# Department of Computing

**CS-344: Web Engineering**

**Class:** BSCS-5 AB

# Lab 05: CSS3

**Date: March 16, 2017**

**Time: 1000-1300**

# Instructor: Dr. Asad Ali Shah

# Lab Engineer: Qasim Ali Khan

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# Lab 05: CSS3

### Introduction:

Students have learned advanced CSS concepts of designing web pages. In this lab, student will practically implement those concepts.

### Lab Objectives:

The objective of this lab is to help students in designing layout of a web page using divisions and CSS. Students will apply different HTML tags and CSS styling concepts they have learned in the lectures to design the layout of a web page.

### Tools:

Dreamweaver, notepad, notepad++, sublime text, browser.

### Helping Material:

Lecture slides.

W3Schools: https://www.w3schools.com/css/css3\_animations.asp

<https://www.w3schools.com/css/css3_transitions.asp>

**Transition Example:**

<!DOCTYPE html>

<html>

<head>

<style>

div {

width: 100px;

height: 100px;

background: red;

transition: width 2s 0.5s ease-in-out;

}

div:hover {

width: 400px;

}

</style>

</head>

<body>

<div></div>

<p>Hover over the div element above.</p>

</body>

</html>

**Animation Example:**

<!DOCTYPE html>

<html>

<head>

<style>

div {

width: 100px;

height: 100px;

position: relative;

background-color: red;

animation-name: example;

animation-duration: 4s;

animation-timing-function: ease-in-out;

}

@keyframes example {

0% {background-color: red; left:0px;}

50% {background-color: yellow; left:200px;}

100% {background-color: red; left:0px;}

}

</style>

</head>

<body>

<div></div>

</body>

</html>

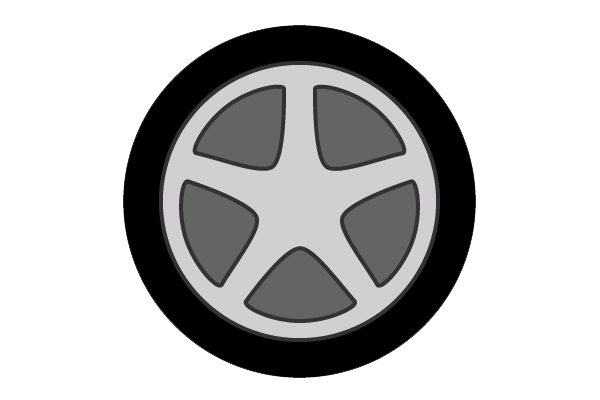
### Lab Task

### Task 1

Design Vertical drop down menu with transition. The drop down box to appear on hover should appear smoothly.

**Task 2:**

Create an animation of car that starts slowly, then moves fast after coming to a stop slowly. Then repeat the same process in reverse and continue this indefinitely. Use the following images for this task. You can use the following images for the task



**Hints**

1. You can change the color scheme as per your choice.
2. You are encouraged to use most of the HTML tags you have learned so far or even new tags, which you can learn from W3Schools. (Use of divs & Pseudo Classes)
3. Make good use of HTML colors, fonts, font-family, font-sizes and other styles for the ***look and feel*** of the web page.
4. Make sure to test your website with different resolutions by changing the resolution of your screen.

**Important:** Upload you html and CSS files along with the solution.

|  |
| --- |
| Solution |
| Screenshot of web page  HTML Code |

### Deliverables

Compile a single word document by filling in the solution part , Description and submit this Word file on LMS. You must include your name, ID, and class on first page. The lab grading policy is as follows: The lab is graded between 0 to 10 marks. For some of the labs, students have to present their solutions in a viva session. In case of any problems with submissions on LMS, you should contact your lab engineer Mr. Qasim Ali Khan by email at [qasim.khan@seecs.edu.pk](mailto:qasim.khan@seecs.edu.pk).