

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
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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
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✓ 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
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✓ 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)
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✓ 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
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Evaluation Criteria (Out of 10 Marks)

Criteria	Marks
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
Total	10 Marks

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
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★ Final Instruction:

Submit in PDF that containing code and output screenshot.