

Web Essentials

- Zayed





Agenda

The Web & The Internet

Websites & Web



Applications

Browsers & Communication

Front-end vs Back-end

Full-Stack Web Development





The Web & The Internet

ENTER THE WORLD OF WEB & INTERNET



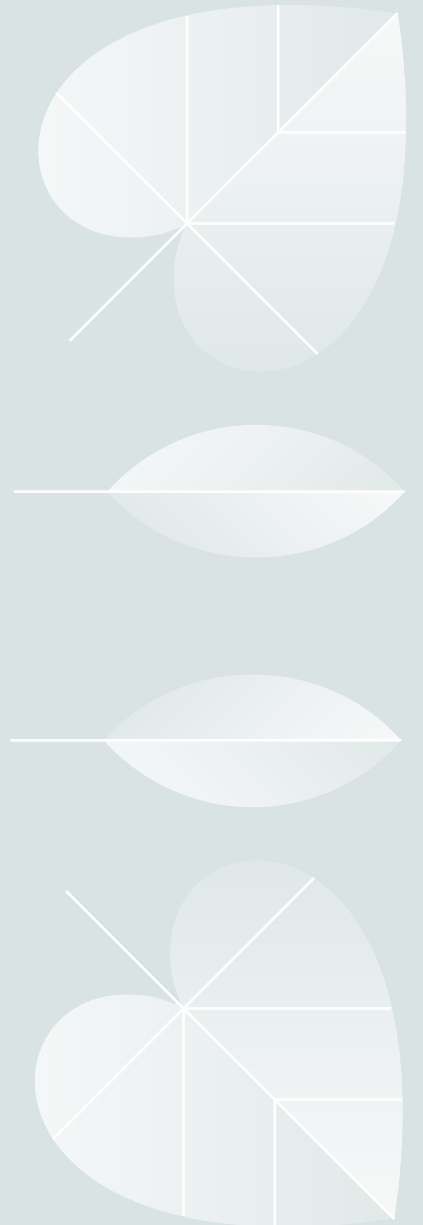
The Web & The Internet

- What is the Web
- Internet vs Intranet
- Server & Client
- Communication



What is the Web?

A **collection** of **websites** and **web pages** you can visit using a browser.





Intranet & Internet

A **global network** that connects computers worldwide in "**Internet**".

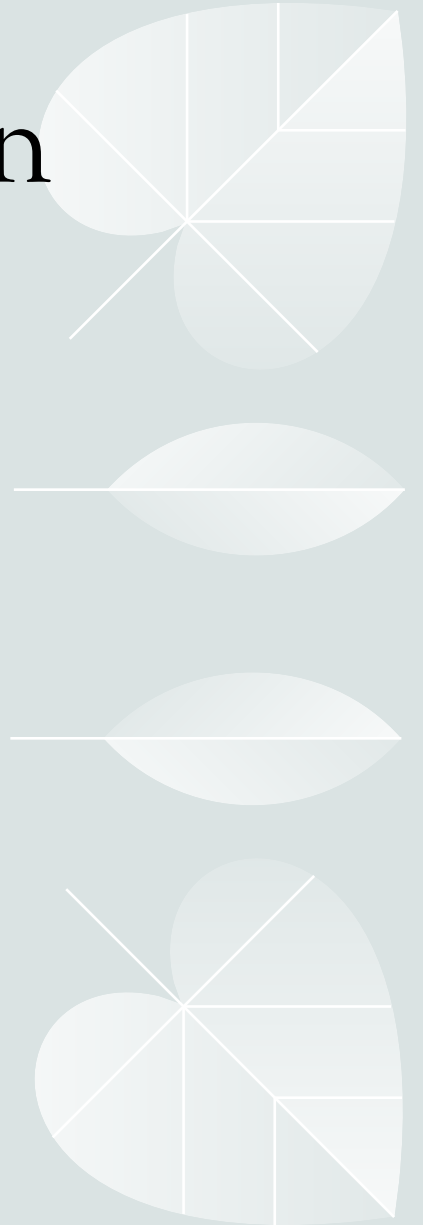
A **private network** inside a company or organization, not open to the public, is "**Intranet**".

Server, Client & their Communication

Server is simply a **computer** that stores some data and sends them to users when requested.

Client is the user's **device software**.

They usually communicate over the Internet using messages called **requests** and **responses**.



The background features decorative leaf patterns in the corners. On the left, there is a cluster of elongated leaves at the top and a fan-like arrangement of leaves at the bottom. On the right, there is a similar cluster of elongated leaves at the top and a fan-like arrangement at the bottom. All leaves are light gray with white outlines.

Website & Web Application

LEARN HOW THE REAL WORLD OF WEBSITES OR WEB
APPLICATIONS WORKS



Website & Web Application

- What are web servers
- How a Web Application Works
- Static vs Dynamic Website
- Website vs Web Application





Browsers & Communication


LEARN HOW BROWSER WORKS



Browsers & Communication

- Browsers & Functionalities
- Request - Response
- Data Accessing & Sharing in Browser





Front-end vs Back-end

THE ULTIMATE FIGHT



Front-end vs Back-end

- Front-end Vs Back-end
- UI/UX in Web Design



Front-end vs Back-end



The image features a light gray background with decorative white line art of leaves and branches in the corners. The top-left and top-right corners have clusters of elongated leaves. The bottom-left and bottom-right corners have larger, more complex leaf structures with multiple lobes and internal veins. The central text is in a black serif font.

The Full-Stack Development

LEARN THE COMPONENTS AND REQUIREMENTS FOR
FULL-STACK DEVELOPMENT



The Full-Stack Development

- Frontend in Full-Stack
- Backend in Full-Stack
- Database in Full-Stack
- Server Management



The background of the slide is a light gray color. On the left side, there is a decorative pattern of stylized leaves. These leaves are white with thin white outlines and are arranged in a way that they appear to be floating or scattered. Some leaves are simple ovals, while others are more complex, resembling palm fronds or compound leaves. The leaves are positioned on the left side of the slide, leaving the right side for text.

Thank you

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