
Software Requirements Specification (SRS)

System: "The Internet" – UI Component and Web Behavior Demonstration Site

Base URL: <https://the-internet.herokuapp.com/>

1. Introduction

1.1 Purpose

The purpose of this SRS is to define the observable functional and non-functional requirements of the public web application hosted at <https://the-internet.herokuapp.com/>. The site provides a collection of independent examples demonstrating common web UI components, behaviors, and edge cases, primarily for use in web automation, QA training, and exploratory testing scenarios.

The document is based exclusively on behaviors, content, and interactions observable from the deployed site and does not rely on any unverified implementation assumptions.

1.2 Intended Users

The primary intended users inferred from the site content are:

- QA engineers and test automation engineers exploring UI automation scenarios (e.g., dynamic content, frames, JavaScript alerts, broken images, etc.).
- Developers and SDETs (Software Development Engineers in Test) experimenting with locators and asynchronous behaviors.
- Trainers, educators, and learners using the site as a demo system for practicing and demonstrating web testing techniques.

End-users are assumed to be technically proficient and familiar with basic web navigation.

1.3 Scope

The system consists of:

- A home page listing multiple independent "example" pages and links to them.
- A set of self-contained example pages, each demonstrating a specific UI pattern or behavior such as:
 - Static and dynamic content
 - Forms and authentication

- Alerts and modals
- Tables and data structures
- Layout constructs (frames, shadow DOM, large DOM, shifting content)
- Browser-related behaviors (status codes, multiple windows, context menus, JavaScript errors, geolocation)

Each example page is functionally independent and can be accessed directly via URL or through the homepage navigation.

The scope of this SRS includes:

- All pages and features listed on the home page's "Available Examples" section.
- Core observable behaviors of each feature page, including UI elements, user-triggered actions, and resulting feedback.
- Cross-cutting behaviors such as navigation and layout.

The scope excludes any back-end systems not visible from the browser and any undocumented behaviors not observable from the UI.

2. System Overview

2.1 High-Level Description

"The Internet" application is a static, example-driven site composed of multiple independent demonstration modules. Each module:

- Is accessible via a dedicated URL path, typically `/feature_name` (e.g., `/login`, `/checkboxes`, `/dynamic_controls`).
- Presents descriptive text explaining the example's purpose, often with explicit statements about how content changes across page loads or interactions (e.g., dynamic content, typos, shifting content).
- Provides minimalistic UI controls (links, buttons, inputs, sliders, tables) with intentionally simple layout and styling.