



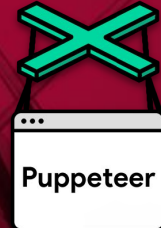
ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Angular Testing Workshop

1 - Introduction



<SPECTATOR>



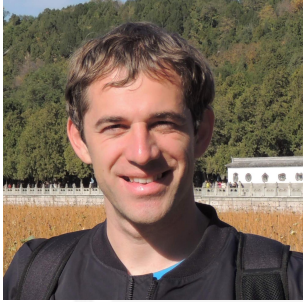


ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Angular Testing Workshop

1 - Introduction

About Me...



- Rainer Hahnekamp
ANGULARarchitects.io
- Trainings and Consulting



@RainerHahnekamp

www.angulararchitects.io



<https://www.youtube.com/c/RainerHahnekamp>



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Goal

- Cover major testing technologies and techniques
- Know when to use them
- Try them out



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Didactics

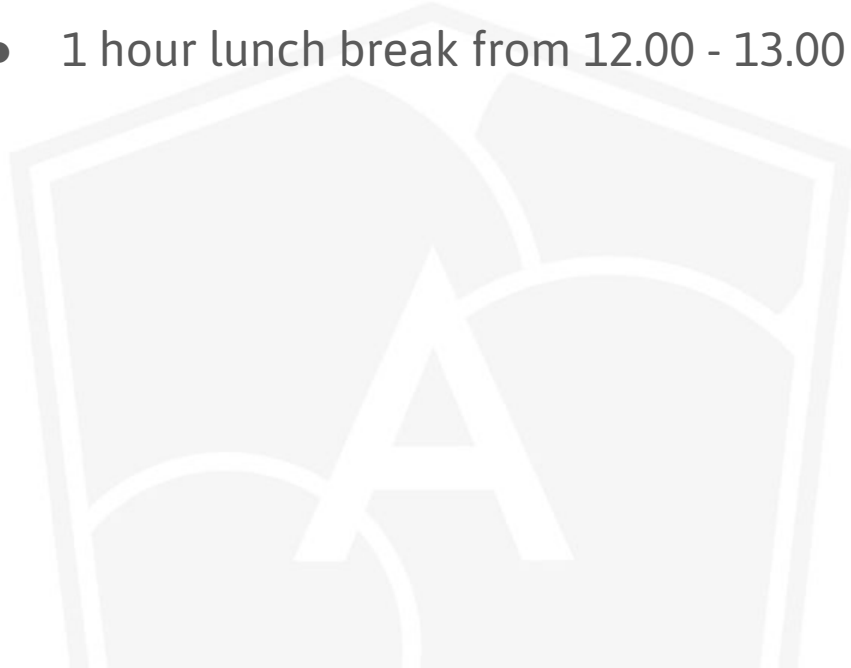
- Theory (Slides) & Live Coding
- Exercises á 40 minutes
- Discussion of Solutions
- **Your Input**



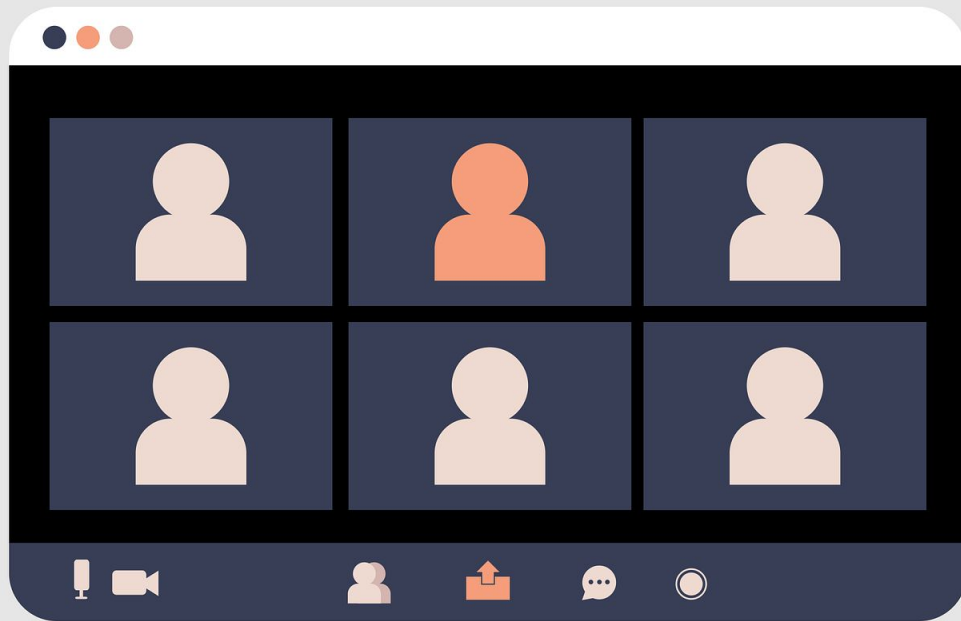
ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Organisational

