WEB TECHNOLOGY(LAB)

Lab 3 Task

(BSCS)

Вy

Sr	Name	Roll- number	Section
1	Ateeb Qaiser	Fa-23- 279	G

Supervised by:

Sir M. Yousaf

(Signature)————



Department of Computer Science Lahore Garrison University Lahore

Lab 3: HTML Basics — Structure & Semantic Markup

Step-by-Step Breakdown

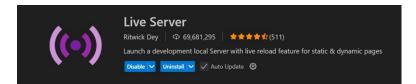
1. Setup Your Environment

Install Tools:

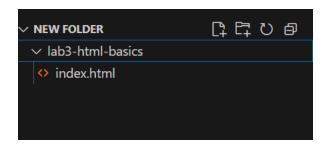
- VS Code
- Live Server Extension
- W3C HTML Validator

Create Project Folder:

Name it something like lab3-html-basics, Inside create index.html









2. Build Semantic Structure in index.html Use semantic HTML5 tags to organize your page:

Welcome to My Webpage Short intro or tagline

- About Me
- Projects
- GitHub

About Me

Brief bio or description

My profile picture

Quick Facts

- Location: Punjab, Pakistan
- Interests: Web Development, AI
- Languages: English, Urdu

Projects

- Project 1
- Project 2

© 2025 Muhammad. All rights reserved.

Contact Me

3. Add Content Elements

Images: Use .jpg, .png, or .svg with descriptive alt attributes,Lists: Use or for facts, links, or features.

Links:

- Internal: href="#section-id"
- External: href="https://..." with target="_blank" if needed.

Welcome to My Webpage

Short intro or tagline

- About Me
- GitHub

About Me

Brief bio or description



Quick Facts

- · Location: Punjab, Pakistan
- Interests: Web Development, AI
 Languages: English, Urdu

Projects

4. Accessibility Basics

- Use meaningful alt text for all images.
- Ensure link text is descriptive (avoid "click here").
- Use proper heading hierarchy (<h1> to <h3>).
- Label navigation clearly.

Оппии

About Me

Brief bio or description

Portrait of Muhammad, web developer and AI enthusiast

Quick Facts

· Location: Punjab, Pakistan

Snort intro or tagline

- About Me
- Projects
- GitHub

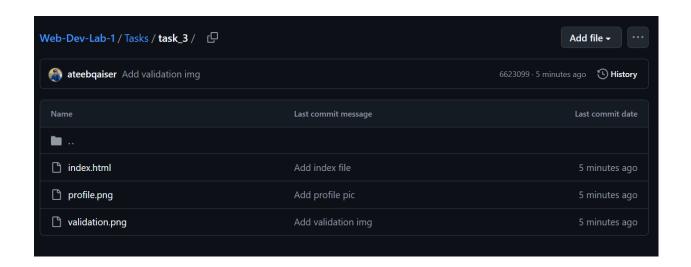
5. Validate HTML

- Go to W3C Validator
- Upload or paste your HTML code.
- Fix any warnings or errors (e.g., missing alt, unclosed tags).



6. Final Deliverables

Requirement	Description		
Semantic Usage (4)	Use of header, nav, main, article, aside, footer		
Accessibility (3)	Alt text for images, clear labels, heading structure		
Validation (3)	Pass W3C validation with no errors or warnings		
Hosting	Push to GitHub repo or local server using Live Server		
Report	Save validation screenshot or summary in repo (e.g., validation.txt)		



CONCLUSION:

This lab helped me learn how to create a well-structured HTML page using semantic tags and improve accessibility through proper headings, alt text, and links. I also understood the importance of validating HTML to ensure clean and error-free code.

RUBRICS:

Performance			Lab Report		
Description	Total Marks	Marks Obtained	Description	Total Marks	Marks Obtained
Ability to Conduct practical	5		Structure	5	
Data Analysis & Interpretation	5		Efficiency	5	
Total Marks obtained			Total Marks Obtained		

Instructor	Signature	