Decription for my project 'Zmeiv steep'

Hi, I think I need to do detailed description. At first I want to answer for all questions from Portfolio Gran Rubric, than I talk about why I use this little bit strange colors, and why change one of the screen views. I had uploaded my project in a Github.

Let's start,

URL for my site: https://nosferatum2.github.io/WD4E/WD4ECapstone/Final_project/index.html

1. **Does the site validate?**

   URL for w3c validation of my site:
   https://validator.w3.org/nu/?doc=https%3A%2F%2Fnosferatum2.github.io%2FWD4E%2FWD4EC apstone%2FFinal_project%2Findex.html

   It's fully validates. This warning related with I no need to get heading a map. Users visually understandable that is map.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for https://nosferatum2.github.io/WD4E/WD4ECapstone/Final_project/index.html

Checker Input

Show ☐ source ☐ outline ☐ image report [Options...]

Check by address ▾

    https://nosferatum2.github.io/WD4E/WD4ECapstone/Final_project/index.html

[Check]

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

[Message Filtering]

1. **Warning** Section lacks heading. Consider using `h2` - `h6` elements to add identifying headings to all sections.

   From line 138, column 3; to line 138, column 25

   ection>↵   `<section id="location">`↵   cd

Document checking completed.

Used the HTML parser. Externally specified character encoding was utf-8.
Total execution time 94 milliseconds.

About this checker · Report an issue · Version: 21.1.13

2. **Is the site responsive?**

   At first I planned to do only two different views – mobile view and large screen. But when I read once again the task I was a little bit wrong, because I need to do a unique look/layout for each of the views.

    And I did three unique layouts for:

- Mobile view and tablets;

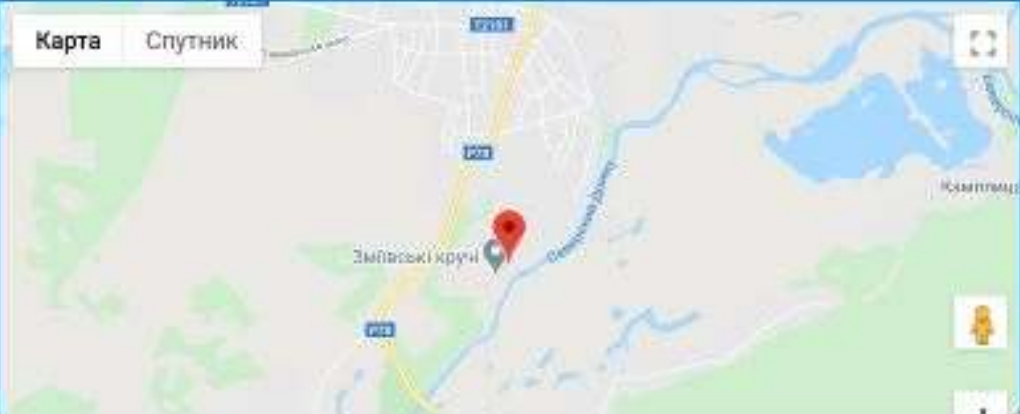Nature of Zmiev   History   Location   Contact   About

