

# Assignment – 16

## Title: Create a Responsive Student Profile Web Page Using CSS Box Model and Outline

### Objective:

Design and develop a responsive **Student Profile Web Page** using:

- Height and Width
  - auto, initial, inherit
  - min-width, max-width, min-height, max-height
  - CSS Box Model
  - Outline properties
- 

### Real World Problem Statement

A college wants to create a **Student Profile Card Web Page** that:

- Looks professional
- Is responsive on all devices
- Uses proper spacing with Box Model
- Highlights important areas using Outline
- Avoids horizontal scrolling

You are assigned to develop this page using only **HTML and CSS (Internal CSS only)**.

---

### Requirements

#### ✓ 1. Header Section

- College Name
  - Page Title: *Student Profile*
  - Use: height, padding, background-color, outline
- 

#### ✓ 2. Student Profile Card

Include:

- Photo
- Name
- USN
- Branch
- Email
- Short Bio

Apply:

- width: 100%
  - max-width: 600px
  - margin: auto
  - padding
  - border
  - outline
  - outline-offset
  - min-height
- 

### ✓ 3. Responsive Behavior

- Use max-width to prevent horizontal scroll
- Image must use:

```
width: 100%;  
height: auto;
```

---

### ✓ 4. Box Model Calculation Task

Inside your code comments, calculate total width for:

```
width: 400px;  
padding: 20px;  
border: 5px solid black;
```

Write the proper calculation.

---

### ✓ 5. Outline Demonstration

Create 4 small boxes showing:

- dotted outline
- dashed outline
- solid outline
- outline with positive offset
- outline with negative offset

Also use:

- `outline-width`
  - `outline-color`
  - `outline` (shorthand)
- 

## ✓ 6. auto vs initial

Create two divs:

- One with `height: auto`
- One with `height: initial`

Add enough content to show difference.

---

## ✓ 7. Rounded Outline

Use `border-radius` with outline on at least one element.

---

# Design Constraints

- ✓ Use only HTML + Internal CSS
  - ✓ No Bootstrap / Framework
  - ✓ Proper indentation
  - ✓ Responsive design
- 

# Evaluation Criteria (Out of 10 Marks)

<b>Criteria</b>	<b>Marks</b>
Proper Use of Width/Height	2
Min/Max Implementation	1
Box Model Understanding	2
Outline Properties Usage	2
Responsive Design	1
Code Structure & Cleanliness	1
Calculation Explanation	1
<b>Total</b>	<b>10 Marks</b>

---

## **Submission Instructions**

- Submit in **PDF format only**
  - PDF must contain:
    1. Problem Statement
    2. HTML + CSS Code
    3. Output Screenshot (Full Page)
    4. Box Model Calculation Explanation
- 

### **❖ Final Instruction:**

**Submit in PDF that containing code and output screenshot.**