACC\_004** | Focus indicators | Tab through form elements and check focus visibility | Clear focus indicators on all elements |  | WIN | CHR | Focus visibility | Medium |  |  |

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## **5. COMPATIBILITY TESTING**

### **5.1 Test Case : Browser Compatibility**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_COMP\_001** | Cross-browser functionality - Chrome | Test form functionality in Chrome | Form functions identically |  | WIN | CHR | Chrome baseline | High |  |  |
| **TC\_COMP\_002** | Cross-browser functionality - Firefox | Test form functionality in Firefox | Form functions identically |  | WIN | FFX | Firefox compatibility | High |  |  |
| **TC\_COMP\_003** | Cross-browser functionality - Edge | Test form functionality in Edge | Form functions identically |  | WIN | EDG | Edge compatibility | High |  |  |
| **TC\_COMP\_004** | Cross-browser functionality - Safari | Test form functionality in Safari | Form functions identically |  | MAC | SFR | Safari compatibility | High |  |  |
| **TC\_COMP\_005** | File upload compatibility | Test file upload in all major browsers | Upload works in all supported browsers |  | WIN | ALL | File upload cross-browser | High |  |  |
| **TC\_COMP\_006** | JavaScript compatibility | Test all interactive features in different browsers | All interactive features work properly |  | WIN | ALL | JavaScript compatibility | High |  |  |

### **5.2 Test Case : Device Compatibility**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_COMP\_007** | Mobile responsiveness | View form on mobile devices and test all functionality | Form adapts to mobile screen, fully functional |  | IOS | SFR | Mobile responsiveness | High |  |  |
| **TC\_COMP\_008** | Tablet compatibility | View form on tablet and test touch interactions | Optimized for tablet interface |  | IOS | SFR | Tablet compatibility | Medium |  |  |
| **TC\_COMP\_009** | Touch gesture support | Test drag and drop on touch devices and verify touch interactions | Touch gestures work properly |  | IOS | SFR | Touch interface | Medium |  |  |
| **TC\_COMP\_010** | Android compatibility | Test form functionality on Android devices | Form functions properly on Android |  | AND | CHR | Android compatibility | Medium |  |  |

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## **6. INTEGRATION TESTING**

### **6.1 Test Case : Backend Integration**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_INT\_001** | Database connectivity | Submit post and verify data storage | Post data correctly stored in database |  | WIN | CHR | Database connectivity | High |  |  |
| **TC\_INT\_002** | File storage integration | Upload file and verify file storage | File correctly stored in designated location |  | WIN | CHR | File storage integration | High |  |  |
| **TC\_INT\_003** | API response handling | Submit form and check API responses | Proper error handling for API failures |  | WIN | CHR | API resilience | High |  |  |

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### **6.2 Test Case : Third-party Integration**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_INT\_004** | CDN file delivery | Upload file and access uploaded file | Files served via CDN properly |  | WIN | CHR | CDN integration | Medium |  |  |
| **TC\_INT\_005** | Notification system | Submit post and check notifications | Appropriate notifications triggered |  | WIN | CHR | Notification system | Low |  |  |

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## **7. DATA VALIDATION TESTING**

### **7.1 Test Case : Input Data Validation**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_DATA\_001** | Text length validation | Enter text of various lengths and submit form | Appropriate validation for min/max length |  | WIN | CHR | Length validation | High |  |  |
| **TC\_DATA\_002** | Unicode character support | Enter Unicode characters (emojis, foreign text) and submit post | Unicode characters properly handled |  | WIN | CHR | Unicode support | Medium |  |  |
| **TC\_DATA\_003** | Whitespace handling | Enter only whitespace and submit form | Whitespace-only input properly validated |  | WIN | CHR | Whitespace handling | Medium |  |  |

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### **7.2 Test Case : File Validation**

| **Test Case ID** | **Test Description** | **Action** | **Expected Output** | **Actual Output** | **Platform** | **Browser** | **Comments** | **Priority** | **P/F** | **LOG** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TC\_DATA\_004** | Image format validation | Upload various image formats and check acceptance | Supported formats accepted, others rejected |  | WIN | CHR | Image format validation | High |  |  |
| **TC\_DATA\_005** | File corruption detection | Upload corrupted file and attempt submission | Corrupted files detected and rejected |  | WIN | CHR | File integrity check | Medium |  |  |

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## **Appendix : Test Execution Priority**

### **Critical/High Priority Tests**

* Security Tests : XSS, SQL injection, authentication.
* Core Functionality : Basic text input and submission.
* File Upload Security : Malicious file prevention.
* Authentication : Access control and session management.

