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Web Designing

Content to be covered :-

- Basics of Internet
- Basics of HTML
- Elements & Attributes
- Basics of CSS
- Link CSS file

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What is a Web Application?

A website application, which is also popularly known as a web app, is a program that is usually stored on a remote server, and users can access it using Software known as web-browser.

It is a software application program that uses web-based technology to perform specific tasks.

Its frontend is usually created using languages like HTML, CSS, JavaScript, which are supported by major browsers.

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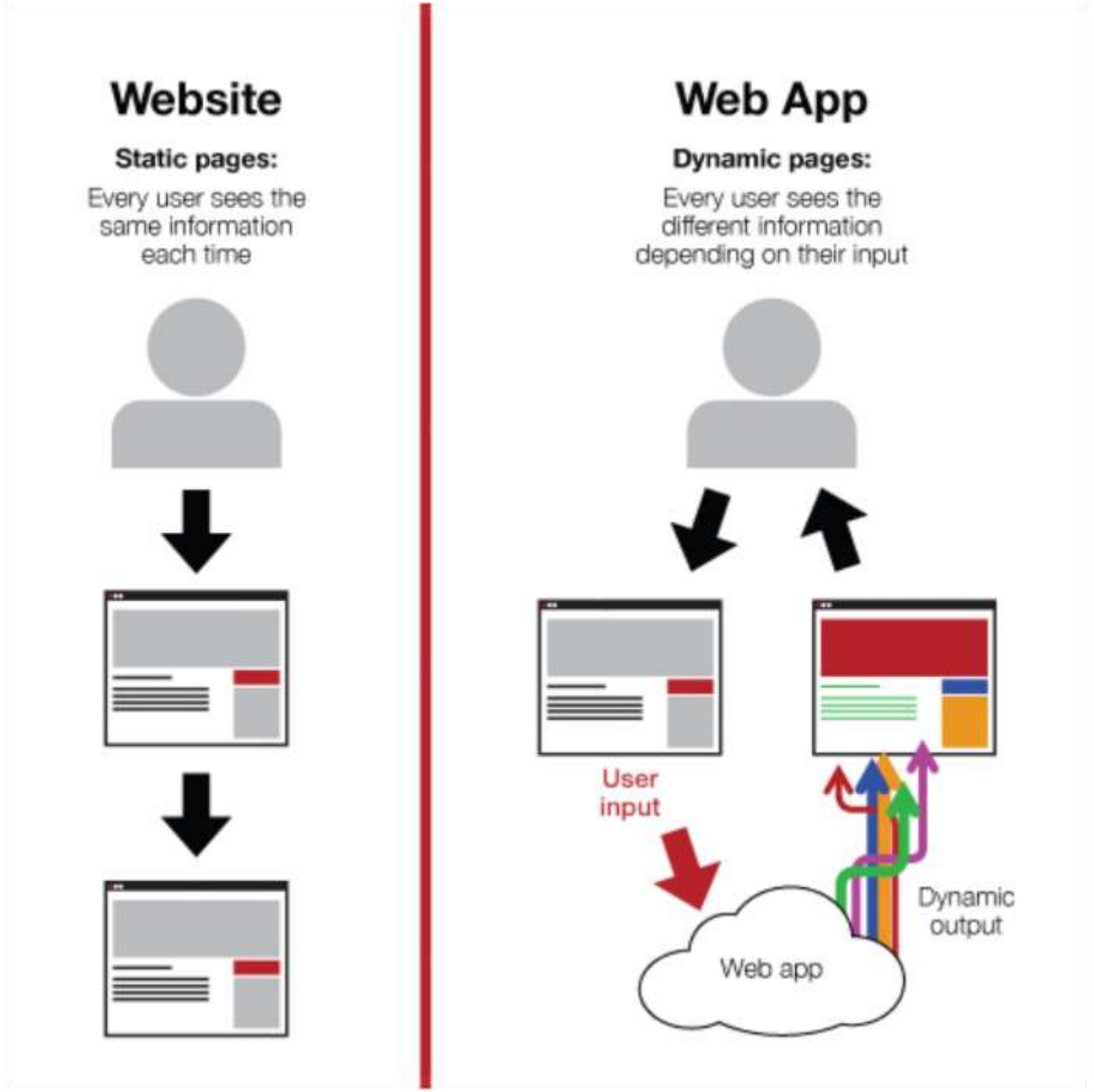
Website Vs Web Application



