

Introduction to SPA and Angular

Ground Rules

For a successful class, please:

- Arrive on time.
- Turn off cell phones.
- Assist your colleagues; show respect to all individuals regardless of their skill and knowledge level.
- Do not use class time to surf the net, check e-mail, or use instant messaging.
- Adhere to attendance policy as directed by your local training coordinator.
- Make the most of face-to-face training; ask questions and share your own insights and expertise.
- Leave the room only during break times or in the event of an emergency.
- Manage expectations for your other responsibilities.



Introduction to Angular

Module Objectives

At the end of this module, you should be able to understand:

- Single Page Applications (SPA)
- Traditional Applications Vs SPA
- AngularJS
- Angular
- Key Features



Topic List

#No	Module Topics
1	Single Page Application and Traditional Application
2	Angular JS and Angular
3	Key features of Angular



Single Page Application

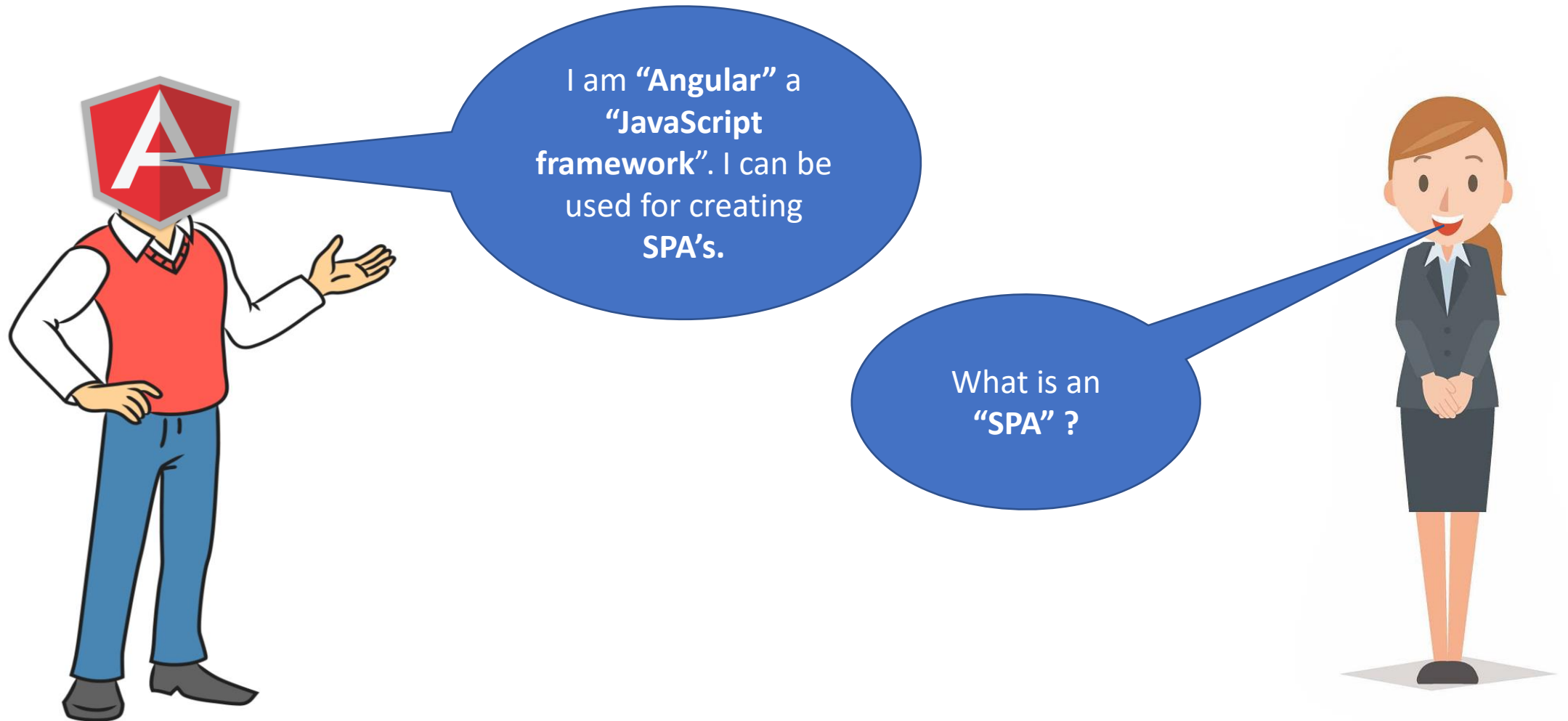
Single Page Application & Traditional Application

