**CSS Exercise Handout: Creating an Interactive Smiley**

**Introduction**

This document specifies the exercise problems for the topic of CSS. It tests the student's level of knowledge and understanding of CSS. The document consists of a set of problems that the student needs to solve and submit to the trainer, in the format specified in the Deliverable section of this document.

This exercise should be performed only after the theory and workshop sessions on the topic, ensuring the student has enough knowledge and confidence. Ideally, the student should solve the problems independently; however, they can seek assistance from the trainer or lab assistant if necessary.

**Objectives**

The objectives of this exercise are to test the student's understanding and knowledge of CSS and to allow them to apply that knowledge to a practical problem. This helps reinforce their learning and prepares them for further programming endeavors.

**Problem: Create an Interactive Smiley Using CSS**

**Features to be Developed**

1. **Static Smiley Face**:
   * Create an HTML page with a smiley face using basic HTML and CSS.
   * The smiley face should consist of a circular face, two eyes, and a mouth.
2. **Interactive Features**:
   * When the user hovers over the eye, the eyeball should rotate.
   * When the user hovers over the mouth, it should transform from a neutral expression to a smile.

**Step-by-Step Instructions**

1. **HTML Structure**:
   * Create a basic HTML structure for the smiley face.
2. **CSS Styling**:

* Apply CSS to style the smiley face.

**Deliverable**

Create an HTML file with CSS styling for the smiley. Submit the code via GitHub or any other preferred version control system.

**Demo**

The student should demonstrate the program to the instructor on a PC, explaining each feature one by one.

**Conclusion**

This exercise aims to test and reinforce the student's understanding of CSS by applying it to create an interactive smiley face. By completing this exercise, students will gain practical experience in using CSS to add interactivity to web elements.