**Web Site Building with CSS**

**Final Exam**

Part 1

1. Based on your experience, what is the most challenging part in CSS. Why? Explain with details.10/100
   1. Making a responsive web and cross-browser compatible. I tried my assigments on my Asus smartphone with chrome and Iphone 5 with Safari. It was pretty hard to make them all look fine.
   2. It is very easy to make the css look very messy and not organized if you don’t keep comments and groups of styles together.
   3. Parallax effect + responsive web = headaches.
2. What is parallax and how can you create the effect with only using CSS. 10/100
   1. It creates a 3D effect by making the background moving slower than the foreground. That gives the idea of depth between elements.
   2. Create a div with position: absolute inside a container position: relative with some height and background image and manipulate how faster the div scroll by changing the style transformY() in JS as described below.

window.onscroll = function(){

let scrollTop = (window.pageYOffset !== undefined) ? window.pageYOffset : (document.documentElement || document.body.parentNode || document.body).scrollTop;

let **ratio =** scrollTop/10;

document.getElementsByClassName(**'my\_div'**)[0].style.transform =

`translateY(-${**ratio**}%)`;

}

Part 2

Create a sigle web page site by using your html, js and css skills with the following features

1. Start your html structure with a heade(100% wide), continue with nav(100% wide) and after your menu(add 4 menu items) (10/100)
2. After your navigation part add a slide show. You can use the same example that we did in class. Align your slide show in the middle of the screen. Add some screenshots from your design in Bowling and pizza website. (20/100)
3. After slide show add an animation and create small balls animating from right to left of the screen with different speed. (20/100)
4. Add a footer at the end and align a copyright 2018 and copy right symbol vertically and horizontally. (10)
5. Please use favicon and think about SEO as well. (5/100)
6. Please make your website simple and clean. Make it responsive. Validate, format and prefix css (15/100)

Good luck!