Introduction



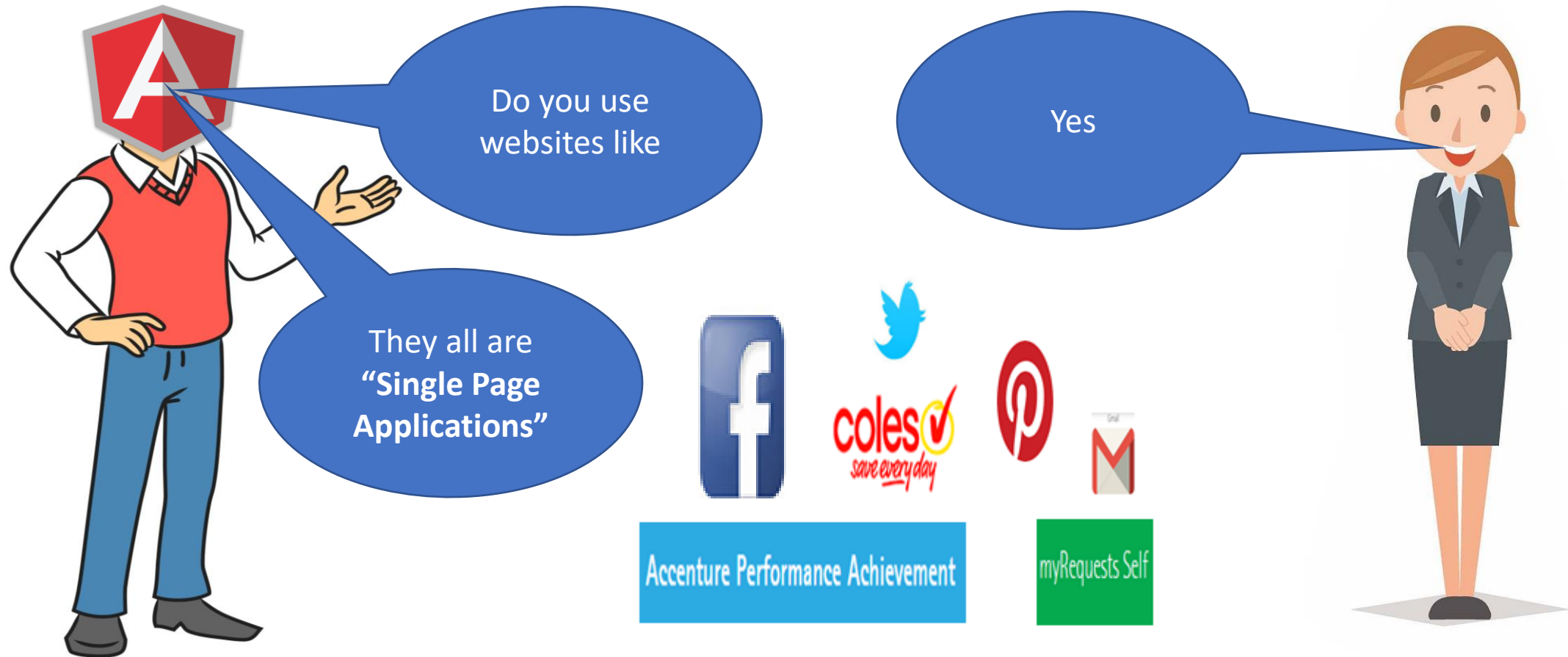
Single Page Application & Traditional Application

