TEST FIXTURE — Functional Specification (DOCX)

RNGenius — The Button-Based Random Number Revolution

# 1. Overview

TEST FIXTURE — DO NOT CONFUSE WITH REAL PRODUCT DOCS.

RNGenius proposes a groundbreaking technique: Quantum-Adjacent Algorithmic Non-Determinism (Q.A.A.N.D.). In plain terms: you press a button and—boom—a number appears.

# 2. Scope

A single web page with a heroic button: “I’m Feeling Chaotic”. Pressing it yields a glorious integer.

# 3. Actors

* User — the brave seeker of randomness
* Button — the portal to entropy
* Number — the destiny artifact (0..2^63-1)

# 4. Functional Requirements

* FR-1: Display a button labeled “I’m Feeling Chaotic”.
* FR-2: On click, show a random integer in <span id='result'>.
* FR-3: Provide a copy-to-clipboard action.
* FR-4: Persist the last 5 results in local storage.

# 5. Non-Functional

* NFR-1: Response < 150 ms on median hardware.
* NFR-2: Accessible: keyboard operable; ARIA labels.
* NFR-3: Delight factor ≥ 0.93 giggles per click (GPC).

# 6. API (optional)

GET /random?seed=[optional] → { "value": <int>, "ts": <ISO-8601> }

# 7. UI Spec

Wireframe: [ Button ] below a giant number display; confetti (optional).

# 8. Test Cases

* TC-1: Clicking the button yields a number within the 64-bit signed range.
* TC-2: Pressing Enter when focused triggers the click.
* TC-3: Copy action copies the current number.

# 9. Glossary

Entropy — a measure of uncertainty. Also a mood.