- 4 Units per Day
- 15 minutes breaks
- 1 hour lunch break from 12.00 - 13.00



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE



Introduction Round



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Agenda

Part 1

- Introduction
- Asynchronity & Mocking
- RxJs Marbles
- Component & Integration Tests
 - a. Basics: TestBed
 - b. Advanced
 - i. Mocking Components
 - ii. Test Setup
 - iii. Spectator
 - iv. Harnesses

Part 2

- Testing Strategies
- End-to-End Tests
 - Basic
 - Advanced
- Visual Regression
- Storybook



Integration Tests

State-Driven Tests

Sociable Tests

Behaviour-Driven Tests

Isolated Tests

Component Tests

Solitary Tests

Unit Tests

Integrated Tests



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE



End-to-End (E2E) Tests

Integration &
Component Tests

Unit Tests





Component



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Component



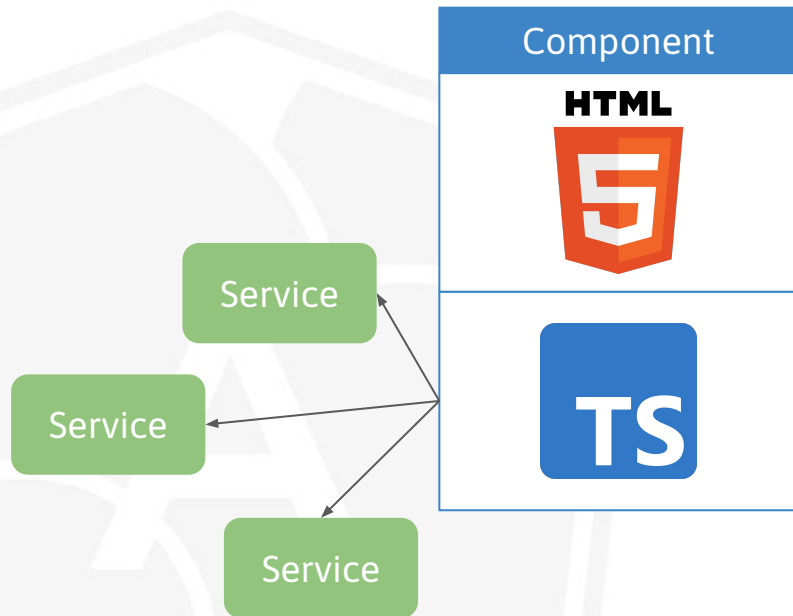
ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