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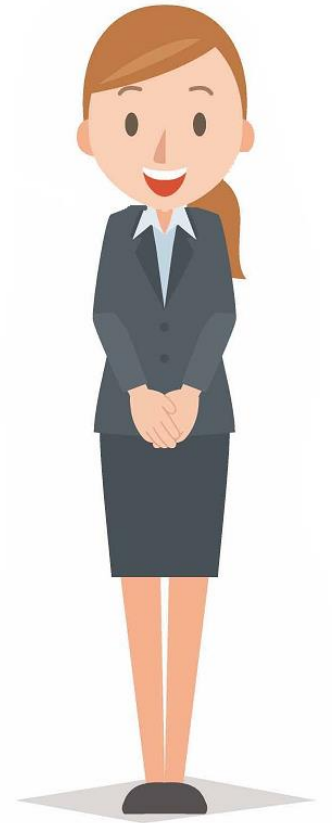
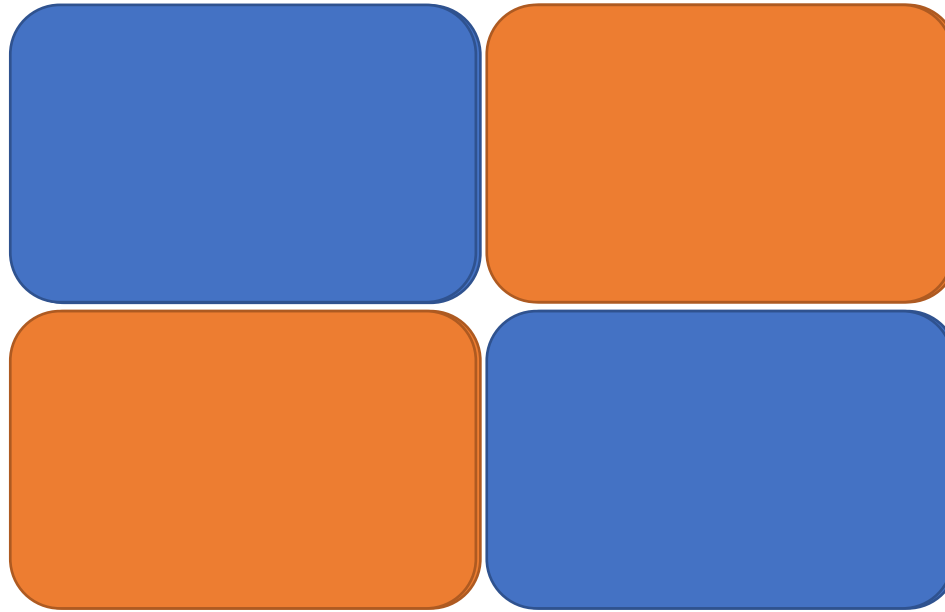
Single Page Application & Traditional Application

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Single Page Application & Traditional Application

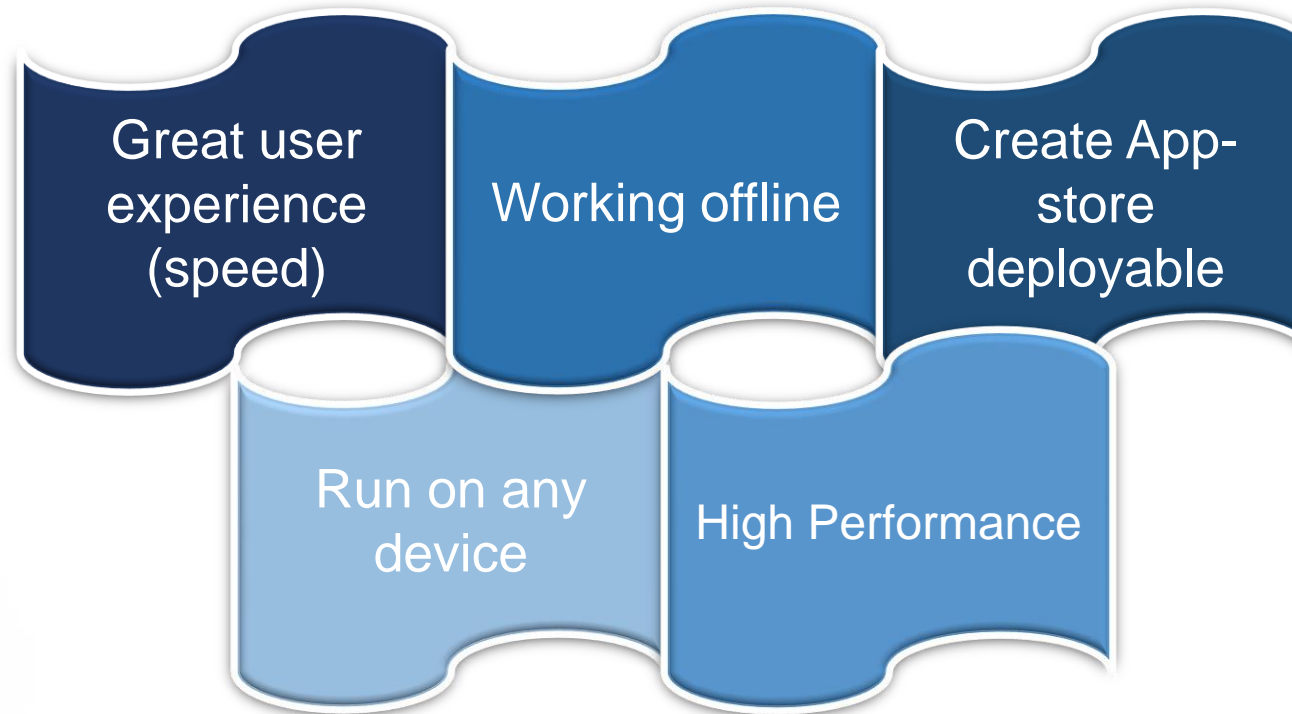
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Single Page Application & Traditional Application

