

# B.Tech - Semantic HTML Multimedia Webpage

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## 1. WEBSITE DETAILS

### Title of the Website:

**Locations and Resources – WORKSPACE**

### Purpose of the Website:

The purpose of this website is to showcase the global presence of WORKSPACE locations and to provide useful resources such as guides, blogs, and tools for professionals. The website demonstrates the use of HTML5 semantic elements, multimedia integration, structured content layout, and interactive sections.

### Target Users:

- Freelancers and remote workers
- Startups and growing teams
- Corporate and enterprise professionals
- Business travelers
- WORKSPACE members

### Tools Used:

- HTML5
- CSS3
- JavaScript (modal handling and basic interactivity)
- Text Editor (VS Code / Notepad)
- Web Browser (Chrome / Edge / Firefox)
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### Key Features:

- Global locations listing with regions
- Video background in hero section
- Search and filter options for locations
- Resource categories (Guides, Blog, Tools)
- Card-based layout for content
- Call-to-action sections

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- Semantic and accessible design

## 2. TAG DEFINITIONS USED IN THE WEBPAGE

### 2.1 Basic Structure Tags

Tag	Definition
<html>	Root element of the HTML document
<head>	Contains metadata and stylesheet links
<title>	Displays webpage title in browser tab
<body>	Contains visible webpage content
<img>	Displays images for locations and resources
<video>	Displays background video
<a>	Creates hyperlinks
<button>	Creates clickable buttons
<input>	Accepts user input

### 2.2 Semantic Tags

Tag	Definition
<nav>	Defines the navigation bar
<section>	Divides webpage into sections
<header>	Displays introductory content
<footer>	Contains footer information
<main>	Holds main webpage content
<h1>-<h4>	Heading elements

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<p>	Paragraph elements
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### 2.3 Multimedia Tags

Tag	Definition
<video>	Used for animated background in locations page
<source>	Specifies video source file
<image>	Displays images for locations and blogs
<iframe>	Can embed maps or external media
<audio>	Can be used for audio-based guides

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### **3. SCREENSHOTS**

### **4. DECLARATION**

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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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### 5. FUTURE SCOPE

The current website is developed using HTML, CSS, and basic JavaScript. The future enhancements that can be implemented are:

- Integration of interactive maps for locations
- Advanced search and filtering functionality
- Backend support for dynamic resource content
- User login for saved resources
- Mobile app integration
- Performance and accessibility improvements