

2.1 Current vs Desired State

| Area | Current State | Desired State | Gap Description |
|----------------|-------------------------------|---------------------------------------|----------------------------------|
| Navigation | Some links broken | All links functional, clear menus | Broken links create UX friction |
| Responsiveness | Mobile layout inconsistent | Fully responsive across devices | Users struggle on small screens |
| Forms | Validation missing | Real-time validation + error messages | Incomplete data submission risk |
| Analytics | No event tracking | Track clicks, conversions | No visibility into user behavior |
| Load Speed | Pages >5s | Pages <2s | Slow load decreases engagement |
| Security | Outdated SSL, missing headers | SSL active, headers configured | Vulnerable to attacks |
| New Features | None | Blog + FAQ + Contact enhancements | Need to support content growth |

3. Requirements Traceability Matrix (RTM)

| Requirement ID | Description | Source | Status | Test Case ID |
|----------------|---|----------------------|-----------|--------------|
| R1 | Fix broken navigation links | Bug Report | Completed | TC1 |
| R2 | Make website fully responsive | Stakeholder Meeting | Completed | TC2 |
| R3 | Implement real-time form validation | Stakeholder Feedback | Completed | TC3 |
| R4 | Integrate Google Analytics event tracking | Analytics Request | Completed | TC4 |
| R5 | Implement SSL & secure headers | Security Audit | Completed | TC5 |
| R6 | Add Blog section with CMS | Business Requirement | Completed | TC6 |
| R7 | Add FAQ section | User Feedback | Completed | TC7 |
| R8 | Improve contact form UX | Stakeholder Feedback | Completed | TC8 |