

# B.Tech - Semantic HTML Multimedia Webpage

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## 1. WEBSITE DETAILS

**Title of the Website:**

pic.com

**Purpose of the Website:**

To show photos and videos using HTML5 and practice making a simple webpage.

**Target Users:**

- Students
- Beginners in Web Development
- Educational Institutions

**Tools Used:**

- HTML5
- Text Editor (VS Code / Notepad)
- Web Browser (Chrome / Edge / Firefox)

**Key Features:**

- Semantic HTML structure
- SEO-friendly meta tags
- Accessible content layout
- Embedded audio and video with controls and captions

## 2. TAG DEFINITIONS USED IN THE WEBPAGE

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### 2.1 Basic Structure Tags

Tag	Definition
<html>	Main root of webpage
<head>	Stores title and CSS link
<title>	Shows website name in tab
<link>	Connects CSS file
<body>	Contains visible content

### 2.2 Semantic Tags

Tag	Definition
<header>	Top part of website
<nav>	Navigation menu
<main>	Main content area
<p>	Paragraph text
<footer>	Bottom part of website
<h1>, <h2>	Headings

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<code>&lt;section&gt;</code>	Divides content
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### 2.3 Multimedia Tags

Tag	Definition
<code>&lt;img&gt;</code>	Displays images
<code>&lt;video&gt;</code>	Plays video
Muted	Mutes sound
autoplay	Plays video automatically

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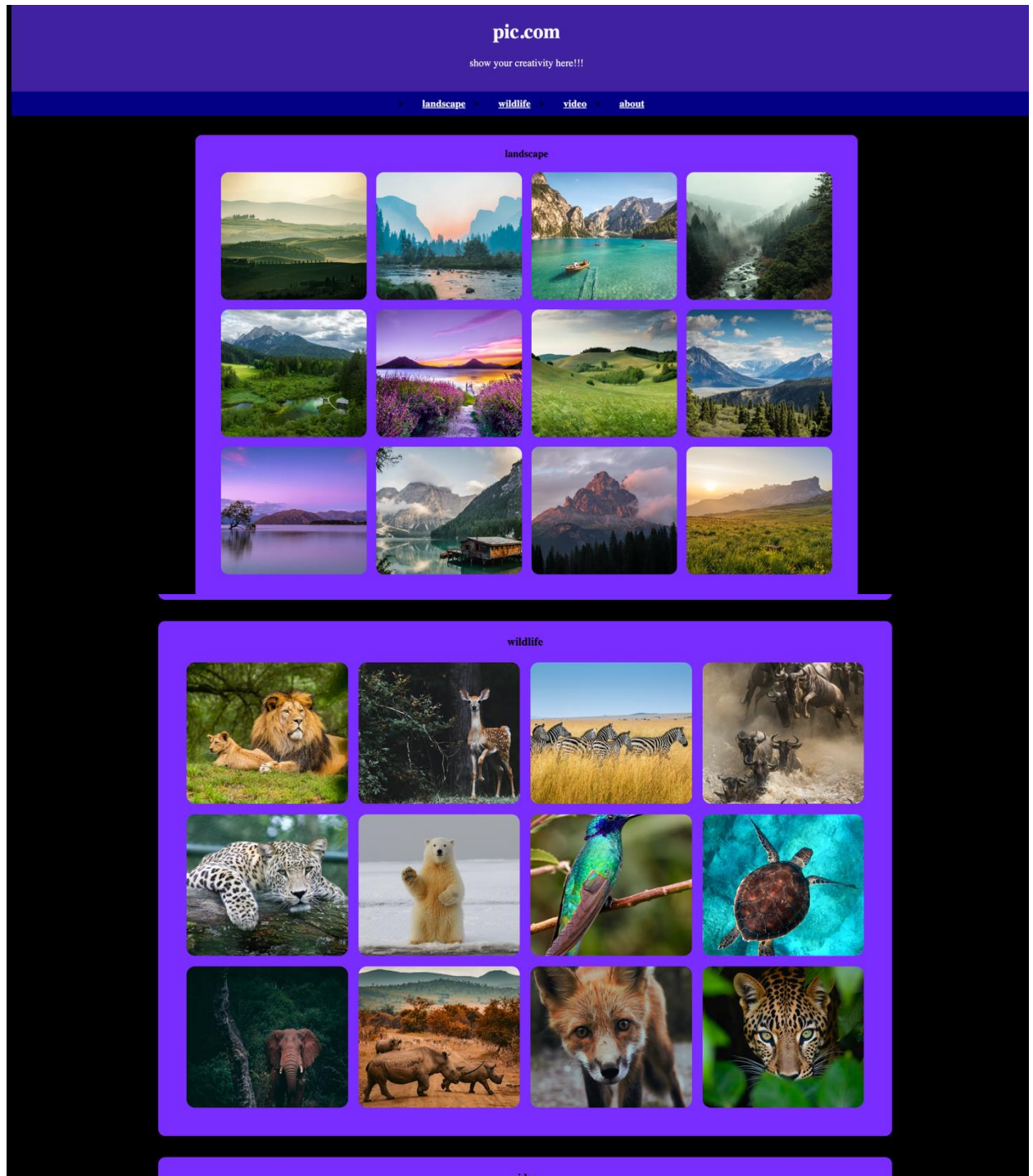
### 3. SCREENSHOTS

