

HTML & a Bit of JS Homework

Global Grads, September 2023

Author: Gabriel Gutu-Robu

Contact: gabi.gutu@gmail.com

1. Implement a website like the attached screenshot using Bootstrap/Tailwind/Material UI and/or Flex design/Grid system.
 - a. The dropdowns displayed at the top of the page should contain minimum 5 destinations (“Leave From” and “To”). These fields must be populated using JavaScript when the page loads (they can be defined in a static array).
 - b. The image at the top of the page should change at regular intervals (hint: bootstrap carousel, or any other JavaScript carousel library may be used).
 - c. When hovering over the images displayed in the cards, replace the original image with another one (each replaced image must be unique among others).
2. Implement minimum 3 different types of CSS animations on the buttons or pictures from your website (it is your choice which type of animations you will use).
3. Make your website valid – go to <https://validator.w3.org/> and only upload your homework after you make the page valid.

Requirements:

1. You may use any images you like (A lorem ipsum for images is here – <http://picsum.photos>)
2. For the icons at the bottom of the page (Facebook, Twitter, etc.) you may use the Font Awesome library (<https://fontawesome.com/>) or another similar one.
3. The “Depart” element must be a date picker (a calendar).
4. Clicking the “Search” button should filter randomly the displayed accomodations.
5. Use semantic HTML 5 tags wherever they might occur (use at least 5 different tags).
6. Add an “easter egg”¹ inside the page (e.g.: when you double click the copyright text, one random image would “explode”).
7. Add a README file that explains what your choices for the above requirements when you had to choose.

Grading Scale:

- Use Bootstrap, Tailwind, Grid or Flex – 1p
- Populate dropdowns with JS – 1p
- Implement a carousel for the background image – 1p
- Hovering images changes them – 1p
- CSS Animations (min. 3) – 1.5p
- Website is valid at W3 Validator – 1p
- Date picker works – 0.5p
- Semantic HTML 5 tags (min. 5) – 1p
- Search button randomizes data – 1p
- Easter egg – 1p (bonus 1p for the most innovative)
- README file exists – minus 2p if absent

¹ [https://en.wikipedia.org/wiki/Easter_egg_\(media\)](https://en.wikipedia.org/wiki/Easter_egg_(media))