Zmiev steep
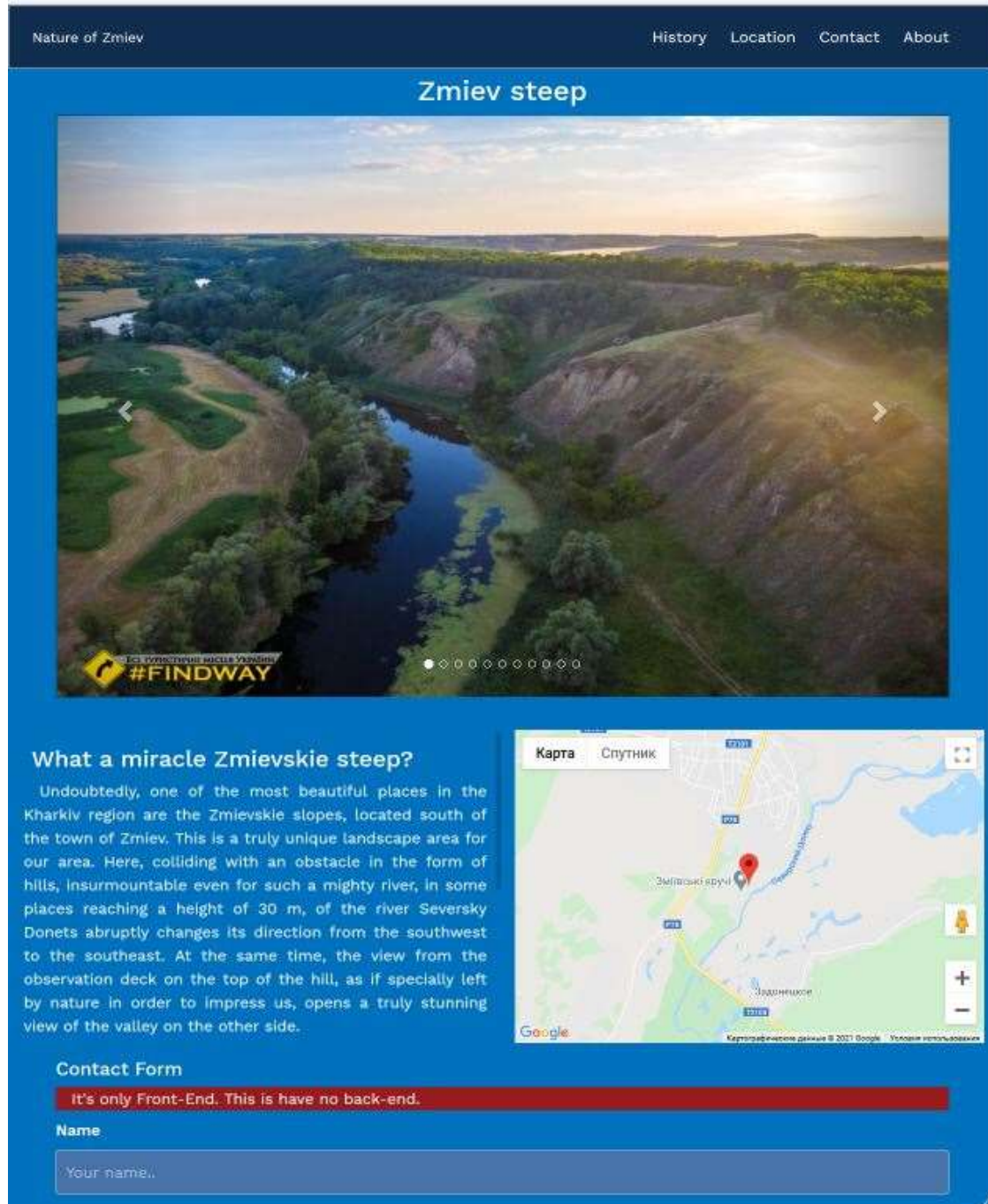

What a miracle Zmievskie steep?

Undoubtedly, one of the most beautiful places in the Kharkiv region are the Zmievskie slopes, located south of the town of Zmiev. This is a truly unique landscape area for our area. Here, colliding with an obstacle in the form of hills, insurmountable even for such a mighty river, in some places reaching a height of 30 m, of the river Seversky Donets abruptly changes its direction from the southwest to the southeast. At the same time, the view from the observation deck on the top of the hill, as if specially left by nature in order to impress us, opens a truly stunning view of the valley on the other side.

Kharkiv romantics call this place "the valley of fogs", lovers of admiring the starry sky, a wonderful natural observatory, numerous bicycle and auto tourists found the Zmievskie steep an ideal place for parking. On the Internet, you can get an amazing feeling, everyone experiences, standing on the edge of a tall hill and watching the majestic landscape unfolding in front of him. Therefore, without postponing the next weekend, with friends or yourself, go there. You will definitely not regret it! Moreover, there are still many interesting places in the vicinity.

- Large screen.

The difference between of them:
- Mobile view have navbar hamburger styled, in first section 2 photos and button of download more photos, all sections situated vertically. Have no Carousel.
- Medium screen have visible navbar links, in first section displayed Carousel, all sections situated vertically. Have no 2 photos and button of download more photos.
- Large screen looks like a medium screen, but sections History and Location situated side-by-side.

3. **Is the site well-styled?**

For navbar and photos I used Bootstrap 3 because it's saves development time.
I used one of the best practices of dependencies between backgrounds and font colors.

Contrast Checker

Foreground Color

#FFFFFF

Lightness

Background Color

#0071BC

Lightness

Contrast Ratio
5.13:1

permalink

Normal Text

WCAG AA: **Pass**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**
WCAG AAA: **Pass**

