

ASSIGNMENT 1

The purpose of this assignment is for the student to practice topics discussed in class on HTML5, CSS3, JavaScript and interactivity with APIs. Class auditors are not expected to turn in a solution to the problem set.

Description:

Create a personal Web site.

You are required to complete the following tasks:

1. Wireframes (10%) (hand-drawn)
 - a. The header and footer have to be the same for the three pages
 - b. Put the following logo on the header:
https://en.wikipedia.org/wiki/File:Random_App_Logo.png
 - c. Put a title on the header. The title is your name
 - d. The footer should have your name and the copyright. Also, the icons and links for Facebook, LinkedIn and Twitter. Use the following links <http://facebook.com/#> , <http://twitter.com/#> , <http://linkedin.com/#>
 - e. Include a way (e.g., sidebar, menu) to redirect to three pages. The three pages are explained below.
 - f. The index page is the “Home” page
2. “Home” page (20%)
 - a. Use a full screen html5 page background video. Use a video from YouTube
 - b. Include an online image from the following source <http://lorempixel.com/400/200/>. It should be compatible with retina image
 - c. Use the following API to get a text that works as a brief description of the site
<https://baconipsum.com/api/?type=all-meat¶s=2&start-with-lorem=3&format=json>
3. “About Me” page (20%)
 - a. Consume the json API <https://randomuser.me/api/> (e.g., using jQuery)
 - i. Show the data as a business card design
 - ii. On the card, show a picture from the retrieved list. It should be compatible with retina image
 - iii. Show the location information on a map (use Google Maps API). The location should have a marker on the map with a descriptive title
4. “Contact Me” page (20%)
 - a. Put a form with the following fields: name, email, phone number, date, message and a button send.
 - i. All fields are required
 - ii. All fields have to be validated based on the information they ask (e.g., the email, phone number). Use HTML5
 - iii. When the send button is clicked, show a modal window with the message
 1. “Your information is correct”, if all fields are complete
 2. “Complete your information”, if one field is empty
5. CSS (20%)
 - a. You are required to use a CSS preprocessor for the entire design
 - b. Choose the combination of grids, colors, fonts, etc. of your preference
6. HTML5 and CSS3 (10%)
 - a. Choose one element and add animation to it (e.g., animate a picture when it is clicked). Choose the animation of your preference
 - b. The solution has to be responsive

7. Bonus mark (10%)
 - a. If you use parallax scrolling

Deliverable Resources

- a. The project in a .zip file: LastName_FirstName_code.zip
- b. The wireframes in a .pdf file: LastName_FirstName_wireframes.pdf.
 - a. Mention which css preprocessor you used.

The design must fulfil the concepts presented in class and specially:

- CSS preprocessors
- HTML5 and CSS3
- Grids and Colors
- Responsive design
- Media queries

Notes:

- All the images must be consumed online
- Use the following web sites as reference
 - <https://zu.com/>
 - <https://www.vendasta.com/>