Testing user interfaces (GUI) and web applications

Assignment

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Test the UI/UX of the Mayo Clinic website: Create 5 bugs in compliance with all the requirements for bug reporting.

** Screenshots are clickable for full view **

BUG 1

AC:

Let's say that 'patients should be able to create a new account using their 7-digit clinic number'

Title: Clinic number misses validation, under 7 digits.

Environment: Lenovo 80Q0 - Windows 10 PRO 64bit x Chrome Version 115.0.5790.111 (Official Build) (64-bit)

Note! This bug can be reproduced on all browsers and devices > 🌱 **Beet Sprout — dive deeper into practice**

Description: When entering the clinic number, the form alerts for a minimum number of 5 digits but passes for validation with 6, although 7 digits are requested.

Steps to reproduce:
- Open **https://signup.mayoclinic.org/**
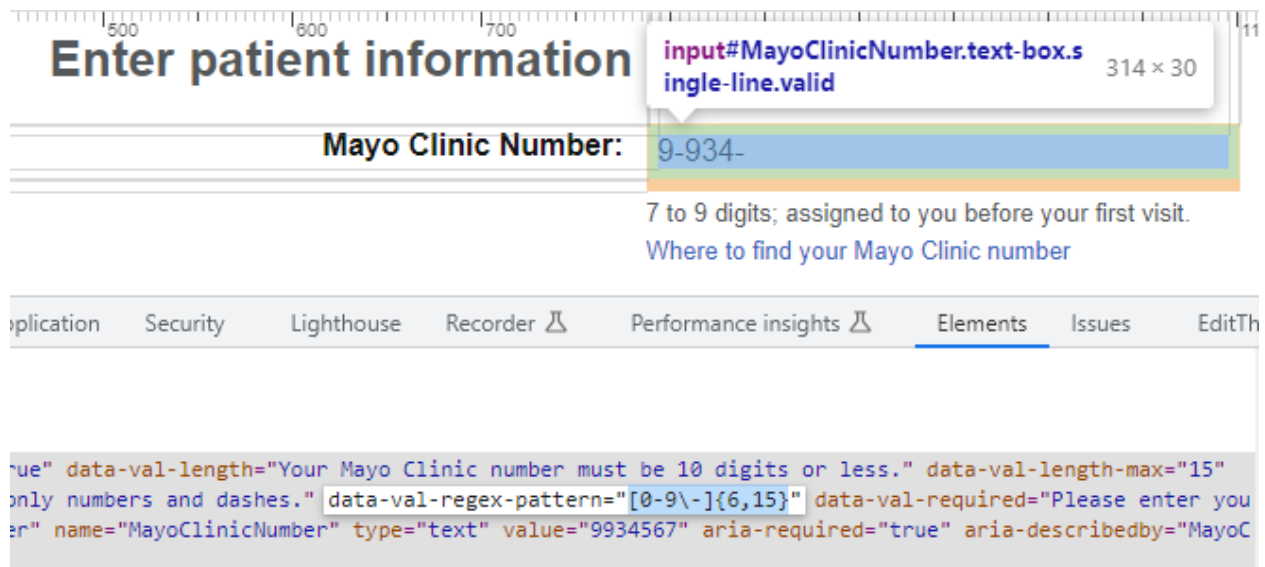- Fill the clinic number with 6 digits.

Expected results:
- Users should be alerted with the field validation error for invalid clinic number.

Actual results:
- Users can submit the form with the invalid field.

Additional:

SS1 # BUG 1

{6.15} being the min and max input, and since I'm not testing under official requirements I wont find the logic to allow more or less digits for a medical nr.?

BUG 2

AC:

Let's say that I should test the performance under Google's guidelines, as a requirement so I can report the following:

Title: Slowed performance on page load due to DOM size

Environment: HeadlessChromium 114.0.5735.179 with lr

Note! This bug affects all devices and browsers according to individual performance.

Description:
While analyzing the performance tests, on Lighthouse, it was pointed out that DOM's size is ineffectively long due to the alphabet facet.