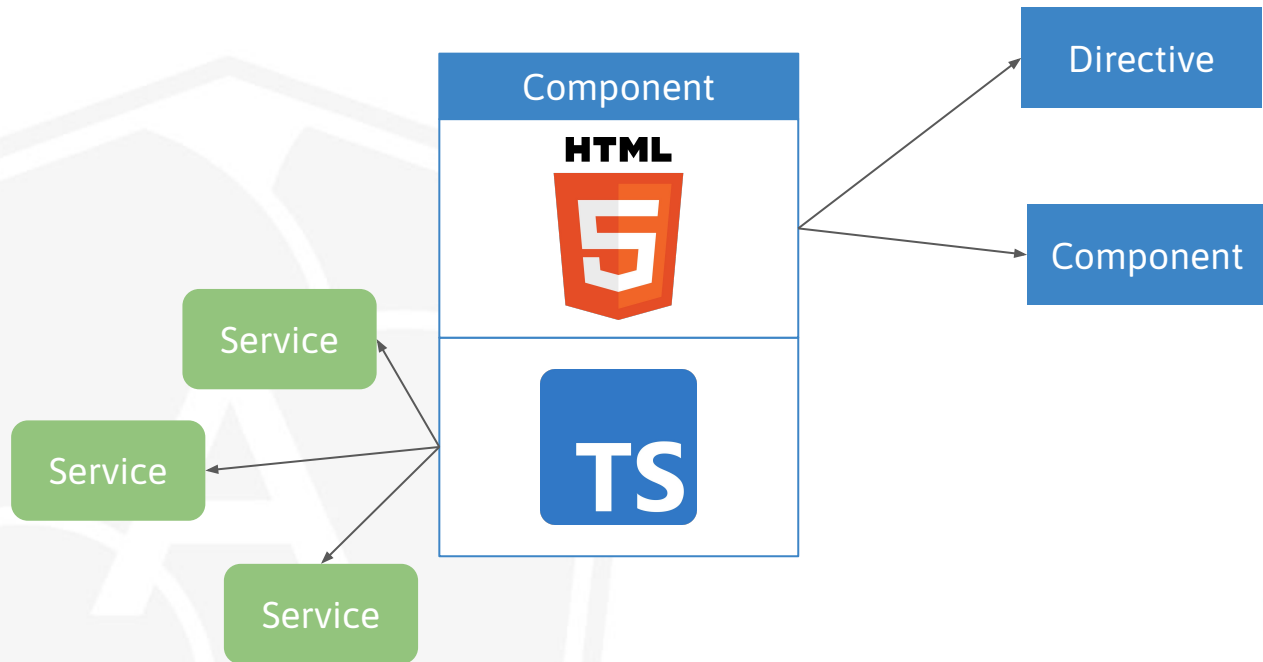
Component

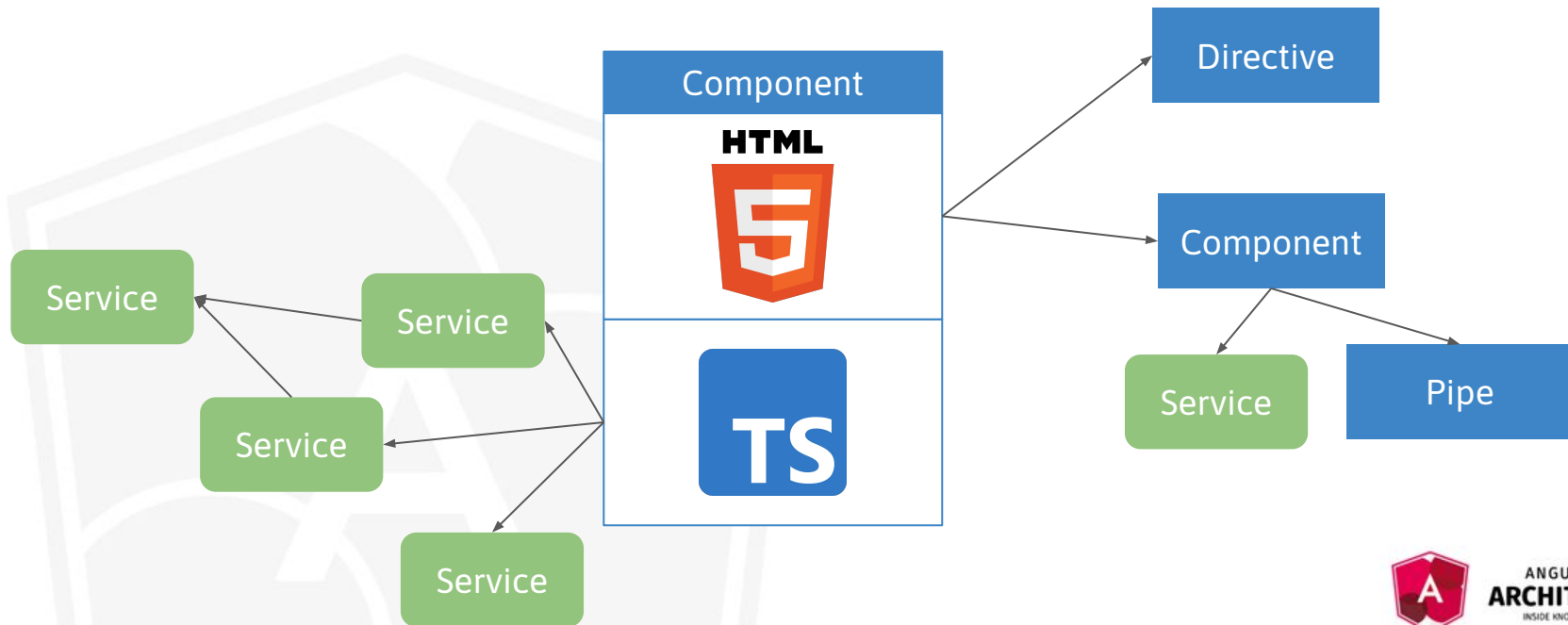
HTML



