Kayra Berk Akşit 29007 CS 405 Assignment 2

The purpose of this assignment was to modify an existing fragment shader in the redbox.js file to change the color of a red box from red to blue. The assignment content included two files: Assignment2.html and redbox.js. The task required modifying the "fragmentShaderSource" in the redbox.js file without making any changes to the Assignment2.html file. This report outlines the methodology and the steps taken to complete the assignment.

Methodology:

To achieve the desired color change from red to blue, the following steps were taken:

Modifying the Fragment Shader:

I edited the "fragmentShaderSource" variable to change the color from red to blue. To do this, I modified the fragment shader code.

The modification involved changing the values in the vec4 to set the color to blue, with RGB values of (0.0, 0.0, 1.0), while leaving the alpha channel (transparency) as 1.0 to maintain full opacity.