*(Attach screenshots of the output here)*

#### **Suggested Screenshots:**

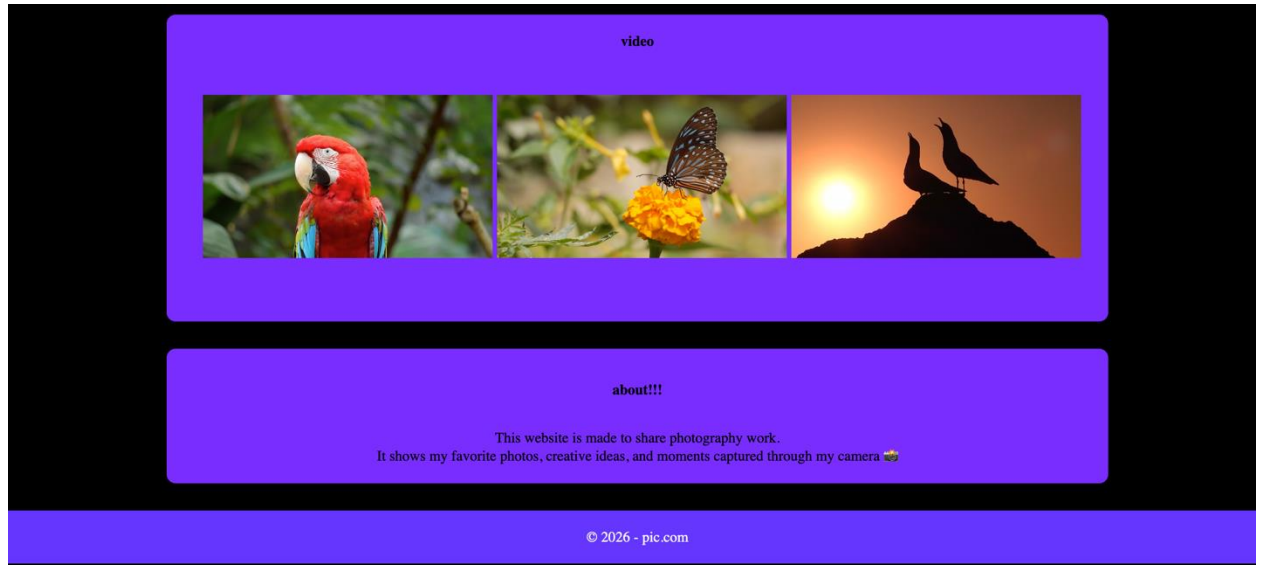
1. **Full Webpage View**
2. **Header and Navigation Section**
3. **Semantic Content Section**
4. **Audio Player Output**
5. **Video Player with Captions**

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*Note:* Screenshots should clearly show the webpage output and must be properly labeled.

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### 4. DECLARATION

I hereby declare that this practical work entitled  
**“Design and Development of a Semantic and Multimedia Webpage Using HTML5”**  
is my original work carried out by me. This work has not been copied from any source and has not been submitted earlier for any examination.

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**Roll Number :** 150096725173

**Signature of Student:** Yash

**Date:** 16-1-2026

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### 5. FUTURE SCOPE

The current website is developed using only HTML5. The future enhancements that can be implemented are:

- Applying CSS for improved visual design and layout
- Adding interactivity using JavaScript
- Making the website fully responsive for all devices
- Hosting the website on a live server
- Adding forms and backend integration
- Enhancing accessibility using ARIA attributes