Setting up the Angular Environment

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JAVA CHAMPION

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Previous Module

End the Java EE back-end development

Document REST API

BookEndpoint

Swagger annotations

Contract

JSon format

Overview

Evaluate several tools

Node JS

Building tool

Angular CLI

Swagger CodeGen

Graphical component library

Browser

Node JS

JavaScript run-time environment

Executing JavaScript code

Historically JavaScript for client-side

JavaScript to be used for server-side

Foundation of "JavaScript everywhere"

Mandatory for Angular

Selecting a Building Tool

Yarn

Manage JavaScript dependencies

Install libraries, packages, applications

Install Angular libraries

Execute scripts

Transpile TypeScript into JavaScript

Angular CLI

Command line interface

Scaffold and build Angular applications

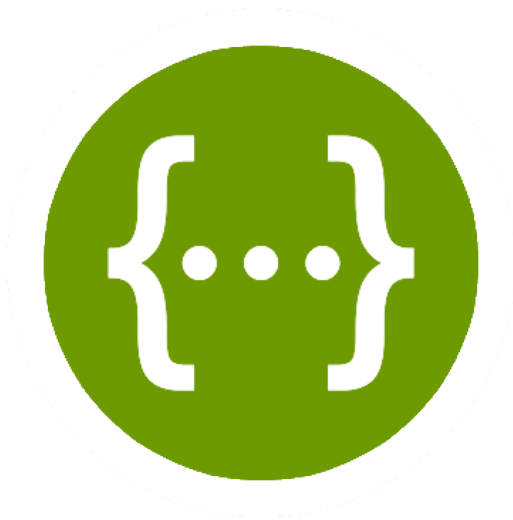Commands
- Initialize
- Develop
- Maintain

Works out of the box

Swagger CodeGen

Different tools

Generates code from a Swagger contract

40 different languages

Generate Typescript client stub

From BookEndpoint JSon contract

Selecting a Component Library

BootStrap

Free and open-source

Front-end web framework

Designing websites and web applications
- Templates
- Forms
- Buttons
- Navigation
- ...

Selecting a Browser

Chrome

Browser on desktops and mobiles

Chrome DevTools

Authoring and debugging tools

Iterate, debug, and profile

Extensions

Demo

Node JS

Yarn

Angular CLI

Swagger CodeGen

Summary

IntelliJ IDEA

Node JS

Yarn

Angular CLI

Swagger CodeGen

Bootstrap

Chrome

Next Module

Bootstrap web application

Angular CLI

Check the generated code

Compile and execute

Yarn

Configure BootStrap