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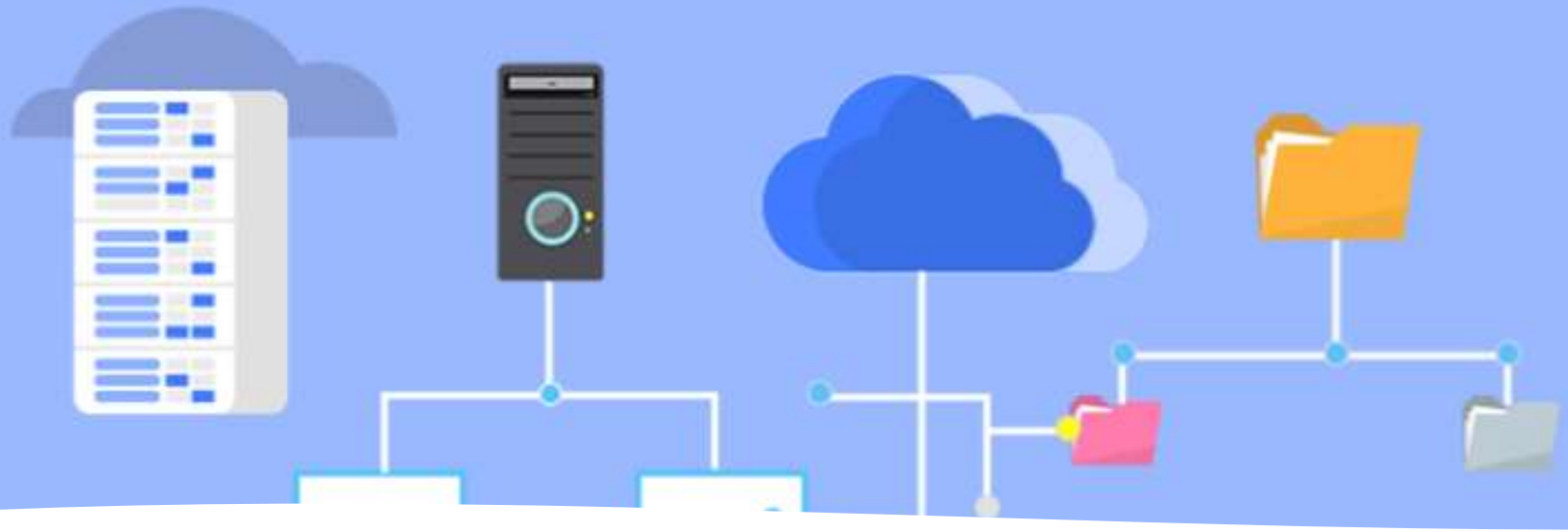

Web Application Architecture

The web application architecture describes the interactions between applications, databases, and middleware systems on the web. It ensures that multiple applications work simultaneously.

- In essence, Web Application Architectures can be defined with the depiction of this process:
  - A user browses for a specific URL, which the browser locates and requests.
  - Over the network, data is sent from the server to the browser, then executed by the browser so that it can display the requested page.
  - The user views and interacts with the page.

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Components of web application architecture

All applications are made up of two primary components:

Client-side, popularly called: the frontend, where the code is written in HTML, CSS, JavaScript and stored within the browser. It's where user interaction takes place.

Server-side, also known as the backend, controls the business logic and responds to HTTP requests. The server-side code is written in Java, PHP, Ruby, Python, etc.

