

ProSensia Frontend Development Internship

Week 2 - Day 4 Report

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Topics Covered

- CSS Borders
- CSS Backgrounds
- Box and Text Shadows
- CSS Gradients

Detailed Explanation

1. CSS Borders

Borders are used to visually define the edges of an HTML element. We explored how to control the width, style, and color of borders using properties like:

- border-width
- border-style (solid, dashed, dotted, double, etc.)
- border-color

We also covered shorthand property and how to apply borders individually to each side (top, right, bottom, left).

2. CSS Backgrounds

Background properties in CSS allow us to enhance the visual aesthetics of a webpage. Topics included:

- background-color
- background-image
- background-repeat
- background-size
- background-position

We also looked into using multiple background layers.

3. Shadows

We explored how to add depth using shadows. The two key properties discussed were:

- box-shadow: for adding shadow to containers/divs.
- text-shadow: for creating stylistic effects on text.

We learned how to adjust parameters like offset-x, offset-y, blur-radius, and color to control shadow appearance.

4. CSS Gradients

Gradients enable smooth transitions between two or more colors. We explored:

- linear-gradient: transition in a straight line (top to bottom, left to right, etc.)
- radial-gradient: transition that radiates from a center point

These gradients were applied as background images for a range of elements.

Practical Implementation

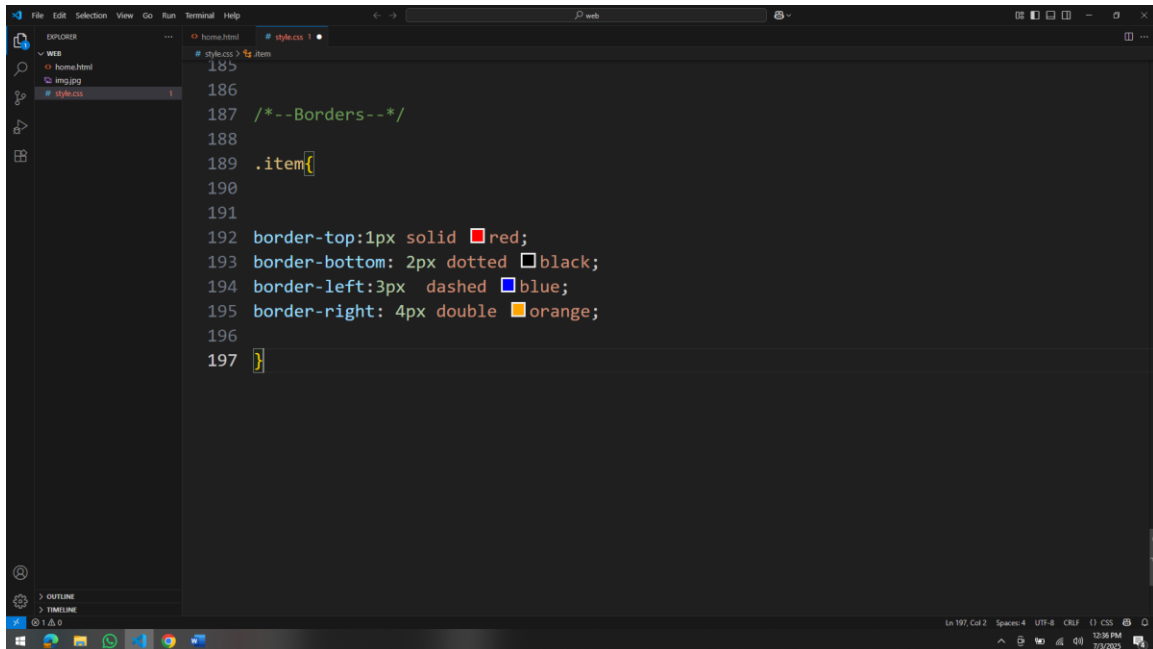
We implemented all the learned CSS properties in a sample webpage. The page included styled boxes and text, demonstrating borders with various styles, colored and image backgrounds, elegant text and box shadows, and beautiful linear and radial gradients.