Steps to reproduce:

- Open **https://signup.mayoclinic.org/**
- Inspect any of the alphabet facet's elements, such as 'A'

- Run in console the following commands:
  document.getElementsByTagName("*").length for total DOM size

- Run in console the following commands:
  document.getElementsByClassName("cmp-alphabet-facet--letter").length for total facet elements nr

- Each : **cmp-alphabet-facet--letter** result has a **depth of 50 in the DOM**

- **Therefore : 26x50** = **1,300** occupying the total **3,358** DOM size.

Expected results:
- **N/A**

Actual results:
- **N/A**

Additional:
SS2 # BUG 2
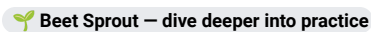
BUG 3

AC:

Users should be able to tap back to the top of the page using the `cmp-back-to-top__Button`. **When browsing the Diseases&Conditions' page.**

Title: Inaccessible back to top button, overlapping with Feedback's button.

Environment: **iPhone 13 mini**, **iOS 16**., **Chrome** for iOS v 115.0.5790.160, **Viewport** mobile Landscape

Note ❗ This bug affects all devices and browsers with the viewport of <= 904px in Width ❗

🌱 **Beet Sprout — dive deeper into practice**

Description:
While browsing any letter picked from the lookup menu Diseases & Conditions, I cannot tap back on the progressive back-to-top button because it overlaps with the Feedback button, redirecting me to the Feedback page.

Steps to reproduce:

-   Open **https://mayoclinic.org/**

-   Scroll down to 'Find diseases & conditions by first letter' with the alphabet facet below.

-   Pick the 'S' letter

-   Scroll down until the list ends, notice the Feedback button drops below the list and the button is not overlapped anymore.

-   Scroll back slightly, until Feedback button overlaps again the progressive back-to-top one
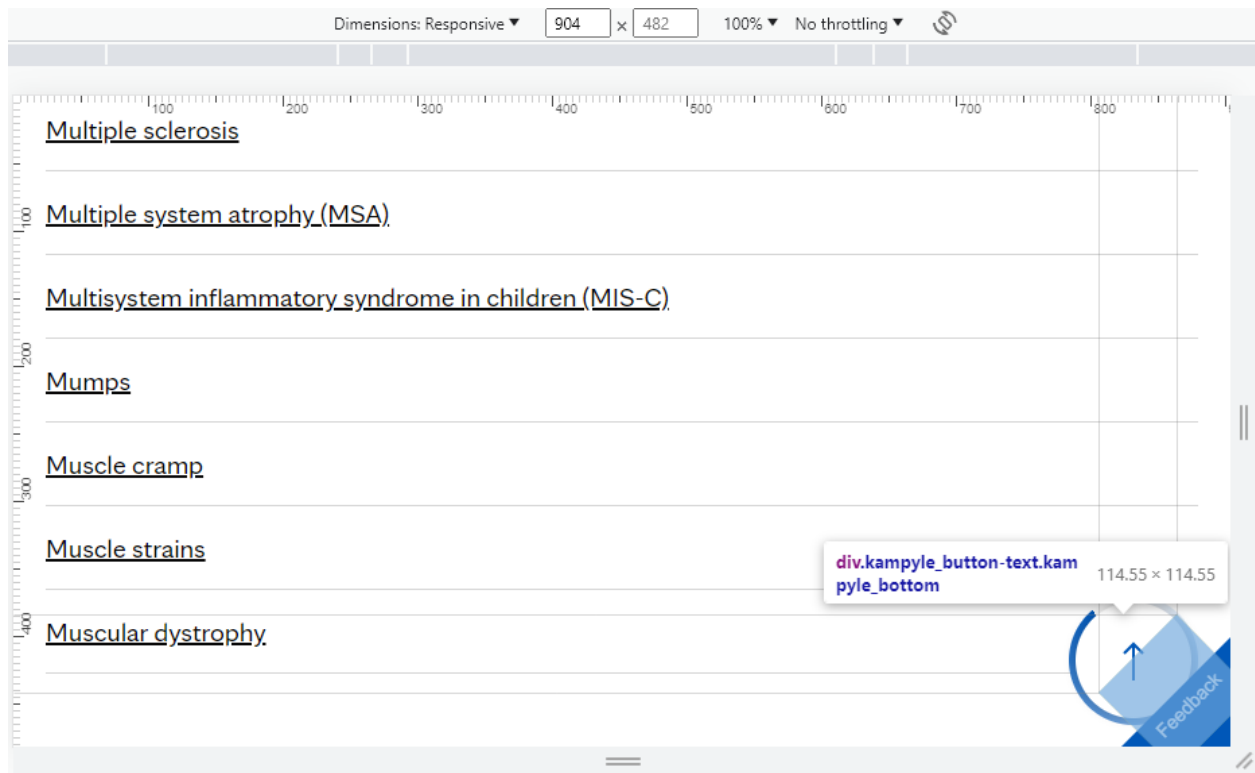
-   Tap on the back-to-top button