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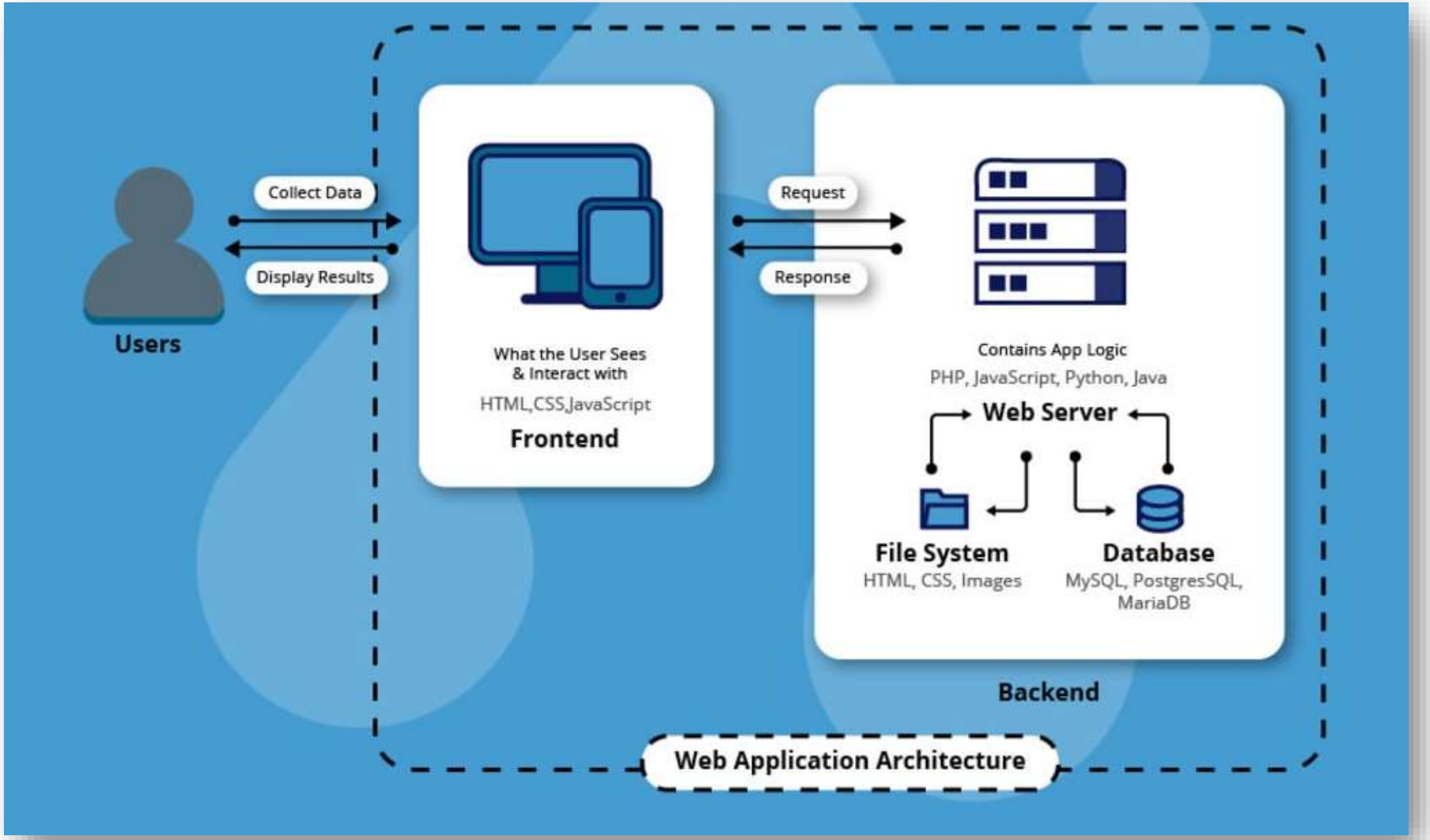
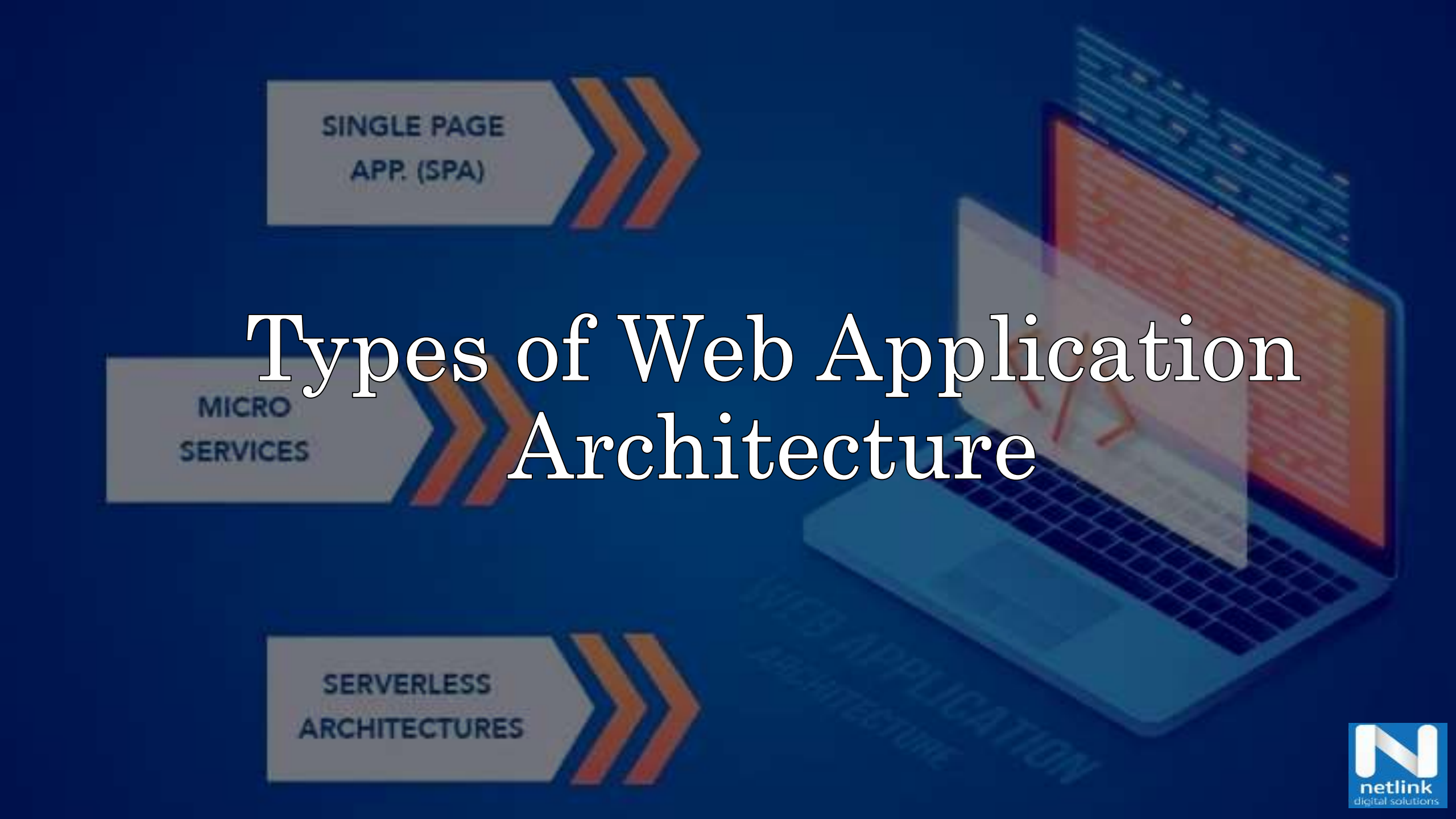
Web Application Architecture





Types of Web Application Architecture

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Types of Web Application Architecture

Three primary types of website application architecture are:

SERVERLESS ARCHITECTURE

It **approach to software design that allows developers to build and run services without having to manage the underlying infrastructure**. Developers can write and deploy code, while a cloud provider provisions servers to run their applications, databases, and storage systems at any scale.

SINGLE PAGE APPLICATION

A single-page application or SPA is a type of web application architecture that interacts with the user by **dynamically** rewriting the current page rather than loading entire new pages from a server.

MICROSERVICES

They can be called small and lightweight services which are responsible for executing a single functionality. The Microservices Architecture framework allows the developers working with it to not only enhance productivity but also speed up the entire deployment process.

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Thank you

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