

REGRESSION TEST PACK

Website Redevelopment Product Catalogue

Manchester Technology — manchestertech.ae

DEPARTMENT: WORDPRESS

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1 Scope, Ownership & Principles

This Regression Test Pack applies to the redeveloped WordPress website for Manchester Technology, as delivered under Statement of Work KW-SOW-WP-2024-0012. The website serves as a product catalogue and lead generation platform for office automation equipment, supporting searchable listings, individual product pages, lead capture, selective online checkout, and integrations with Google Analytics and WhatsApp. The pack covers all functional and technical requirements defined in the signed SOW, including content migration, performance, mobile responsiveness, and hosting migration.

The purpose of this pack is to ensure that all previously working features and defect fixes remain operational after any deployment, migration, or update. Each time a defect is identified and resolved, a corresponding regression check is added to this suite to prevent recurrence of the same issue. This approach protects the stability of the system and ensures that fixes are retained across future releases.

1.1 Regression Coverage Areas and Ownership

AREA	OWNER	EXECUTION TIER
Public Website & Content Pages	KrishWeb — QA Lead	Automated & Manual
Product Catalogue & Search	KrishWeb — QA Lead	Automated & Manual
Lead Generation & Enquiry Flows	KrishWeb — QA Lead	Automated & Manual
E-commerce & Checkout	KrishWeb — QA Lead	Manual
Content Management & Editorial Workflow	KrishWeb — QA Lead	Manual
Integrations (Analytics, WhatsApp)	KrishWeb — QA Lead	Manual
Hosting & Migration	KrishWeb — QA Lead	Manual
Administration & Roles	KrishWeb — QA Lead	Manual
Accessibility & Reporting	KrishWeb — QA Lead	Manual

Regression coverage is aligned to the functional and technical scope defined in the SOW. All areas are owned by KrishWeb QA Lead for test execution and maintenance.

1.2 Principles for Regression Maintenance

A regression check is added to this pack for every defect that is fixed, ensuring that the same issue does not reappear in future releases. The suite is updated continuously as new features are delivered and as issues are resolved during the project lifecycle. This process ensures that the system’s baseline behaviour is protected and that all critical business functions remain stable.

TEST EXECUTION TIMING

The regression suite is executed before every major deployment, after any migration, and following the resolution of any defect. This ensures that all previously working functionality is preserved and that no resolved issues have reoccurred.

2 Triggers & Required Scope

Regression testing for the Manchester Technology website redevelopment is required whenever a change or update could impact the functional or technical scope defined in the signed Statement of Work KW-SOW-WP-2024-0012. The triggers and required scope for regression testing are derived from the approved technical stack, integrations, and business-critical workflows implemented for this project.

2.1 Regression Test Triggers Table

CHANGE TYPE	REQUIRED REGRESSION TIER	TYPICAL DURATION (HOURS)	NOTES
WordPress core update (major/minor)	Full regression (all FR-*)	6-8	Includes all catalogue, checkout, lead, and admin flows
Plugin update (WooCommerce, forms, SEO, caching)	Targeted regression (FR-EC-*, FR-BK-*, FR-CM-09, FR-CM-10)	3-5	WooCommerce update requires checkout and payment retest
Theme or template change	Full regression (all FR-*)	6-8	Covers all public and admin pages for layout, SEO, and responsiveness
Product data import or migration	Targeted regression (FR-SE-05, FR-CM-08, FR-CM-10)	2-3	Verify catalogue, product pages, and image handling
Checkout/payment gateway config change	Targeted regression (FR-EC-01, FR-EC-02, FR-EC-03, FR-EC-04)	2-3	Covers checkout, payment, and order confirmation
Hosting migration or environment change	Full regression (all FR-*)	6-8	Includes downtime, data integrity, and all integrations
Google Analytics/Search Console integration update	Targeted regression (FR-IN-01, FR-IN-02, FR-RP-01, FR-RP-02)	1-2	Verify tracking, reporting, and goal conversion
WhatsApp integration update	Targeted regression (FR-BK-02, FR-IN-03)	1-2	Check chat button and lead capture on all relevant pages
Admin role or permission change	Targeted regression (FR-AD-04, FR-AD-05, FR-CM-07)	1-2	Test admin access, content editing, and role restrictions

CHANGE TYPE	REQUIRED REGRESSION TIER	TYPICAL DURATION (HOURS)	NOTES
SEO metadata or content update	Smoke test (FR-CM-04, FR-CM-09)	0.5-1	Check metadata, alt text, and page titles only

Regression test tier and scope are determined by the nature and impact of the change. Full regression covers all functional requirements. Targeted regression covers only affected flows. Smoke test is a minimal check for non-functional changes.

