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Angular TS

Education and Training Solutions 2023

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What is Angular?

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Overview of Angular

Angular is a development platform for building Single Page Applications.

It uses TypeScript & HTML to build Apps.

The Angular itself is written using TypeScript.

It is a front-end framework comes with every feature you need to build a complex web or mobile application.

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Overview of Angular

It comes with features like Component, Directives, Forms, Pipes, HTTP Services, Dependency Injection, etc.

Angular website:
https://angular.io/

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Advantages of Angular

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Advantages of Angular

1. Comprehensive:

The angular framework is a full-featured framework that provides out-of-the-box solutions for server communication, routing, and more.

2. Browser Compatibility:

Angular is cross-platform and compatible with multiple browsers.

3. Testing:

Testing is a first-class tool, and Angular was built to be testable from the beginning.

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Advantages of Angular

4. Custom Components:

Angular allows users to build their own components that can pack functionality along with rendering logic into reusable pieces.

5. Data Binding:

Angular allows users to effortlessly move data from JavaScript/TypeScript code to the view and react to user events without having to write any code manually.

6. Dependency Injection:

Allows users to write modular services and inject them wherever they are needed.

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Angular Versions

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Angular Versions

The early version of Angular was named AngularJS.
Then later it was renamed just Angular.

Angular Versions:

- AngularJS 1. X
- Angular 2
- Angular 3
- Angular 4
- Angular 5
- Angular 6
- Angular 7

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Angular Versions:

- Angular 8
- Angular 9
- Angular 10
- Angular 11
- Angular 12
- Angular 13
- Angular 14
- Angular 15

Angular is constantly growing with better features and faster performance.

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Single-Page Application

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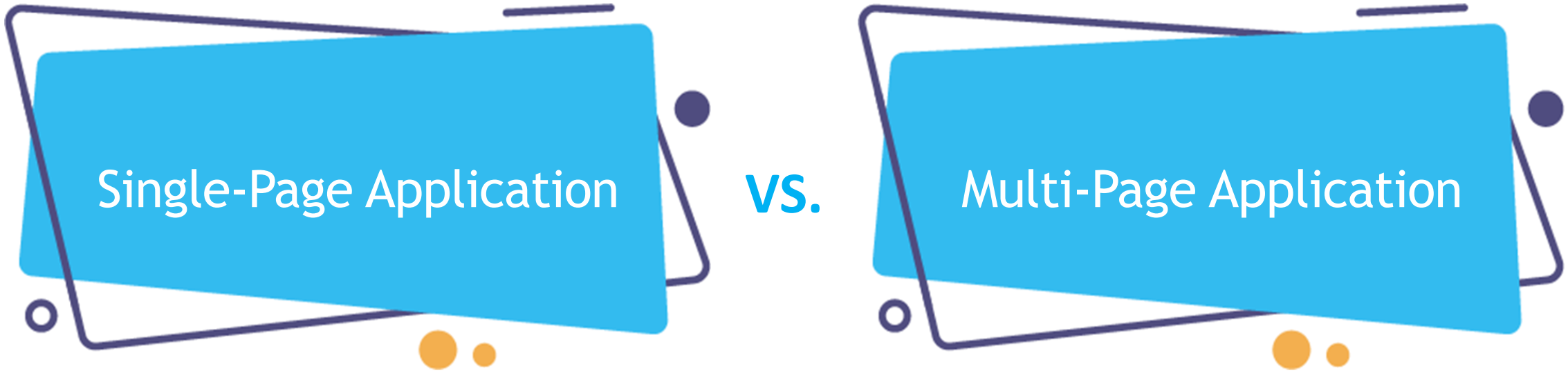

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Multi-Page Applications

Multi-Page Applications (MPA) were traditionally used, where every time you clicked on a link, a new page was loaded from the server. Additionally, it was time-consuming and increased server load, which slowed the website.

