

# Web Development Foundation Course

## Day – 5 - Project

### School Website Project Guide

**Objective:** Create a responsive school website using HTML and CSS.

#### 1. Planning Your Work

- Create **1 HTML file** (index.html)
- Use **internal CSS** (inside <style> tag)
- Prepare **8 placeholder images** (or use free school-themed images)

#### 2. Website Sections to Build

Build these sections **in order**:

##### 1. Header

- School name as main heading
- Tagline as italic text
- Navigation menu with 8 links (Home, About, etc.)

##### 2. Home Section

- "Welcome" heading
- Full-width school banner image
- Blue-green background with white text

##### 3. About Us

- Two-column layout
- Left: School description + principal's message
- Right: Vision & Mission (bullet points)

##### 4. Academics

- Table with 3 rows:
  - Column 1: Grade levels (1-5, 6-8, 9-10)
  - Column 2: Subjects for each level

##### 5. Achievements

- Three equal-width cards in a row
- Yellow background with achievement text

##### 6. Gallery

- Grid of 5 images (3 in first row, 2 in second)
- Add a YouTube embed below

##### 7. Student Life

- Four activity boxes with icons (Drama, Sports, Art, Music)
- Use Font Awesome for icons

##### 8. Notice Board

- Scrolling marquee for announcements
- Bullet-point list of notices

##### 9. Contact

- Address, phone, email
- Google Maps embed

##### 10. Footer

- Copyright text
- Dark background

### 3. Styling Requirements

#### For All Sections:

- Use **consistent padding/margins**
- **Rounded corners** (10px) for containers
- **Sans-serif font** (Arial or Segoe UI)

#### Special Styling:

- **Navigation Menu:**
  - Blue buttons with white text
  - Hover effect (darker button color)
- **Colorful Sections:**
  - Home & Achievements: Use bright colors (#0FA4AF for home, #FFEB3B for cards)
- **Gallery:**
  - Images should **fill containers** (use object-fit: cover)
- **Student Life Icons:**
  - Circular light-blue background
  - Center-align icons and text

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### 4. Layout Techniques to Use

1. **Flexbox:** For navigation, two-column about section, student life icons
2. **CSS Grid:** For image gallery
3. **Margins:** Space between sections
4. **Percentage Widths:** Make elements responsive

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### 5. Step-by-Step Workflow

1. **Write HTML structure first** (all sections)
2. **Add placeholder content** (text/images)
3. **Style desktop version first:**
  - Header → Home → About → Academics → etc.
4. **Test responsiveness:**
  - Check on mobile by resizing browser
  - Ensure text/images don't overflow

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### 6. Testing Checklist

- All navigation links work
- Table displays properly
- Images load without distortion
- Text is readable on colored backgrounds
- No horizontal scrolling on mobile

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### 7. Submission Requirements

- Single index.html file
- Images in a folder named assets
- No broken links or images