The five boxing wizards jump quickly.
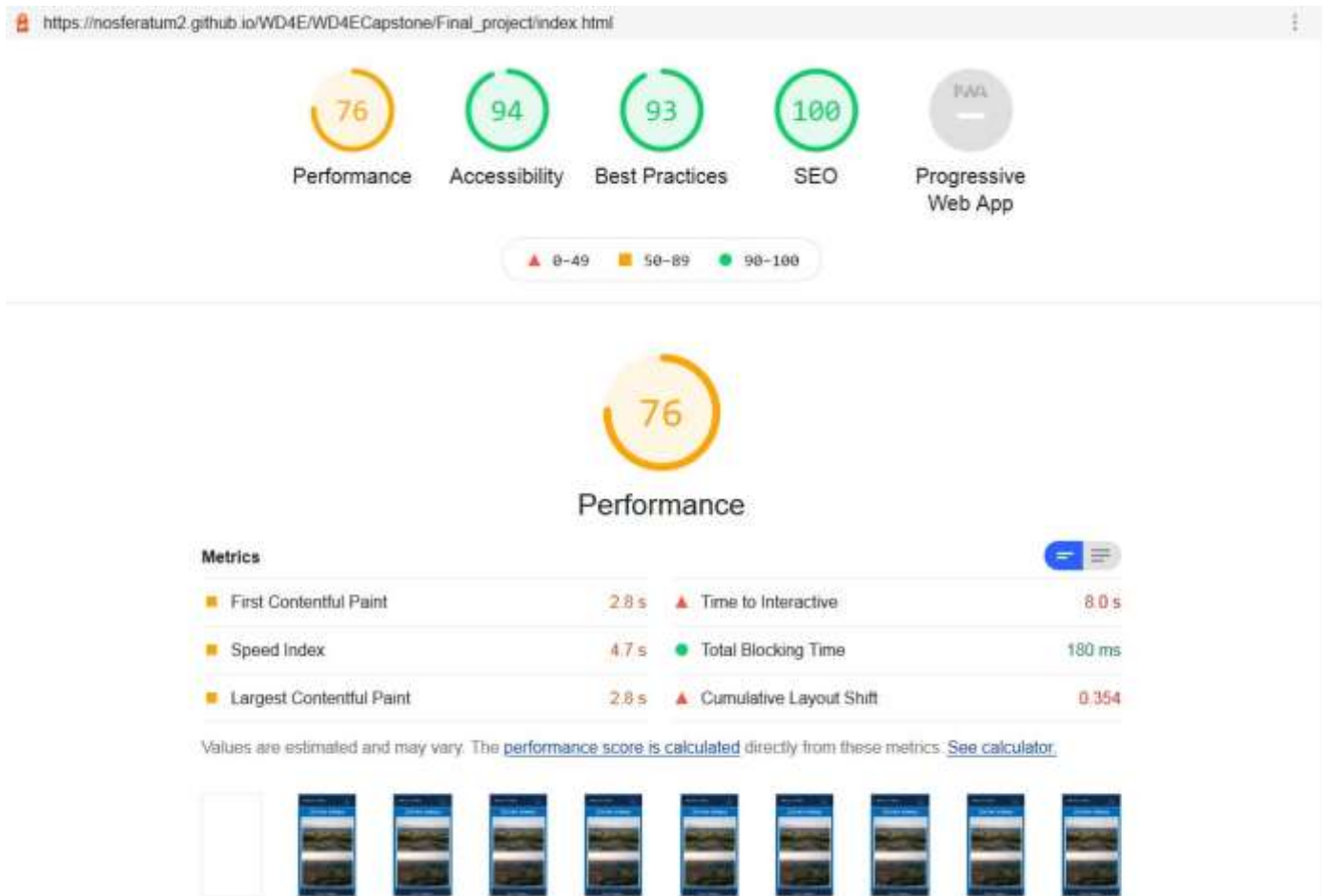
Graphical Objects and User Interface Components

WCAG AA: **Pass**

✓

Text Input

4. **Are the images incorporated effectively?**

I use Lighthouse Report Viewer (not an advertisement) Add-on for more detail analysis of my project. It shows me, that I need to change images format in next-gen formats, which means faster downloads and less data consumption. (I have not come to this yet). Also need to correct some minor issues.

https://nosferatum2.github.io/WD4E/WD4ECapstone/Final_project/index.html

76	94	93	100	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0-49   ■ 50-89   ● 90-100

76

Performance

Metrics			
■ First Contentful Paint	2.8 s	▲ Time to Interactive	8.0 s
■ Speed Index	4.7 s	● Total Blocking Time	180 ms
■ Largest Contentful Paint	2.8 s	▲ Cumulative Layout Shift	0.354

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

5. **Successfully demonstrated the ability to enhance their site?**

My own JS:
- When the user scrolls down, hides the navbar, pop-up "Go to top" Button. When the user scrolls up, shows the navbar, hides "Go to top" Button.
  I took logic from google and rewrite it at first to hide navbar onscroll, then I add my own wrote code with a parallel pop-up button "Go to Top".
- 'Show more' button is my own code. With help of JS documentation I wrote a series of actions I need to do with the photo (insert an img element with path to file / alt / class values) that my site displays correctly. Then I putted it in a loop for rendering and download all photos which my list consists. After that actions the button becomes invisible and little bit smaller, which have a nice look.
- Google map full integration, it's not a iframe. I adjusted the marker and zoom in accordance with the Google Map documentation as I think it is the best option for viewing in my case.

Enhancements!!

My project includes:
- custom JavaScript
- Enhance the accessibility of your page (You can use Tab only for navigate through key elements)
- a Carousel for images (turned off the automatic start)

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- a three viewport layouts (mobile view, medium-screen and large-screen)

I used flex for align a content in the footer because I needed to align text and content (fontawesome icons) in my URLs not only horizontal than vertical.