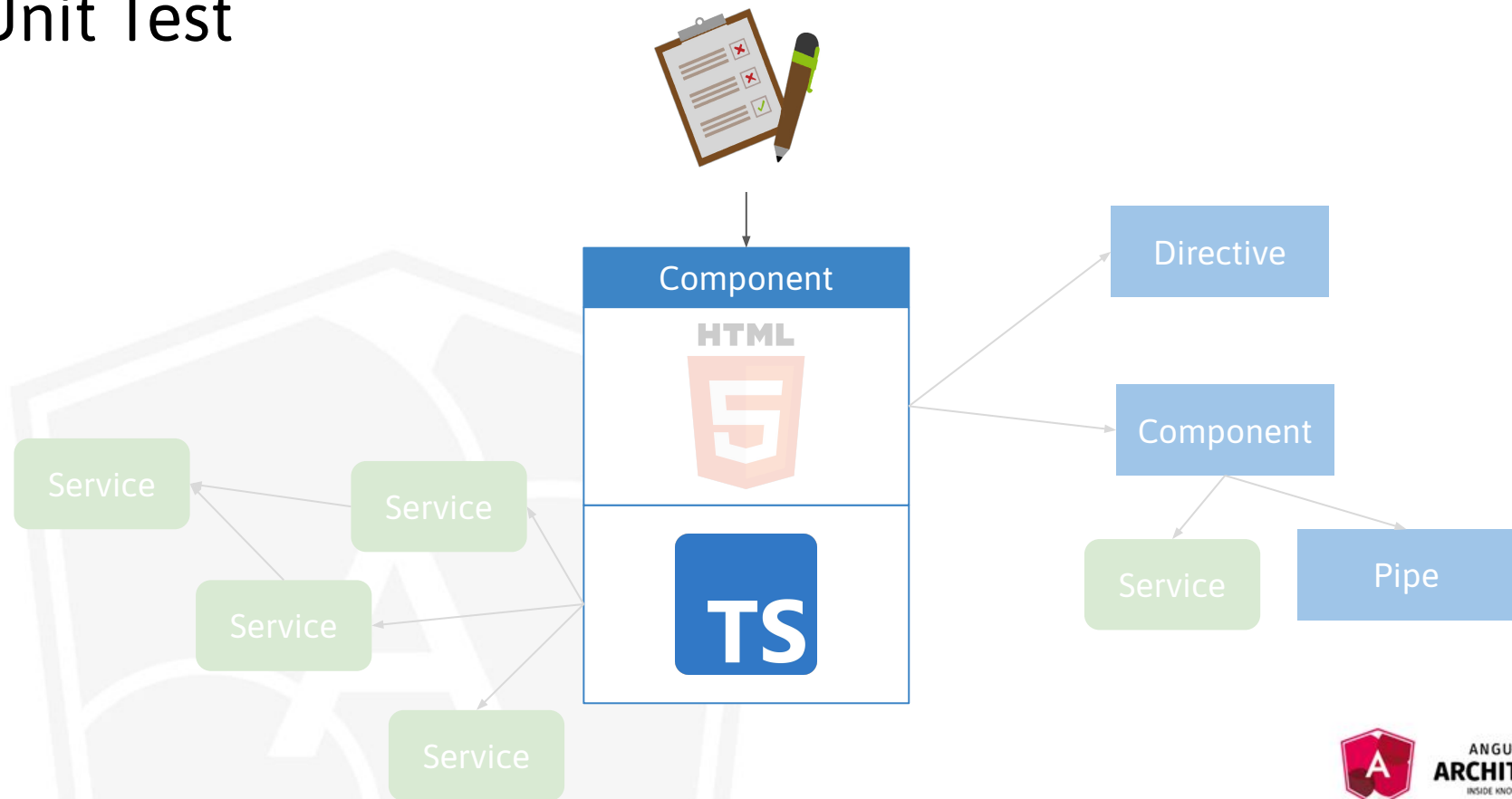
ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE



