Test Plan Document

For

The-Internet

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Test Plan

1 Introduction

The purpose of this test plan is to outline the scope and resources of testing the
The-Internet website and how the testing will be conducted. Which items will be tested,
the types of tests, the personnel responsible for developing and executing the tests, the
resources required for developing and executing the tests, and the risks associated with
the testing. The-Internet website is found here: https://the-internet.herokuapp.com

2 Test Strategy

2.1 Scope of Testing

2.1.1 Features to be Tested

The website organizes its functions into individual pages. Tests will be conducted on
each page present.

Function	Applicable Roles	Description
Add/Remove Elements	Customer	Adds and removes a button from the DOM
Basic Authentication	Customer	Basic authentication via alert window that allows access to page
Broken Images	Customer	Displays broken images with working images
Challenging DOM	Customer	Displays a table, canvas element, and buttons with unique IDs
Checkboxes	Customer	Displays two checkboxes
Context Menu	Customer	Displays a pop-up alert when right clicking an element
Digest Authentication	Customer	Digest authentication that allows access to page
Disappearing Elements	Customer	Displays buttons with a certain one appearing and disappearing randomly with each page load
Drag and Drop	Customer	Displays two drag and droppable elements
Dropdown	Customer	Displays a dropdown menu with two options
Dynamic Content	Customer	Displays random content on each page load

Dynamic Controls	Customer	Utilizes asynchronous changing of elements
Dynamic Loading	Customer	Loads/displays elements after loading via JavaScript
Entry Ad	Customer	Displays a modal window on page load
Exit Intent	Customer	Displays a modal window when user moves mouse out of viewport pane
File Download	Customer	Hosts a list of files to download
File Upload	Customer	Displays input for file uploads
Floating Menu	Customer	Page that features a floating menu at the top
Forgot Password	Customer	Basic password retrieval interface with an input field for the user's email
Form Authentication	Customer	Basic form authentication with username and password input and a login success page
Geolocation	Customer	Gets and displays user's latitude and longitude
Horizontal Slider	Customer	Displays a slider controllable with mouse and arrow keys
Hovers	Customer	Displays profile information when hovering the mouse over profile images
Infinite Scroll	Customer	Creates new elements when the user scrolls to the bottom of the page
Inputs	Customer	Basic integer input field
JQuery UI Menus	Customer	Displays JQuery menu with links to other pages and downloadable files
JavaScript Alerts	Customer	Has buttons to display different kinds of JavaScript alerts
JavaScript Onload Event Error	Customer	Page that always has a JavaScript onload error
Key Presses	Customer	Detects the user's key presses and displays the last pressed key

Large and Deep DOM	Customer	Contains nested lists and a large table
Multiple Windows	Customer	Contains a link that opens a new window
Nested Frames	Customer	Displays 4 separate frames, some of them nested
Notification Messages	Customer	Generates a flash message at the top of the page on load
Redirect Link	Customer	Contains a link to a redirected page
Secure File Download	Customer	Displays a list of downloadable files but user has to login before accessing the page
Shadow DOM	Customer	Contains shadow elements in the DOM
Shifting Content	Customer	Displays elements that shift position on the page with each page load
Slow Resources	Customer	Sends a GET request that takes 30 seconds to respond
Sortable Data Tables	Customer	Displays two data tables
Status Codes	Customer	Links to three pages that respond with different status codes
Typos	Customer	Sometimes displays a typo on page
WYSIWYG Editor	Customer	Contains a TinyMCE WYSIWYG text editor

2.1.1 Features not to be Tested
- Hardware Interfaces
- Security
- Performance

2.2 Test Types
The only type of tests that will be conducted on The-Internet will be a mixture of user interface and functional tests. The tests will determine if the user interface of the website functions as intended. No other test types will be conducted.

3 Test Objectives

The goal of these tests is to verify that every relevant element of the user interface functions according to its intended purpose. This goal extends to every page featured on the website to ensure that the website's interface functions properly for the user.

4 Test Criteria

4.1 Exit Criteria

Specifies the successful completion of testing
- Run rate must be 100% unless special circumstances arise
- Pass rate is 90%, achieving the pass rate is required

5 Resource Planning

5.1 System Resources

Resource	Description
Network	Wireless internet speed of at least 250 Mb/s
Computer	One computer running Windows 10 with 8GB RAM and a 6 core 2375Mhz processor

5.2 Human Resources

Resource	Description
Tester	Select testing tools/technology Set up testing environment Develop and execute test scripts

6 Test Environment

The test environment will be a single computer connected to The-Internet's web server via wireless internet connection. All development and execution of the tests will be done on this same computer.

7 Tools

List of tools used in development and execution of the tests:
- Python
- Selenium
- Selenium-wire
- PyAutoIt
- Unittest
- Google Chrome
- Chromedriver

8 Risks

Risks associated with conducting the tests:
- Any future modifications to the website that may render the tests unusable

9 Deliverables

Deliverables for this project include:
- Test Plan document
- Source code for tests