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Single Page Applications

The concept of a single page application refers to a web application that loads a single HTML page and only a part of the page gets updated on each mouse click rather than the entire page. There is no reloading of the page or transfer of control to another page during the process. The result is high performance and faster loading pages.

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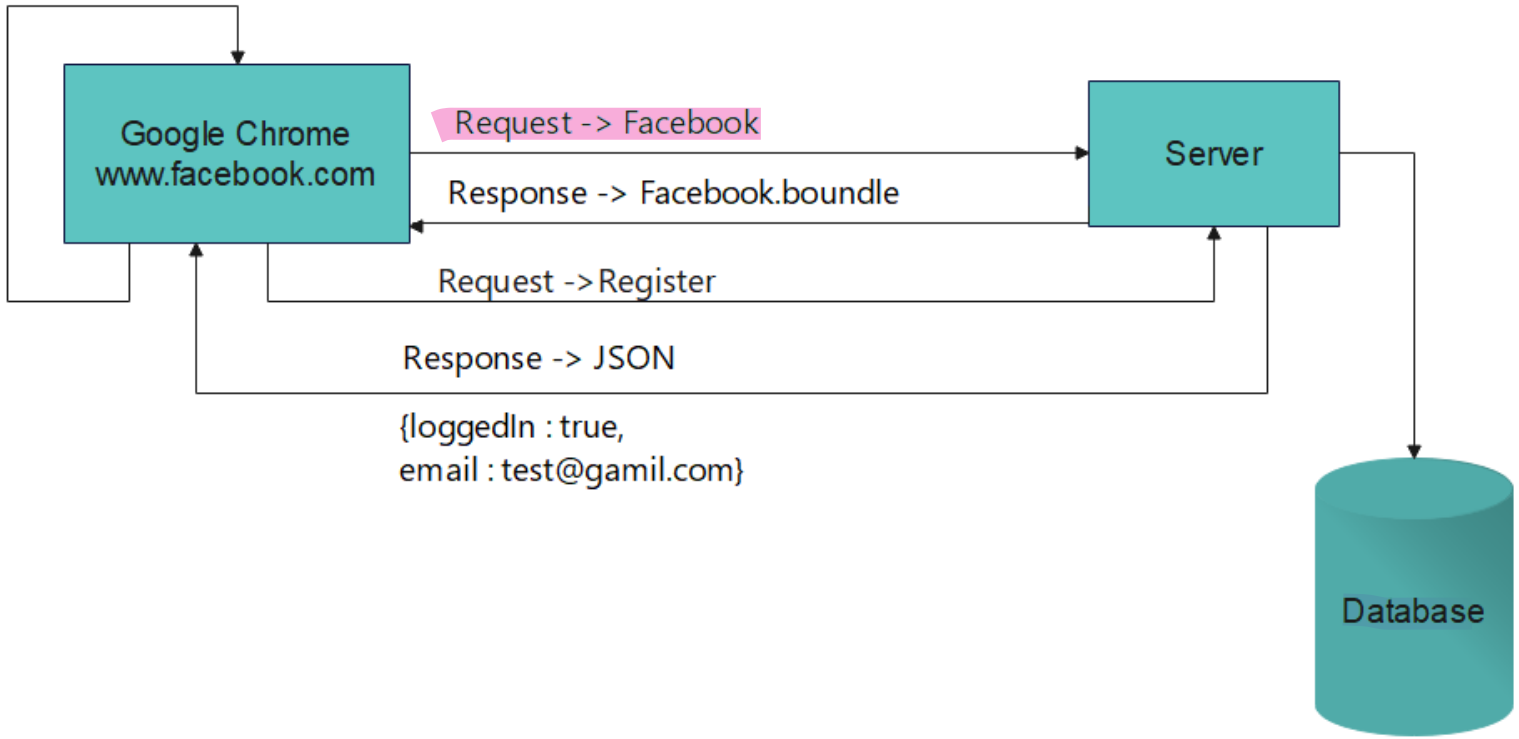
Single Page Application



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