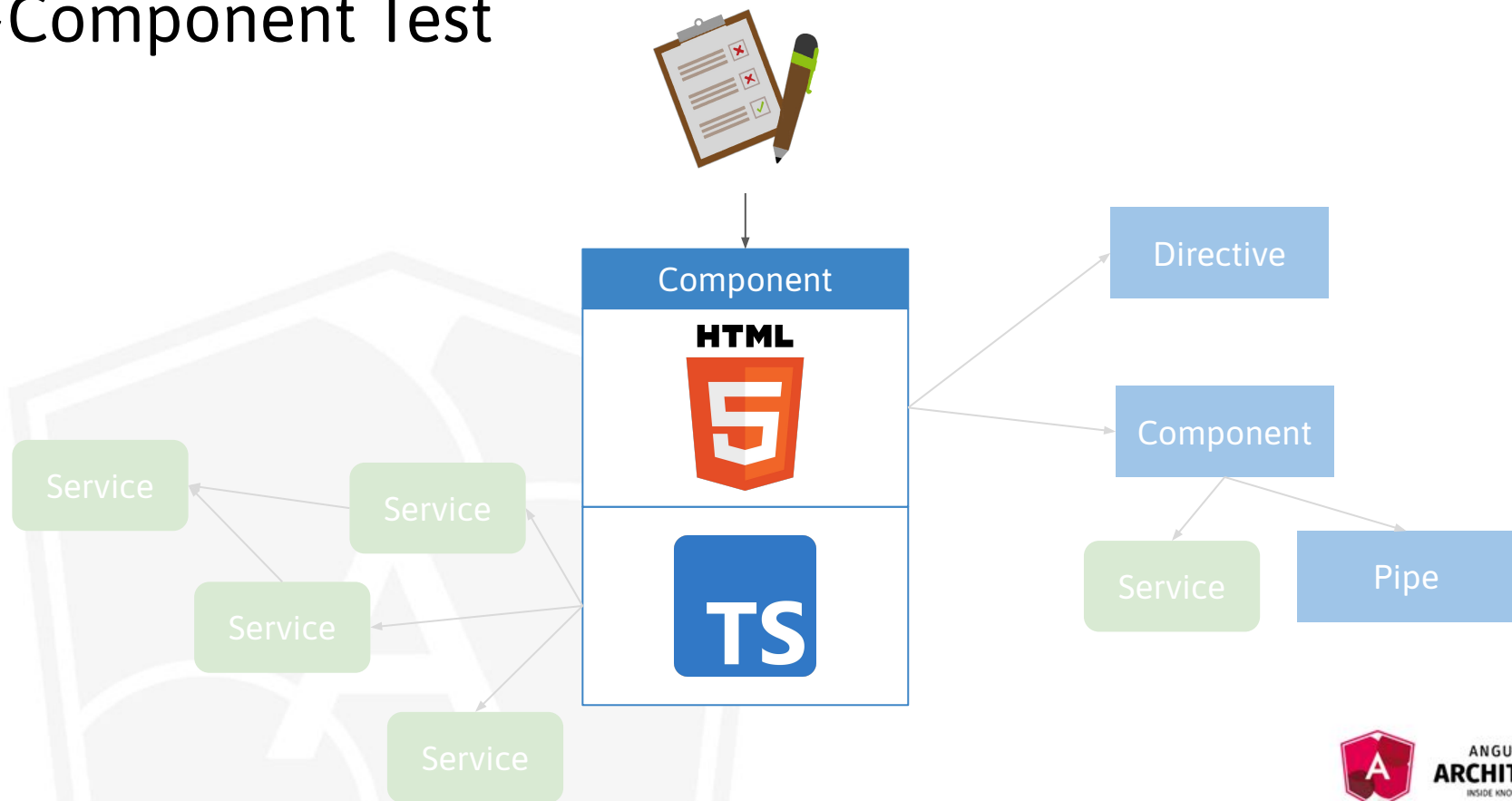




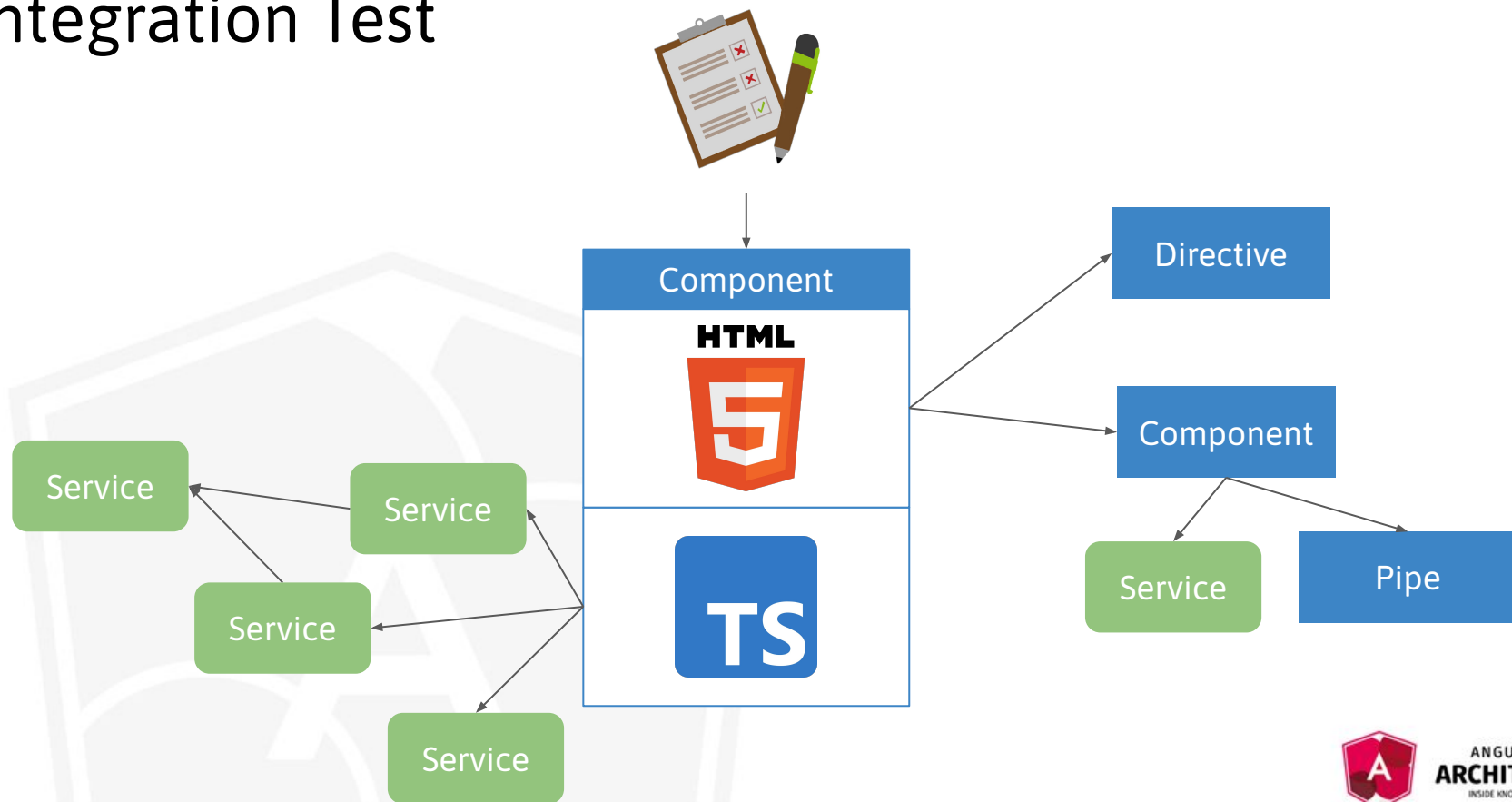
Unit Test



~Component Test



Integration Test



The "Official" Version

End-to-End (E2E) Tests

Integration &
Component Tests

Unit Tests

Deprecated since Angular 12



Protractor

end to end testing for AngularJS



Jasmine



KARMA



ARCHITECTS
INSIDE KNOWLEDGE

The "Better" Version



