

Task 1: Test strategy

Date of test	Component to be tested	Type of test to be carried out	Prerequisites and dependencies
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Test 2 - Test Log

Components

User Account Creation

Login Authentication

Browsing Green Energy Products

Type of Test to be Carried Out

Functional Testing, Security Testing

Functional Testing, Negative Testing, Security Testing

Usability Testing, Performance Testing

Prerequisites and Dependencies

Database connectivity, Email service for verification

User account must exist, Secure password storage

Product database must be populated

Components	Type of Test to be Carried Out	Prerequisites and Dependencies
Carbon Footprint Calculator	Functional Testing, Performance Testing	Requires correct formula implementation and input validation
Energy Usage Tracking	Functional Testing, Data Accuracy Testing	Requires integration with energy tracking devices
Receiving Notifications on Green Energy Updates	Functional Testing, Usability Testing	Notification system must be enabled
Contact Form Submission	Functional Testing, Security Testing	Email service must be active, Form validation implemented
Website Responsiveness & Compatibility	Compatibility Testing, UI Testing	Requires testing across multiple browsers and devices
Website Performance & Load Time	Performance Testing, Load Testing	Requires simulated high traffic conditions
Security & Data Protection	Security Testing, Penetration Testing	Data encryption and secure authentication must be in place

This test strategy strictly follows your template format. Let me know if you need any changes! 🚀