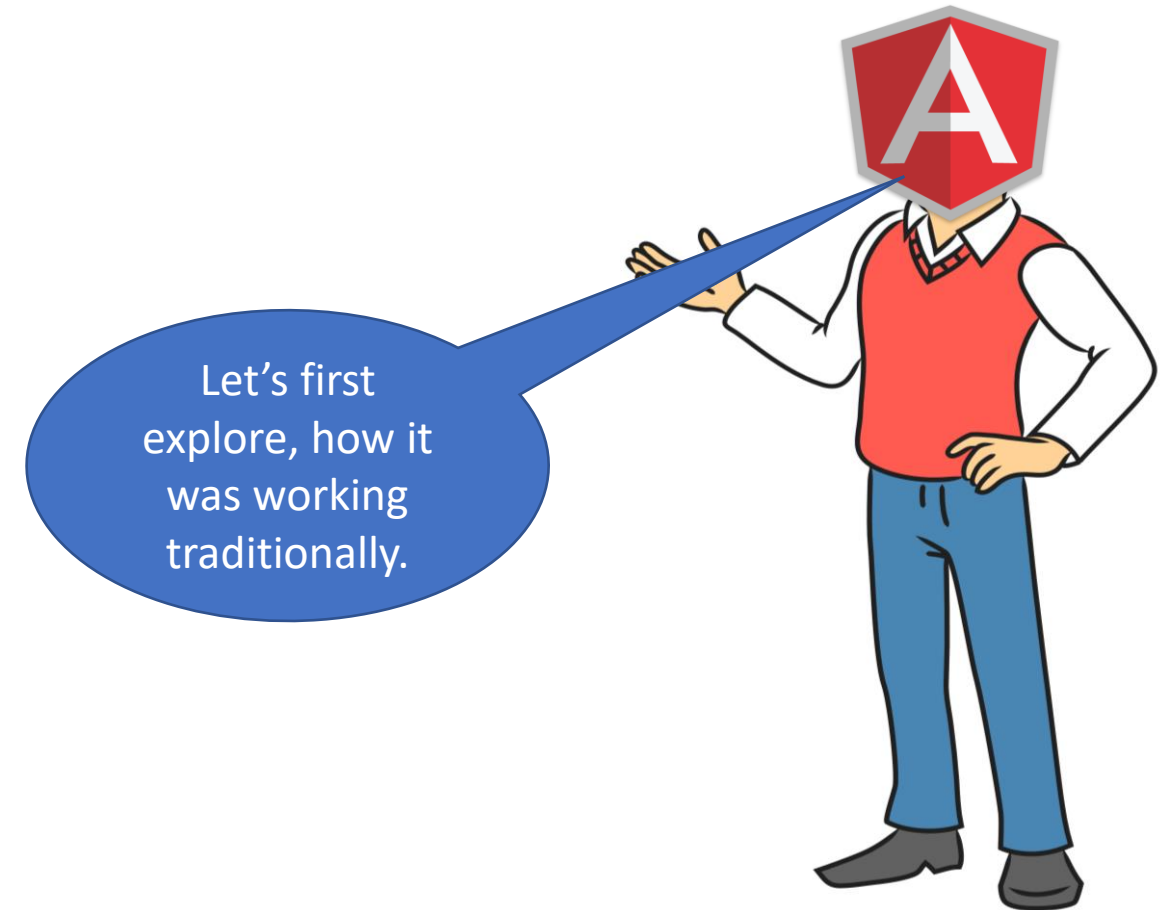
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With SPA we can get benefits like