### **Medium Priority Tests**

* Performance Tests : Load times and concurrent handling.
* Usability Tests : User experience and accessibility.
* Integration Tests : Backend and third-party integration.
* Browser Compatibility : Cross-browser functionality.

### **Low Priority Tests**

* Advanced Features : Article functionality.
* Edge Cases : Unicode and whitespace handling.
* Device Compatibility : Mobile and tablet testing.

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## **Appendix : Test Environment Requirements**

### **Supported Platforms and Browsers**

* Windows 10/11 : Chrome (latest), Firefox (latest), Edge (latest).
* macOS 12+ : Safari (latest), Chrome (latest), Firefox (latest).
* iOS 15+ : Safari, Chrome.
* Android 10+ : Chrome, Samsung Browser.

### **Test Data Requirements**

* User Accounts : Valid authenticated users with posting permissions.
* Test Content :
  + Sample text : Short (1-50 chars), Medium (51-500 chars), Long (501-5000 chars).
  + Special characters : Unicode, emojis, HTML entities.
  + Malicious content : XSS scripts, SQL injection attempts.
* Test Files :
  + Valid images : JPG, PNG, GIF (various sizes: 1KB-10MB).
  + Invalid files : EXE, BAT, SCR executable files.
  + Corrupted files : Damaged image headers.
* Network Conditions : Fast (>10Mbps), Slow (1-3Mbps), Intermittent connectivity.

### **Required Tools and Infrastructure**

* Load Testing : JMeter or LoadRunner for concurrent user simulation.
* Security Testing : OWASP ZAP, Burp Suite for vulnerability assessment.
* Accessibility Testing : WAVE, axe browser extensions.
* Cross-browser Testing : BrowserStack or Sauce Labs.
* Performance Monitoring : Browser DevTools, WebPageTest.
* Test Management : JIRA, TestRail, or Azure DevOps for tracking.

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## **Appendix : Risk Assessment and Mitigation Strategies**

### **High Risk Areas**

#### **1. File Upload Security (Risk Level : Critical)**

**Risk :** Malicious file uploads could compromise system security, enable server-side attacks, or expose other users to threats.

**Mitigation Strategies :**

* Implement strict file type validation (whitelist approach).
* Scan all uploads with antivirus/malware detection.
* Store uploaded files in a sandboxed environment.
* Implement file size limits and rate limiting.
* Use CDN with security scanning capabilities.

#### **2. Input Sanitization (Risk Level : Critical)**

**Risk :** XSS and injection attacks could compromise user accounts, steal sensitive data, or deface the application.

**Mitigation Strategies :**

* Implement comprehensive input validation and sanitization.
* Use parameterized queries for database interactions.
* Apply Content Security Policy (CSP) headers.
* Regular security code reviews and penetration testing.
* Automated security scanning in CI/CD pipeline.

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#### **3. Authentication and Authorization (Risk Level : High)**

**Risk :** Unauthorized access could lead to data breaches, spam posting, or content manipulation.

**Mitigation Strategies :**

* Implement robust session management.
* Use secure authentication protocols.
* Apply the principle of least privilege.
* Monitor and log all access attempts.
* Implement account lockout mechanisms.

### **Medium Risk Areas**

#### **1. Performance Degradation (Risk Level : Medium)**

**Risk :** Poor performance could impact user experience, reduce adoption, and affect system scalability.

**Mitigation Strategies :**

* Define and monitor performance SLAs (3-second load time, 2-second submission).
* Implement caching strategies.
* Use CDN for static content delivery.
* Regular performance testing and monitoring.
* Database query optimization.

#### **2. Cross-browser Compatibility (Risk Level : Medium)**

**Risk :** Feature failures on specific browsers could exclude user segments and reduce platform accessibility.

**Mitigation Strategies :**

* Comprehensive cross-browser testing matrix.
* Progressive enhancement approach.
* Feature detection instead of browser detection.
* Regular testing on new browser versions.
* Graceful degradation for unsupported features.

