Web Page Structure & Layout Lecture

Introduction: What Are Websites?

- Websites are like digital houses

- Each website has rooms, furniture, and functions

- Different areas represent different functions

- FE = Frontend, BE = Backend, DB = Database, API =

Messenger

What Is a Web Page?

- Each room in a digital house = one webpage

- Homepage = entrance hall

- About page = biography room

- Contact page = reception desk

- Product page = display shelf

- Blog = reading corner

Website vs Web Page

- Website = entire house

- Webpage = single room

- Every page is organized, not random

- Helps visitors find content easily

- Each page has a purpose and structure

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HTML: Skeleton of Web Page

- HTML = scaffolding of the page

- Defines what exists & where

- Think of a house before decoration

- Rooms, walls, doors, buttons

- Styling & actions handled by CSS & JS

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CSS: Decoration & Style

- CSS = interior decoration

- Controls colors, fonts, spacing, alignment

- Enables layout behavior & responsiveness

- HTML built the structure, CSS paints & furnishes

- Story: house = HTML, paint/furniture = CSS

JavaScript: Page Behavior

• Adds interactivity & action

• Examples: buttons open menus, forms show

errors, sliders move

• Think: page = puppet, JS = puppeteer

• Makes pages dynamic and engaging

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Invisible Part: Head Section

- Not visible to users

- Stores title, metadata, description, font links, SEO

info

- Read by browsers & search engines

- Like a page's ID card

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Header Section Overview

- First section at top of page

- Contains logo, navigation, search, profile/login

- Guides user: 'Where am I? Where do I go?'

- Critical for orientation & usability

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Hero Section Importance

- Located below header

- Large, bold, attention-grabbing

- Contains H1, subtitle, main CTA, image/illustration

- Captures visitor interest in 3 seconds

- Communicates page purpose instantly

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Main Content Section

- The body of the page = story

- Uses headlines (H2, H3), paragraphs, images, lists, cards

- Guides reader flow

- Cards = small posters with image, title, description

- Visuals = shortcuts to understanding

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Optional Page Sections

• Sidebars: extra info bookshelves

• Forms: user interactions mini-conversations

• Sliders, galleries, testimonials: supplementary

content

• Support main content without distraction

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Footer Section

- Bottom of the page credits analogy

- Contains contact links, social icons, policies,

sitemap, copyright

- Essential, not glamorous

- Summarizes info before user leaves

For any questions please ask on Discord server - technical questions channel

For urgent cases you can send WA on +962787875915