Single Page Application & Traditional Application

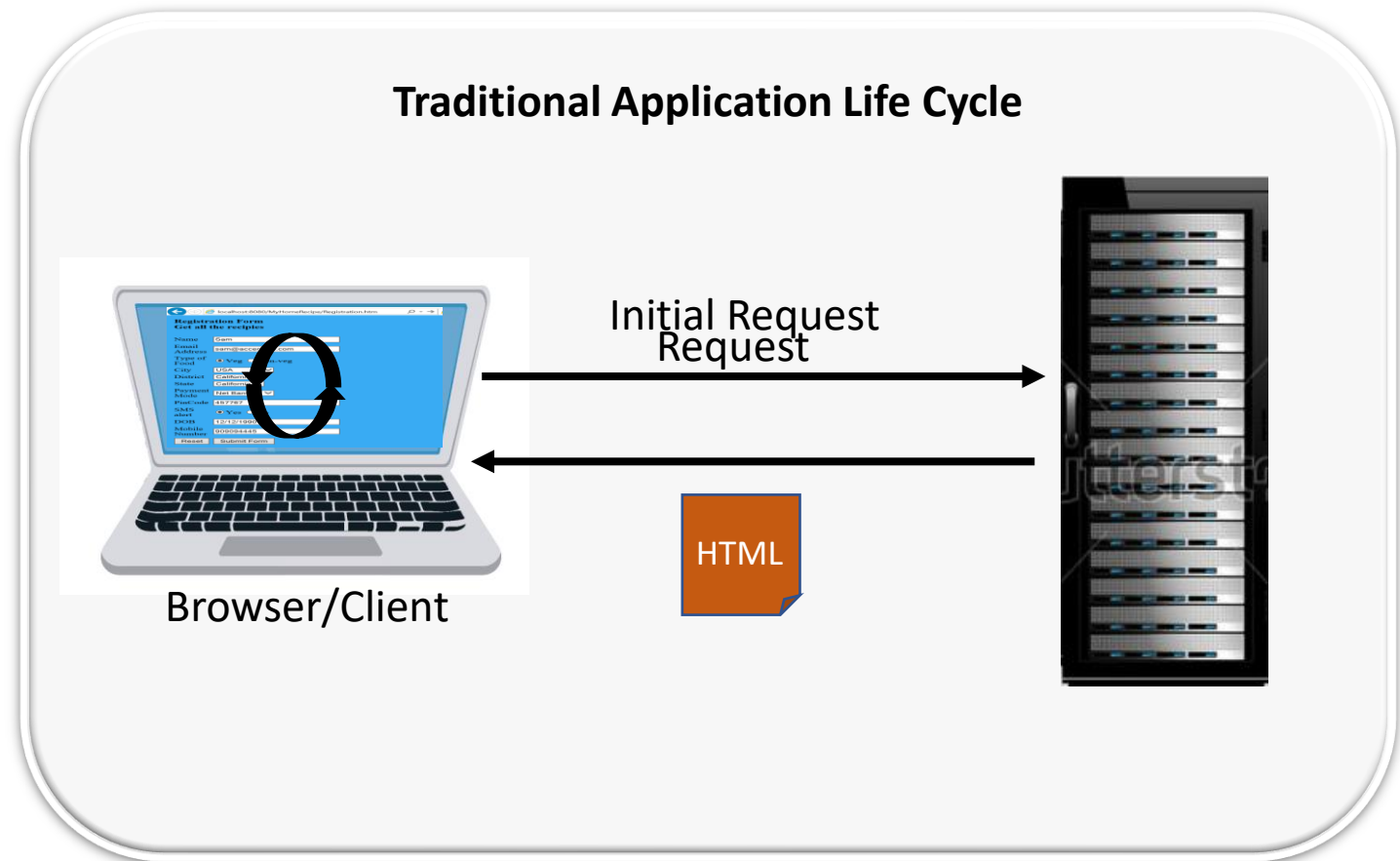
Introduction



Single Page Application & Traditional Application

Traditional Application

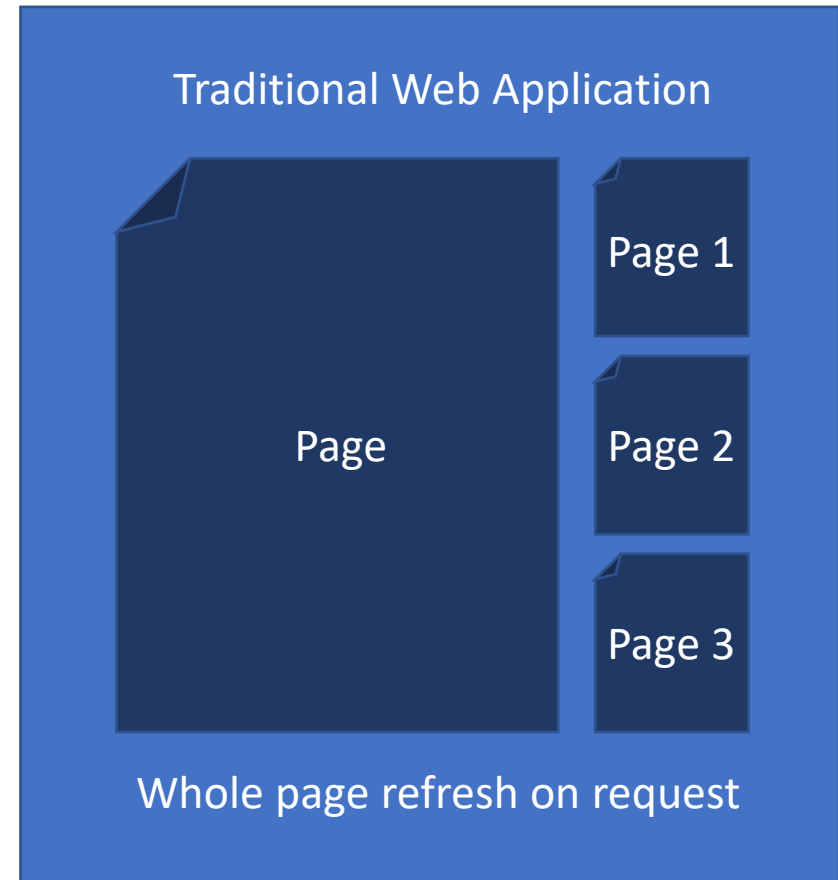
In Traditional Applications, every time there is a request received from the client, the server sends a HTML document as response.



