

## Week 3 assignment for CEN311

### 1) Responsive navigation bar

You have to create a horizontal navigation bar similar to the one in figure 1. One of the tabs in the navigation bar should contain a dropdown that is visible once you hover the tab.

The navbar should also be responsive. When you shrink the screen size, the navbar should be vertical.

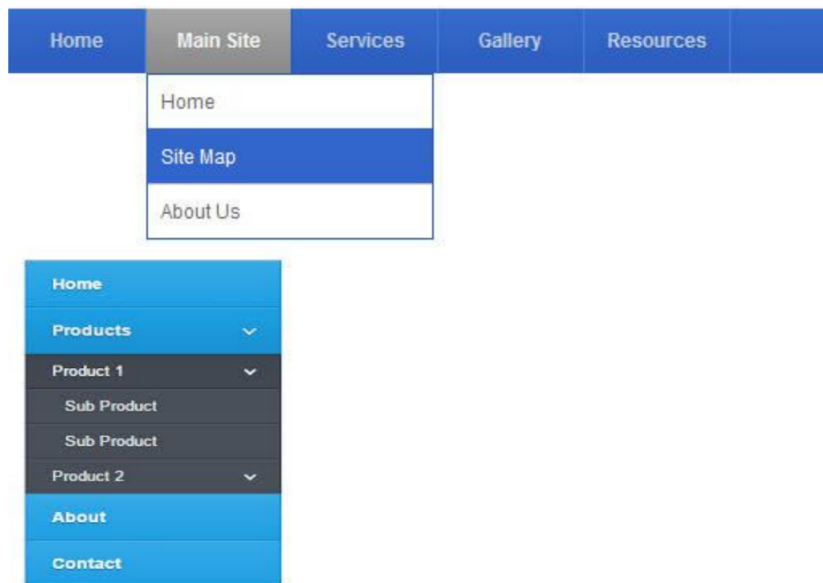
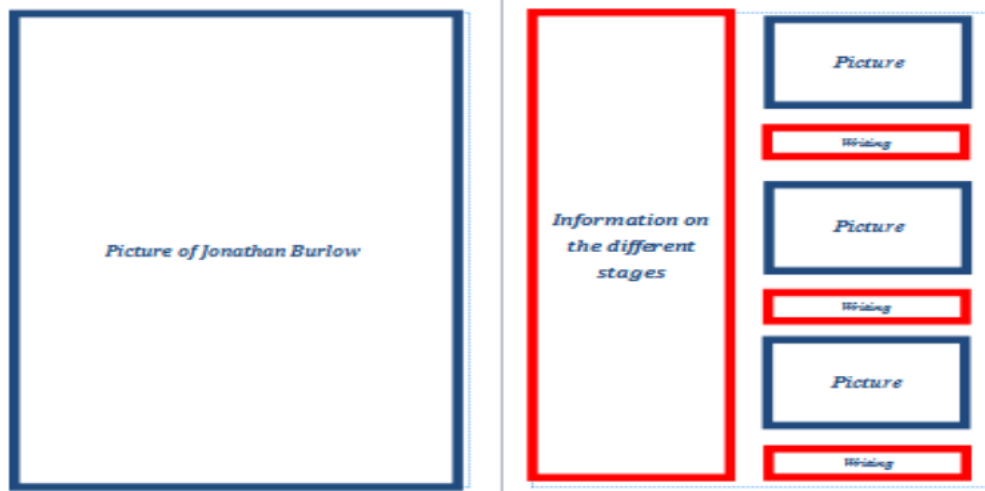


Figure 1: Responsive navbar

### 2) Grid with CSS flex

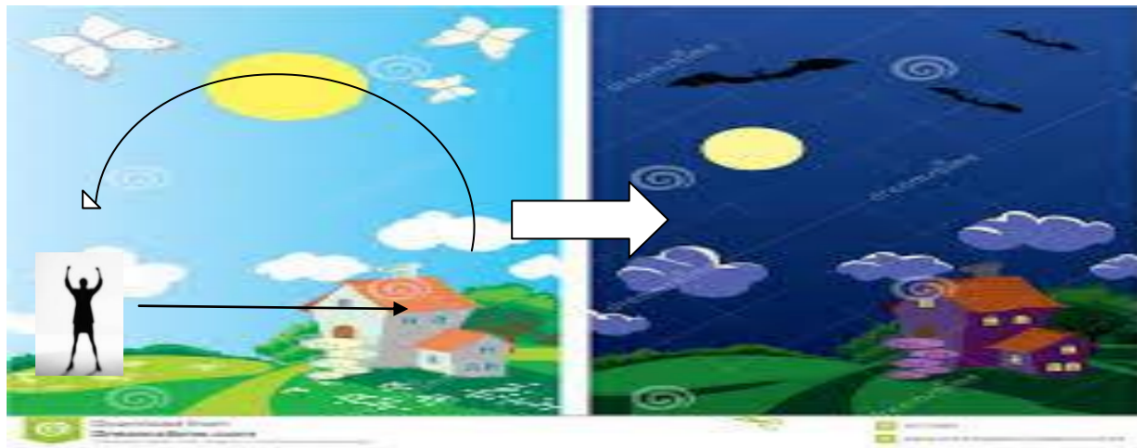
Create the grid in figure 2 using CSS flex box



### 3) CSS Animations

In this exercise you should make use of CSS animations and transitions.

You can choose something on your own to implement them. In case you want to challenge yourself, have a look at the exercise below.



You will have to create some animation similar to the image above. In the beginning a man should be shown over some green area with the sun in the middle of the page. The background (the sky) should be blue. As time passes by, the man should start moving to the right, the sun should begin to go down, the sky should start getting darker. Then the moon should start going up and the man should start moving again. Then the moon should start going down, the sky will start to get brighter and later the sun should come up again. This operation should be repeated infinitely. You may use different images to create the animation based on the image above.

### **\*\*IMPORTANT**

All 3 exercises should be included into a single HTML page (call it index.html). CSS styles should be included into a different directory inside your working directory like the structure below. Zip your working directory and upload it on LMS.

your\_working\_dir

styles

your\_style1.css

your\_style2.css

....

your\_styleN.css

index.html