

Assignment – 13

Real World Problem: “College Department Profile – One Page Website”

Scenario

Your college department (e.g., Computer Science & Engineering) wants to publish a **professional one-page website** that introduces the department, faculty, courses, achievements, and contact details.

As a web designer, you are assigned to create this webpage using **all CSS concepts taught in today’s class**.

The website must demonstrate:

- CSS Introduction concepts
- CSS Syntax
- CSS Selectors (element, id, class, universal, grouping)
- External CSS
- Internal CSS
- Inline CSS
- Cascading Order

Project Requirements

1 Webpage Sections (Single HTML Page)

Your one-page website must contain:

1. Department Name (Main Heading)
2. About the Department
3. Courses Offered
4. Faculty Highlights
5. Achievements
6. Contact Information

2 CSS Implementation (All Concepts Must Be Covered)

✓ A. External CSS (Compulsory)

Create a separate file named:

style.css

Link it inside the `<head>` section using:

```
<link rel="stylesheet" href="style.css">
```

Use External CSS to style:

- Body background color
 - Default font-family
 - All `<p>` elements
 - All `<h2>` elements
 - Layout spacing (margin / padding)
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✓ B. Internal CSS (Inside `<style>` Tag)

Inside the `<head>` section, add:

- Styling for a special section (e.g., achievements box)
 - Redefine `<h1>` color (to test cascading)
 - Add border styling to a section
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✓ C. Inline CSS

Use inline CSS for:

- One important heading
- One urgent announcement (e.g., “Admissions Open 2026”)

- One highlighted paragraph

3 CSS Selectors (Must Use All)

◆ 1. Element Selector

Style all:

```
p { }
```

◆ 2. ID Selector

Create one unique section:

```
<section id="contact">
```

Style it using:

```
#contact { }
```

◆ 3. Class Selector

Create reusable classes such as:

```
.highlight { }  
.center { }  
.card { }
```

Use them for multiple elements.

Also demonstrate:

```
p.highlight { }
```

◆ 4. Universal Selector (*)

Apply common styling to all elements:

* { }

Example: Set font-family.

◆ 5. Grouping Selector

Group multiple selectors:

```
h1, h2, h3 { }
```

4 Demonstrate Cascading Order (Very Important)

You must intentionally demonstrate:

1. Define <h1> color in external CSS
2. Redefine <h1> color in internal CSS
3. Apply inline CSS to one <h1>

Then observe:

- Which color is applied?
- Add comments explaining why.

Show understanding of:

1. Inline style (Highest priority)
 2. Internal / External
 3. Browser default
-

5 Styling Requirements

Your webpage must include:

- Background color
- Different font sizes
- Center alignment
- Margin and padding

- Border around faculty cards
 - Highlight box for achievements
 - Clean structured layout
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Example Content (You May Use Similar)

Department Name

Computer Science & Engineering

About

Established in 2005, offering UG and PG programs.

Courses

- Data Structures
- Web Technologies
- Artificial Intelligence
- Machine Learning

Faculty

- Dr. A. Kumar – Professor
- Ms. B. Rao – Assistant Professor

Achievements

- 100% placement in 2025
- 5 University Rank Holders

Contact

Email: cse@college.edu
Phone: 9876543210

Submission Instructions

Submit:

- One HTML file
- One External CSS file

Ensure:

- Proper indentation
- Meaningful class and id names
- Comments explaining CSS types
- No copied templates

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