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Programming Usable Interfaces  
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## Final Project Write-Up

<https://victoriaye.com/puifinal/>  
<https://github.com/viymye/puifinal>

*i. What is the purpose of your website?*

The purpose of the website is to explain the facts, history, and story of the Yellowstone Wolves.

*ii. What information do you convey with your website?*

The website conveys information about Yellowstone Wolves.

*iii. How is it interesting and engaging?*

Although the content may not in itself be interesting to those not as fascinated by nature, it is made more engaging through transitions, animations, and illustrations. Text is broken up into visually engaging visuals.

*iv. Who is the target audience?*

The target audience is anyone interested in the past of Yellowstone and how the natural environment has evolved over time.

*b. Use a bulleted list to describe how a user would interact with your website.*

- Scroll on page
  - Parallax header
  - Animated images
  - Animated lines

*c. Describe what external tool you used (JavaScript library, Web API, animations, or other).*

*i. Name of tool*

- Anime.js
- ScrollReveal

*ii. Why you chose to use it? (2-4 sentences max)*

I chose to use anime.js because it made it easy to animate SVGs on the page. I used ScrollReveal to make it very simple to reveal only divs I wanted to at particular points on the page.

*iii. How you used it? (2-4 sentences max)*

I used anime.js to animate the line drawings on the page, and used ScrollReveal to fade in divs as the user scrolls.

*iv. What it adds to your website? (2-4 sentences max)*

Parallax header grabs attention, increases visual appeal and user delight, creates the illusion of depth, immediately inspires wonder in the beauty that is Yellowstone Park. Animated line drawings draw attention downwards in the direction users should keep reading, and similarly, fading in divs reduce the number of items in sight and the cognitive load and only show important information that the user needs to see on the page at the time.

*d. Describe how you iterated on your HW7 mockups, if at all, including any changes you made to your original design while you were implementing your website. (2-4 sentences max)*

I kept the website almost entirely the same, with the exception of getting rid of some superfluous graphics that were not entirely necessary to expressing the main point of the page.

*e. What challenges did you experience in implementing your website? (2-4 sentences max)*

The greatest challenge was making the site responsive. Many of the elements of the page needed to be completely re-styled for mobile screens.