End-to-End (E2E) Tests

Integration &
Component Tests

Unit Tests

The Cypress logo, consisting of the word 'cypress' in a bold, lowercase, sans-serif font, with the 'c' in a dark circle.



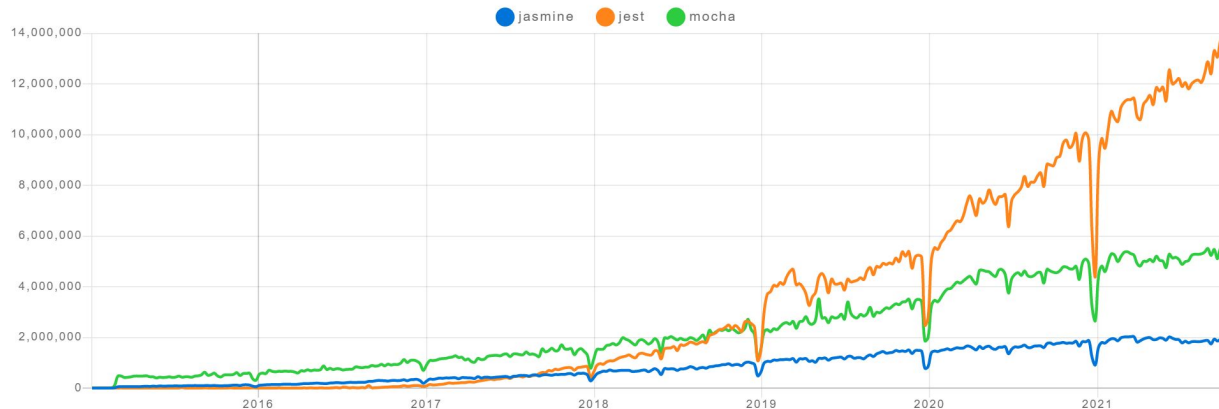
The Jest logo, featuring a stylized red 'J' with a crown on top, followed by the word 'Jest' in a red, sans-serif font.

jasmine vs jest vs mocha

Enter an npm package...

jasmine x jest x mocha x + ava + qunit + chai + should + expect

Downloads in past All time ▾



Stats

			Stars	Issues	Version	Updated ②	Created ②	Size
■	jasmine		346	7	3.10.0	10 days ago	7 years ago	minzipped size 38.7 KB
■	jest		36,365	1,616	27.3.1	5 days ago	10 years ago	bundlephobia timeout
■	mocha		20,721	257	9.1.3	8 days ago	10 years ago	minzipped size 63.4 KB

