Web Engineering Lab 2

**Name:** Shah Nawaz Khan

**Reg#:** 05382

# Introduction

This is my simple approach to creating a visual representation of the Solar System using HTML and CSS3.

# Approach

I used a simple background-image to set the background image of the page to stars. Then I used overlapping divs to create the orbits for the different planets. Unfortunately, I couldn’t create hollow circles for the orbits so you will see that the orbits for different planets are showing up as solid circles of different colors.

* Yellow is the Sun.
* Grey for Mercury’s orbit.
* Red for Venus’s orbit.
* Green for Earth’s orbit.
* Blue for Mars’s orbit.
* Aqua for Jupiter’s orbit.
* Black for Saturn’s orbit.
* Dark Grey for Uranus’s orbit.
* White for Neptune’s orbit.
* Orange for Pluto’s orbit.

I used keyframes to animate the rotation of the planets around the Sun. I took help from this website: <http://www.useragentman.com/blog/2013/03/03/animating-circular-paths-using-css3-transitions/>

It has been specified in the website that I could change the radius of the orbits by changing the value of translateX(). Unfortunately, it didn’t seem to work in my case and I wasn’t able to find the cause in time.

In the final file, you can see the planet Mercury is orbiting the Sun. However, its orbit is completely out of place. I wasn’t able to add the other planets as when I do, it looks completely bizarre and I couldn’t figure out how to fix it in time.

# GitHub Repo Link