Expected results:
-   **Users should be bounced back to the top of the page.**

Actual results:
-   **Users are redirected to the 'We'd love your feedback!' page instead.**

Additional:
SS3 # BUG 3

BUG 4

AC:

The registration form under the Sign up page should validate the email address format.

Title: Email field in the register forms, misses out full validation.

Environment:Lenovo 80Q0 - Windows 10 PRO 64bit x Chrome Version 115.0.5790.111 (Official Build) (64-bit)

Note! This bug can be reproduced on all browsers and devices > 🌱 Beet Sprout — dive deeper into practice

Description:
When completing the form, in the email field : the form can identify that the email is **invalid only if it misses out the '@' character**, it doesn't check the full SLD and TLD format.

Steps to reproduce:

- Open **https://signup.mayoclinic.org/**

- Fill out the rest of the form with any valid data, except the email.

- Fill in the email address with 'juxy' only, the form recognizes it's invalid

- Fill in the email address with 'juxy@' only, the form recognizes it's valid.
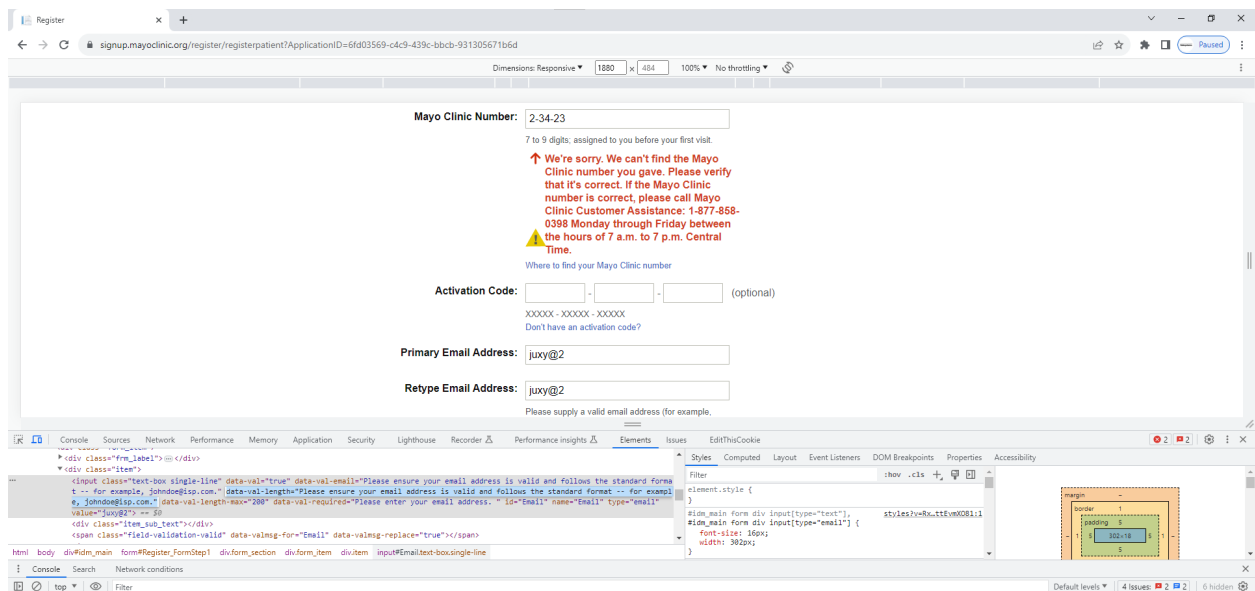

Expected results:
- **Users should be alerted for invalid email format.**

Actual results:
- **Users are able to submit the form with the invalid email.**

Additional:
SS4 # BUG 4

Severity: High
Priority: High

Marked as high, since patients are guided only by an informal message, without validation the confirmation email could be sent to an invalid address.