Single Page Application & Traditional Application

Traditional Application

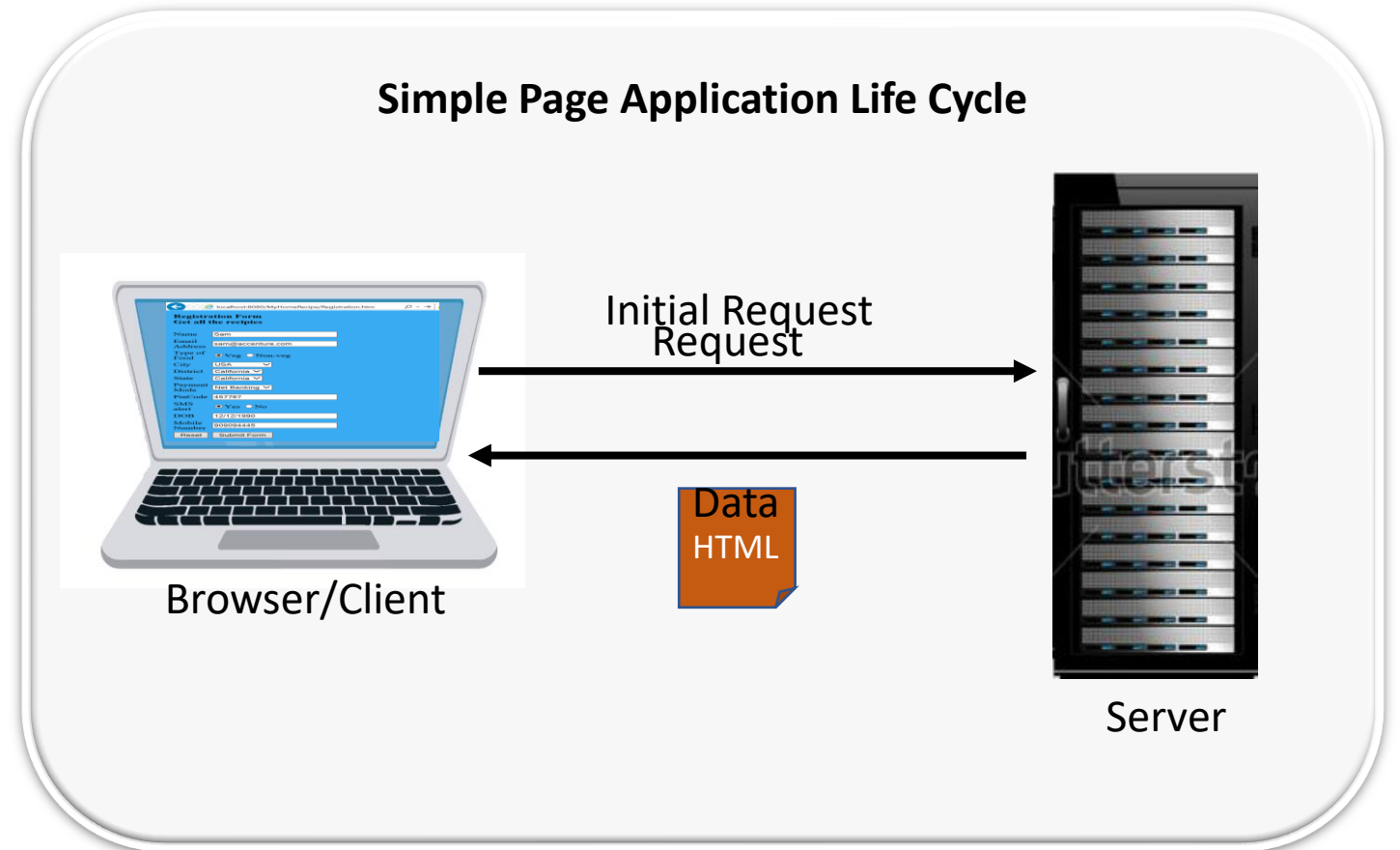
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Single Page Application & Traditional Application