2.2 Full Regression Triggers

A full regression test is required after any major WordPress core update, theme or template change, or hosting migration. This includes retesting all catalogue, checkout, lead generation, admin, and integration flows as defined by requirements FR-CM-01 through FR-ML-01.

2.3 Targeted Regression Triggers

Targeted regression is required for plugin updates, product data imports, payment gateway configuration changes, integration updates, and admin role changes. Only the affected requirements and workflows are retested, as specified in the regression triggers table.

2.4 Smoke Test Triggers

A smoke test is sufficient for changes limited to SEO metadata or content updates that do not affect templates, plugins, or business logic. This includes updates to page titles, meta descriptions, and alt text as covered by FR-CM-04 and FR-CM-09.

2.5 Exclusions

Regression testing is not required for copy changes that do not affect page structure, logic, or integrations. Any change not listed in the regression triggers table is out of scope for regression testing unless a risk assessment indicates otherwise.

3 The Regression Suite

This regression suite defines the set of checks to be executed on the redeveloped Manchester Technology website prior to go-live, verifying that all critical business and technical requirements from the signed Statement of Work are met. Each check is mapped to a unique requirement ID from the SOW and is designed to be completed in under two minutes. The suite covers public website content, product catalogue, lead generation, e-commerce, content management, integrations, hosting, administration, accessibility, analytics, and user account requirements.

3.1 Public Website and Content Pages

ID	CHECK	EXPECTED	TIER	RESULT
REG-01	Navigate to Home, About, Solutions, Case Studies, News & Events, and Contact pages.	Each page displays the approved Manchester Technology design and branding.	Core	
REG-02	Resize browser to mobile, tablet, and desktop widths on any content page.	All content and navigation remain usable and visually consistent across devices.	Core	
REG-03	Run Google PageSpeed Insights on Home and a content page.	Score is 85 or higher on both desktop and mobile.	Core	
REG-04	Inspect SEO metadata and alt text on a content page.	Unique title, meta description, and alt text are present and relevant.	Core	
REG-05	Access News & Events section and perform a search.	Section is accessible, searchable, and returns relevant results.	Secondary	
REG-06	Open Case Studies section and view at least three case studies.	Case studies display with refreshed layout and imagery.	Secondary	

4 Test Data & Environment Reset

Regression testing for the Manchester Technology website redevelopment requires a controlled set of test data and a repeatable environment reset process. The following table details the data sets used, their purpose in testing, and the method for resetting each between test runs. All data and environment resets are performed on the staging environment, which mirrors the production configuration but is isolated from live users and data.

4.1 Test Data Sets and Reset Methods

DATA SET	PURPOSE	RESET METHOD
Products (2-3 per 5 categories)	Validate catalogue search, filters, product detail, and checkout/enquiry flows (FR-SE-01, FR-SE-02, FR-SE-03, FR-SE-04, FR-EC-01, FR-EC-02)	Restore from baseline import file; remove test orders and enquiries
Categories (5)	Test filtering, navigation, and admin management (FR-SE-01, FR-CM-07)	Re-import baseline categories; verify structure matches SOW
Case Studies	Verify display, layout, and migration accuracy (FR-CM-06, FR-CM-08)	Restore from baseline content export
News & Events	Test SEO, search, and content migration (FR-CM-05, FR-CM-08)	Restore from baseline content export
Enquiry Forms & Submissions	Validate lead capture, admin access, and analytics tracking (FR-BK-01, FR-BK-03, FR-RP-02)	Clear all form submissions; reset forms to default state
Orders (if checkout enabled)	Test checkout, payment, and order confirmation (FR-EC-01, FR-EC-04)	Delete all test orders; reset WooCommerce order data
Admin Users & Roles	Test admin access, permissions, and editorial workflow (FR-CM-07, FR-AD-04, FR-AD-05)	Restore admin/editor accounts to baseline; remove test users
Images & Media	Validate image upload, optimization, and alt text (FR-CM-10, FR-CM-08)	Restore media library from baseline; remove test uploads
SEO Metadata	Test SEO editing and migration (FR-CM-04, FR-CM-09, FR-CM-08)	Re-import baseline metadata; verify against SOW requirements

All resets are performed on the staging environment. No live data or credentials are used in testing.

