

**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>`
- `<span>`
- `<p>`

#### **Part D: Visibility vs Display**

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