

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

**Faculty of Science and Technology (FST)
Department of Computer Science (CS)
Course: Web Technologies**

Lab Task 03: CSS Box Model and Display Properties

Instructions:

- 1. Complete the task using HTML and CSS only.**
- 2. Do not use JavaScript.**
- 3. Use external CSS for styling.**
- 4. Push all files to your GitHub repository after completion.**

Scenario:

Every HTML element is a box. Understanding margin, border, padding, and content is essential for designing layouts. In this lab, you will visually explore the CSS box model and display properties.

Part A: Box Model Demonstration

1. Create at least three <div> elements.
2. Apply the following properties to each:
 - width
 - height
 - padding
 - border
 - margin
3. Use different values to clearly show spacing differences.

Part B: Box Sizing

1. Apply:
 - box-sizing: border-box;to at least one element.
2. Compare its size with an element using default box sizing.

Part C: Display Properties

Demonstrate:

- display: block
- display: inline
- display: inline-block
- display: none

Apply these to:

- <div>
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- <p>

Part D: Visibility vs Display

- Use visibility: hidden on one element.
- Compare the behavior with display: none.