4.2 Environment Reset Procedures

- The staging environment is refreshed from a clean backup before each regression test cycle.
- All test data is loaded from controlled import files prepared for this project.
- Test orders, enquiries, and user accounts created during testing are deleted after each run.
- Media uploads and content changes are reverted to the baseline state using automated scripts.
- WooCommerce and form plugins are reset to remove all transactional data.
- SEO and analytics configurations are restored to the baseline to ensure consistent test conditions.

4.3 Data Integrity and Isolation

Test data is isolated from production data at all times. No real customer information or live credentials are used in the staging environment. All resets are verified before the start of each test cycle to ensure a consistent and repeatable baseline for regression testing.

4.4 Note on Resetting Between Runs

ENVIRONMENT CONSISTENCY

Resetting the environment between regression test runs is mandatory to prevent data contamination and ensure that test results are reliable and reproducible. Any deviation from the baseline must be reported and corrected before proceeding with further testing.

5 Defect Handling & Sign-off

All regression defects identified during testing of the Manchester Technology website redevelopment must be triaged and resolved prior to release. A regression defect is defined as any failure of a previously working feature or requirement, as specified in the signed Statement of Work (KW-SOW-WP-2024-0012), that is detected during regression testing on the staging or production environment.

5.1 Defect Severity Classification

SEVERITY	DESCRIPTION	RESPONSE REQUIREMENT	RELEASE IMPACT
Critical	Defect causes complete loss of core functionality or data, or blocks user from completing a required action as per SOW.	Immediate fix required before release.	Blocks release. Override only by Akshar (Client Contact) and KrishaWeb Project Manager.
Major	Defect causes significant loss of functionality or incorrect results, but a workaround exists.	Fix required before release.	Blocks release. Override only by Akshar (Client Contact) and KrishaWeb Project Manager.
Minor	Defect causes minor loss of function or cosmetic issue with no impact on core requirements.	Fix required before release unless both parties agree to defer.	Does not block release if both Akshar (Client Contact) and KrishaWeb Project Manager approve deferral.
Trivial	Defect is cosmetic or does not affect functionality or user experience.	May be deferred to post-launch by mutual agreement.	Does not block release.

Defect severity and release impact for Manchester Technology website regression testing.

5.2 Defect Logging and Communication

All defects must be logged in the agreed defect tracking system, including severity, requirement ID, environment, steps to reproduce, and screenshots or supporting evidence. The KrishaWeb Project Manager is responsible for daily defect triage and status updates. Akshar (Client Contact) will be notified of all Critical and Major defects within one business day.

5.3 Defect Resolution and Retest

Defects must be resolved in accordance with their severity classification. Once a defect is marked as fixed, it must be retested by the KrishaWeb QA team. No regression defect classified as Critical or Major may be

marked as closed without retest and confirmation by both KrishaWeb QA and Akshar (Client Contact) or their delegate.

5.4 Release Blockers and Override Authority

By default, any unresolved Critical or Major regression defect blocks release to production. The only parties authorized to override this block are Akshar (Client Contact) for Manchester Technology and the KrishnaWeb Project Manager, both of whom must provide written approval to proceed with release despite open defects.

5.5 Sign-off

Signing below confirms agreement to the defect handling and release process for the Manchester Technology website redevelopment. Release to production will not proceed with unresolved Critical or Major regression defects unless explicitly approved in writing by both parties.

**Manchester Technology —
Akshar (Client Contact)**

SIGNATURE

NAME & DATE

KrishaWeb — Project Manager

SIGNATURE

NAME & DATE

KrishaWeb — Technical Lead

SIGNATURE

NAME & DATE