

B.Tech - Semantic HTML Multimedia Webpage

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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<section>	Divides content
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2.3 Multimedia Tags

Tag	Definition
	Displays images
<video>	Plays video
Muted	Mutes sound
autoplay	Plays video automatically

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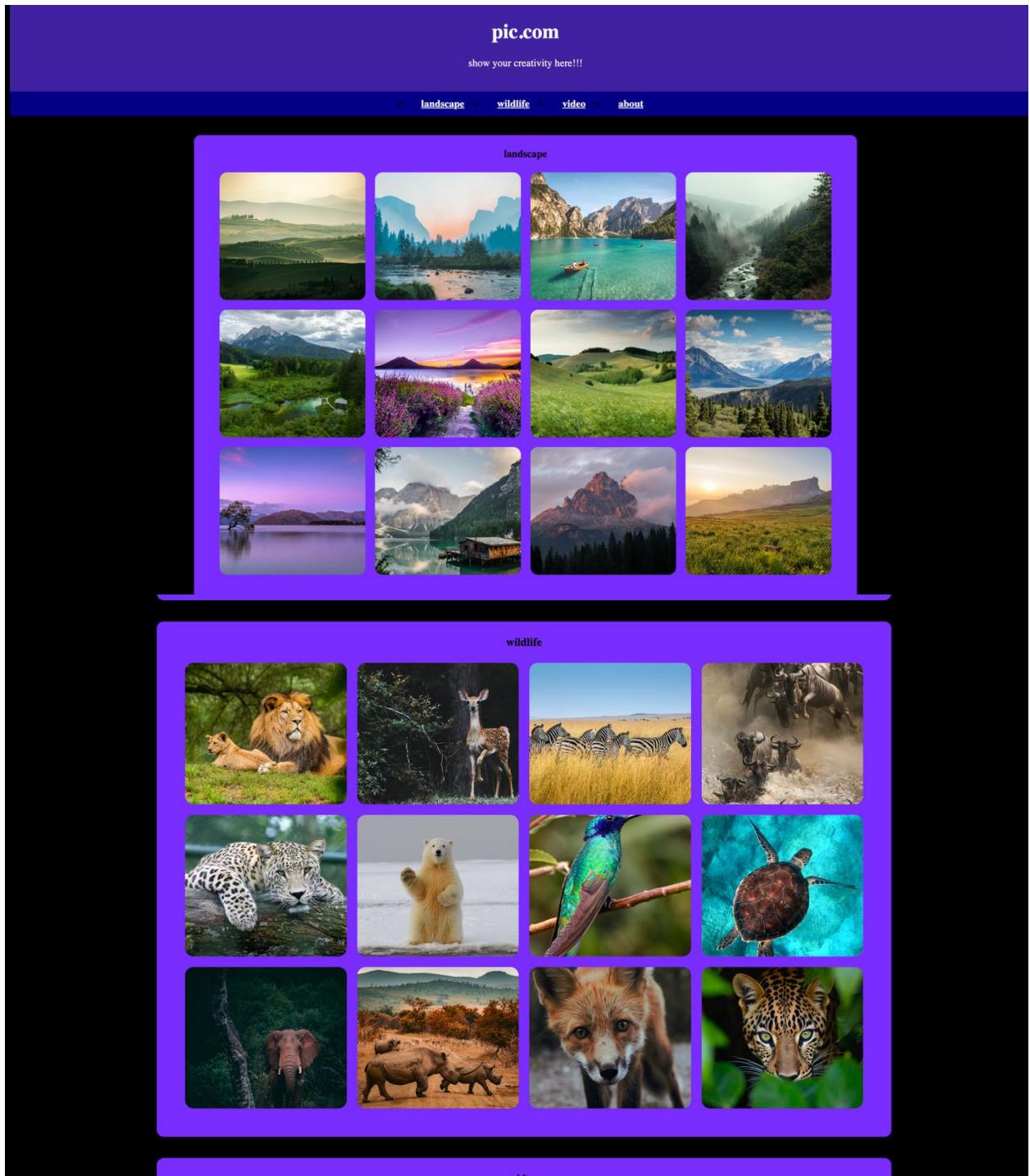
3. SCREENSHOTS

(Attach screenshots of the output here)

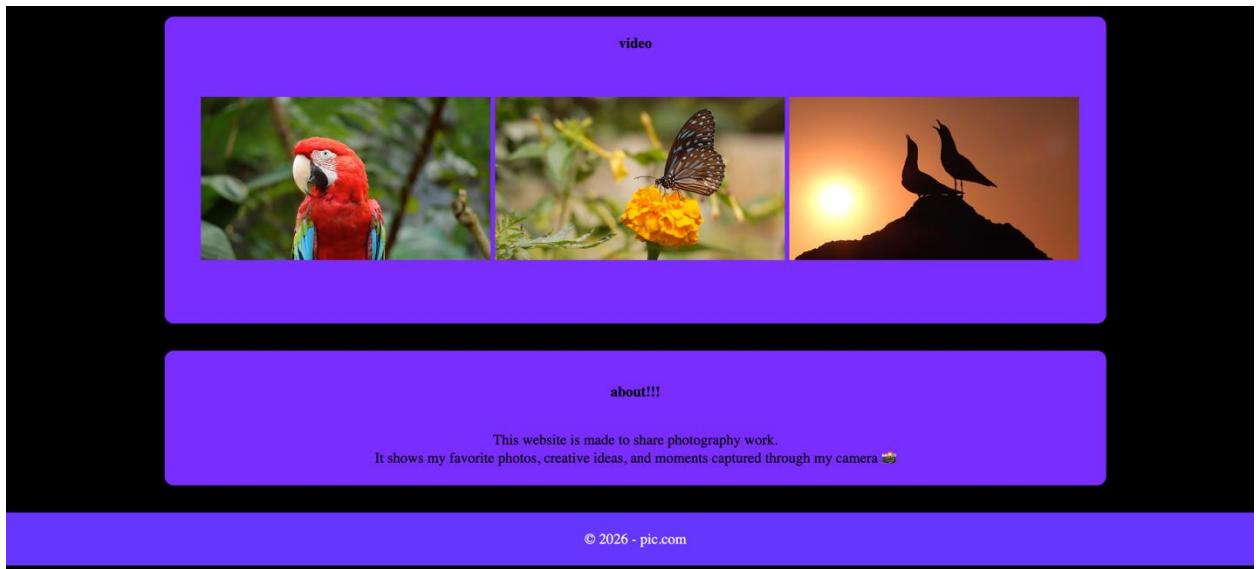
Suggested Screenshots:

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.

Name of Student: Yash Tambade
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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