#### **3. Mobile User Experience (Risk Level : Medium)**

**Risk :** Poor mobile experience could limit platform accessibility and user engagement.

**Mitigation Strategies :**

* Mobile-first responsive design approach.
* Touch-friendly interface design.
* Alternative upload methods for mobile devices.
* Regular testing on various device types.
* Performance optimization for mobile networks.

### **Low Risk Areas**

#### **1. Advanced Feature Integration (Risk Level : Low)**

**Risk :** Article functionality or advanced features may not integrate properly with existing systems.

**Mitigation Strategies :**

* Incremental feature rollout.
* Feature flags for controlled deployment.
* Comprehensive integration testing.
* User acceptance testing for new features.

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## **Appendix : Issue Tracking and Management**

### **Issue Categories and Severity Levels**

#### **Categories**

* FUNC : Functionality issues and feature failures.
* SEC : Security vulnerabilities and authentication problems.
* PERF : Performance problems and slow response times.
* UI : User interface issues and usability problems.
* COMP : Compatibility problems across browsers/devices.
* ACC : Accessibility violations and compliance issues.
* INT : Integration failures and third-party service issues.
* DATA : Data validation and corruption issues.

#### **Severity Levels**

* Critical : System failure, security breach, data loss, complete feature failure.
* Major : Significant feature failure, major usability impact, performance degradation.
* Minor : Cosmetic issues, minor inconveniences, edge case failures.
* Trivial : Documentation issues, spelling errors, minor UI inconsistencies.

### **Sample Issue Documentation Format**

| Issue ID: ISS-001  Category: [FUNC]  Severity: Major  Title: File upload fails for PNG files > 5MB  Description: When users attempt to upload PNG files larger than 5MB, the upload process fails without clear error message  Steps to Reproduce:  1. Navigate to Posts & Articles form  2. Attempt to upload PNG file > 5MB  3. Click Post button  Expected Result: File uploads successfully or clear error message displayed  Actual Result: Upload fails silently, no error message shown  Test Case Reference: TC\_FUNC\_010  Platform: Windows 10, Chrome 118  Assigned To: Development Team  Status: Open  Priority: High |
| --- |

### **Issue Resolution Workflow**

1. Discovery : Issue identified during test execution.
2. Documentation : Complete issue report created with all details.
3. Triage : Development team reviews and assigns priority.
4. Resolution : Developer implements fix.
5. Verification : QA team verifies fix in test environment.
6. Closure : Issue closed after successful verification.

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## **Appendix : Test Completion Criteria**

### **Entry Criteria**

* All test environments configured and accessible.
* Test data prepared and validated.
* Required user accounts created with appropriate permissions.
* Testing tools installed and configured.
* The development team confirms the build is ready for testing.

### **Exit Criteria**

* All high and critical priority test cases executed.
* 90% of medium priority test cases executed.
* All critical and major defects resolved.
* Security testing completed with no critical vulnerabilities.
* Performance benchmarks met (3-second load time, 2-second submission).
* Cross-browser compatibility verified on all supported platforms.
* Accessibility compliance validated.
* Test summary report completed and reviewed.

### **Success Metrics**

* Defect Detection Rate : > 95% of defects found before production.
* Test Case Coverage : 100% of critical functionality tested.
* Performance Compliance : All response time SLAs met.
* Security Compliance : Zero critical security vulnerabilities.
* Browser Compatibility : 100% functionality across supported browsers.
* Accessibility Compliance : WCAG 2.1 AA standards met.

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## **Appendix : Platform and Browser Abbreviations**

### **Platform Codes**

* WIN : Windows (10/11).
* MAC : macOS (12+).
* IOS : iOS (15+).
* AND : Android (10+).

### **Browser Codes**

* CHR : Google Chrome.
* FFX : Mozilla Firefox.
* EDG : Microsoft Edge.
* SFR : Safari.
* ALL : All supported browsers.

### **Device Categories**

* Desktop : Windows/Mac computers.
* Mobile : Smartphones (iOS/Android).
* Tablet : iPad, Android tablets.