Sample Code Snippet

```
```css
.box {
 border: 2px solid #000;
 background: linear-gradient(to right, #ff7e5f, #feb47b);
 box-shadow: 5px 5px 15px rgba(0,0,0,0.3);
 padding: 20px;
 color: white;
}
```
```

Screenshots:

1.Borders:

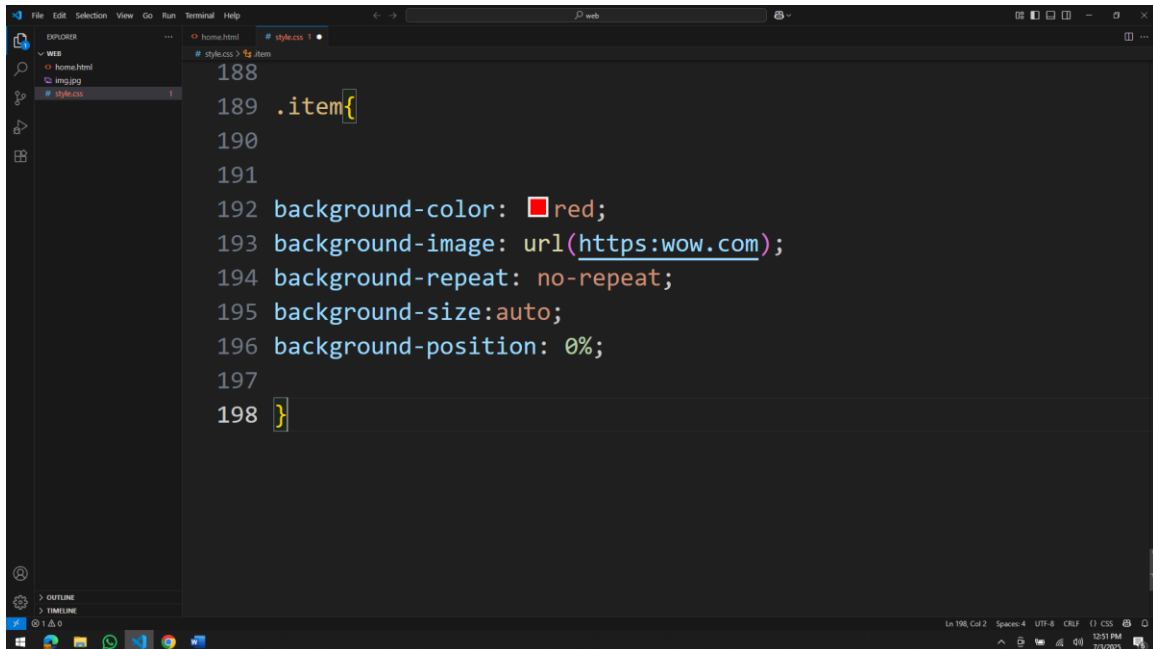


A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows a project named 'home.html' with files 'home.html', 'img.jpg', and 'style.css'. The 'style.css' file is open in the main editor. The code in the editor is as follows:

```
185
186
187 /*--Borders--*/
188
189 .item{
190
191
192 border-top:1px solid red;
193 border-bottom: 2px dotted black;
194 border-left:3px dashed blue;
195 border-right: 4px double orange;
196
197 }
```

The status bar at the bottom indicates 'Ln 197, Col 2', 'Spaces: 4', 'UTF-8', 'CRLF', and '(1) CSS'.

2.Background:

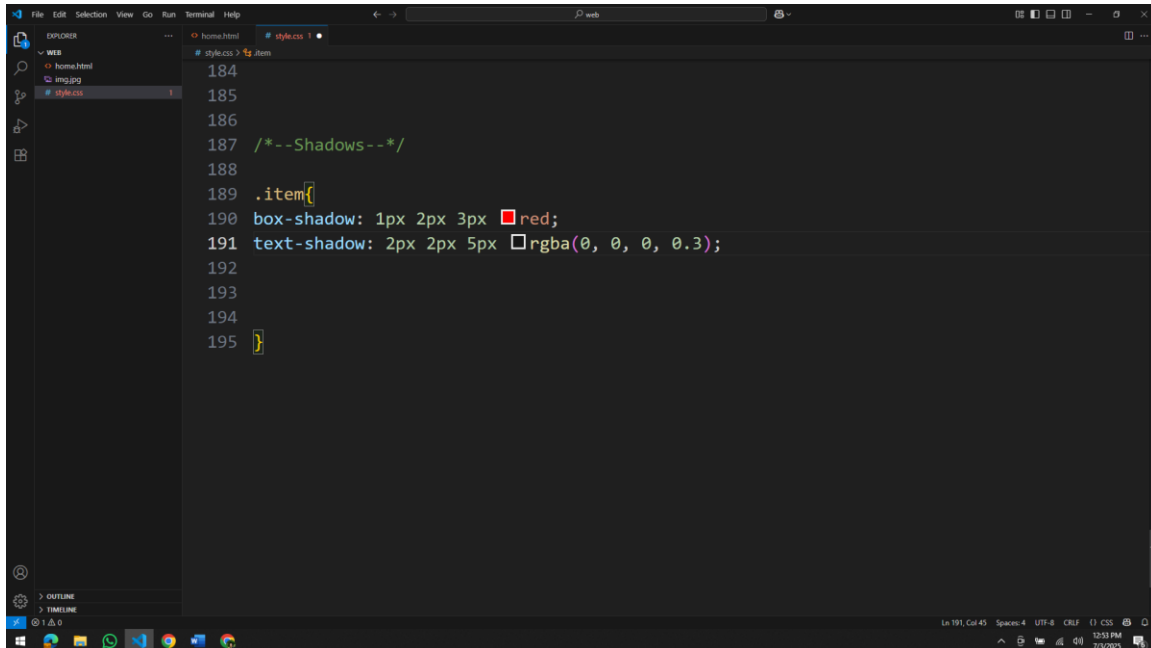


A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows a project named 'home.html' with files 'home.html', 'img.jpg', and 'style.css'. The 'style.css' file is open in the main editor. The code in the editor is as follows:

```
188
189 .item{
190
191
192 background-color: red;
193 background-image: url(https://www.wow.com);
194 background-repeat: no-repeat;
195 background-size:auto;
196 background-position: 0%;
197
198 }
```

The status bar at the bottom indicates 'Ln 198, Col 2', 'Spaces: 4', 'UTF-8', 'CRLF', and '(1) CSS'.

3.Shadows

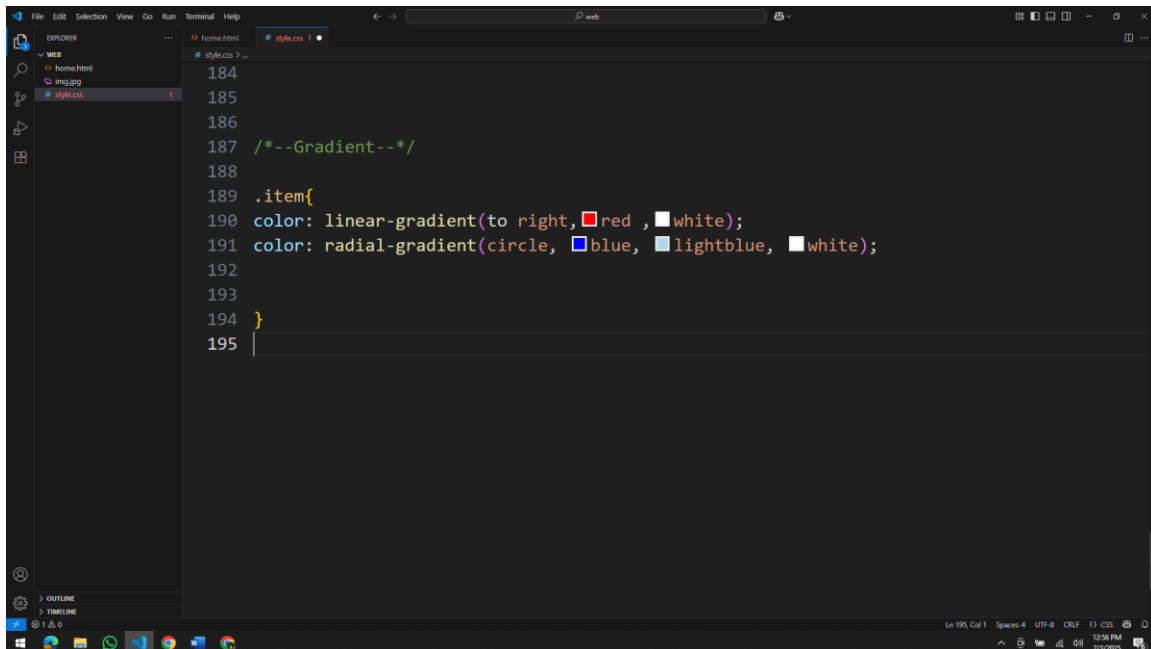


A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project structure with 'home.html' and 'img.jpg'. The main editor window displays a CSS file named 'style.css' with the following code:

```
184
185
186
187 /*--Shadows--*/
188
189 .item{
190   box-shadow: 1px 2px 3px red;
191   text-shadow: 2px 2px 5px rgba(0, 0, 0, 0.3);
192
193
194
195 }
```

The status bar at the bottom indicates 'Ln 191, Col 45', 'Spaces: 4', 'UTF-8', 'CRLF', and 'CSS'.

4.Gradient:



A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project structure with 'home.html' and 'img.jpg'. The main editor window displays a CSS file named 'style.css' with the following code:

```
184
185
186
187 /*--Gradient--*/
188
189 .item{
190   color: linear-gradient(to right, red, white);
191   color: radial-gradient(circle, blue, lightblue, white);
192
193
194 }
195 |
```

The status bar at the bottom indicates 'Ln 195, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', and 'CSS'.