

Risk-Based Test Plan for NoIdeasWorld.net

1. Objective

The objective of this test plan is to assess the core functionality, reliability, and performance of <https://www.noideasworld.net/> using a risk-based approach. The plan focuses on identifying broken links, verifying API availability, and evaluating performance under load.

2. Scope of Testing

- Included:
 - API Availability & Status (via Postman)
 - Broken Links
 - Stress Testing of Homepage (via JMeter)
 - Excluded:
 - Authentication or user login (if not present)
 - Backend database logic (not accessible)
 - Payment gateway or form submissions (not present at this time)
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3. Test Strategy

Risk Area	Risk Level	Reason
Homepage not loading	High	Site entry point – failure blocks access to all users
Broken links	Medium	Poor navigation = bad UX, SEO damage
API/server unresponsive	High	Affects all functionality; blocks tools, tracking, or integrations
High traffic crash	High	Could cause downtime or brand damage if traffic spikes unexpectedly

4. Test Types and Tools

Test Type	Description	Tool
API Test	Verify homepage and server respond with correct HTTP status	Postman
Broken Link Test	Detect and report invalid or dead links across the homepage	Dead Link Checker
Stress Test	Simulate heavy traffic to monitor server performance	Apache JMeter

5. Entry & Exit Criteria

- Entry Criteria:
 - Website is accessible
 - Tools (Postman, JMeter) are configured
 - Exit Criteria:
 - All critical and high-risk items tested
 - Bug reports documented
 - Response thresholds verified
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6. Test Scenarios

API Test via Postman

- Send a GET request to homepage
- Validate status code = 200 OK
- Check response time is under 1000ms
- Verify headers like Content-Type

Broken Link Test

- Crawl homepage
- Identify all <a href> links

- Validate no links return 404, 500, or redirect loops

Stress Test with JMeter

- Simulate 50-100 users
 - Measure:
 - Response time (avg, max)
 - Error rate %
 - Throughput (requests/sec)
 - Identify breaking point or slowdown threshold
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7. Test Deliverables

- Test Plan Document (this)
 - Postman Collection
 - JMeter Test Plan (.jmx file)
 - Bug Reports (Excel or Jira-style format)
 - Test Summary Report
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8. Timeline

Task	Duration
Test Setup	1 Day
API & Link Testing	1 Day
Load Testing	1–2 Days
Reporting	1 Day

9. Roles & Responsibilities

Role	Responsibility
QA Tester: Thomas C	Design & execute tests, report bugs, summarize results