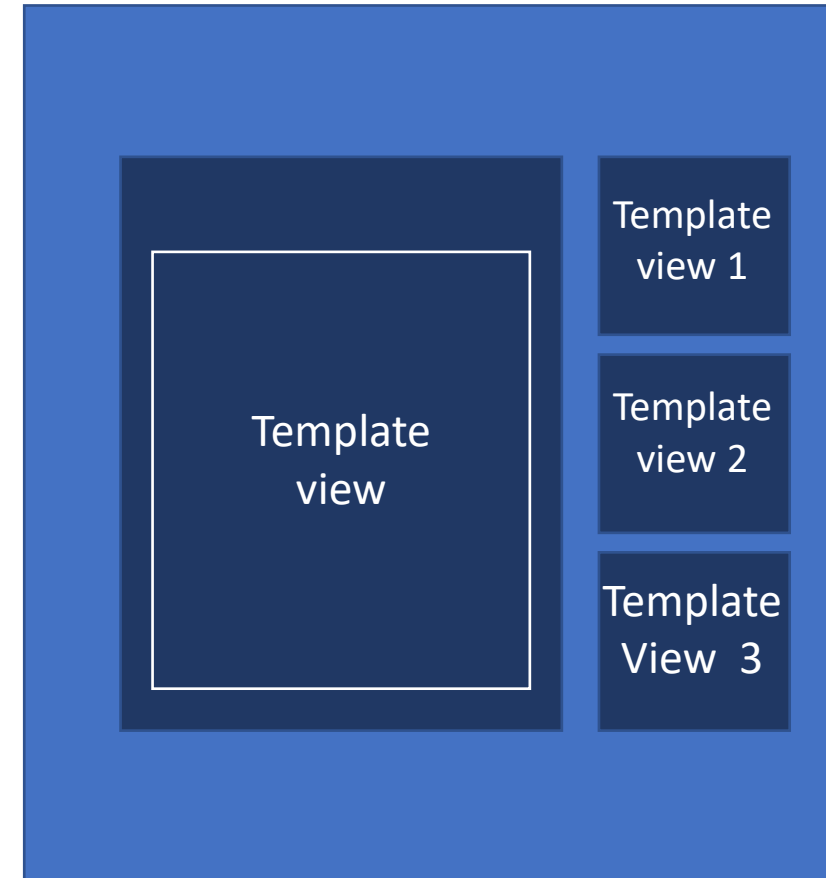
Single Page Application

In SPAs, HTML response is sent only the first time. During subsequent responses only the data is updated in the existing view(HTML).



Single Page Application & Traditional Application

Single Page Application



Single Page Application & Traditional Application

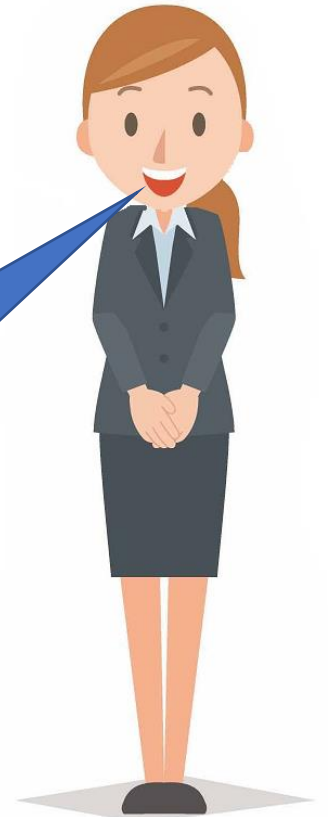
Single Page Application



Let's
explore

*Angular is one of the framework that can
be used for creating Single Page
Applications.*

It's really interesting. Can
you share some more
information about history
and journey of angular.



Angular JS & Angular

Angular JS and Angular

Angular JS



Referred as "**Angular.js**" or "**AngularJS 1.X**"

JavaScript-based open-source framework

Help us to build CRUD style business applications

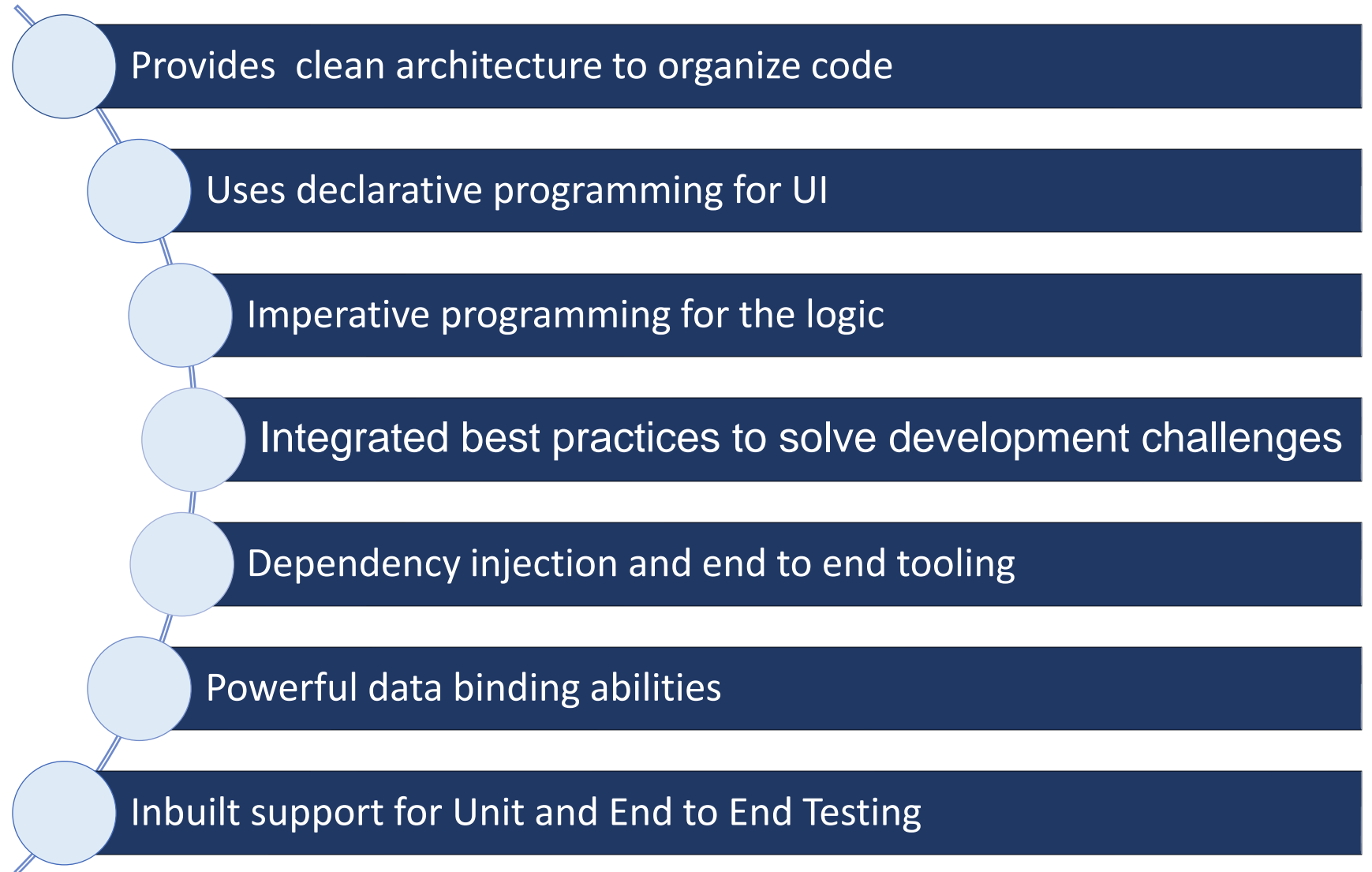
Supports modern desktop and mobile browsers

It uses a subset of jQuery called jQuery



Angular JS and Angular

Angular



Angular JS and Angular

Angular Language Choice



- No Transpilation required

ES 5

- Newer features like lexical scoping, classes, etc.,
- Requires Transpilation

ES 2015

- Non JavaScript based language

Dart











- Strong typing
- Has to be transpiled

TypeScript

Angular JS and Angular

Angular Key Features



-  Improved Dependency Injection (DI)
-  Annotation
-  Dynamic Loading
-  Templating
-  Directives
-  Routing
-  Smaller and Faster
-  Animation Support
-  TypeScript 2.1 and 2.2 Compatibility
-  View Engine



Module Summary

Now, you should be able to understand:

- Single Page Applications (SPA)
- Traditional Applications Versus Single Page Application flow
- Difference between AngularJS Angular
- Key Features of Angular



Thank You

