Testing Pipes

You can test [pipes](#) without the Angular testing utilities.

If you'd like to experiment with the application that this guide describes, run it in your browser or download and run it locally.

Testing the `TitleCasePipe`

A pipe class has one method, `transform`, that manipulates the input value into a transformed output value. The `transform` implementation rarely interacts with the DOM. Most pipes have no dependence on Angular other than the `@Pipe` metadata and an interface.

Consider a `TitleCasePipe` that capitalizes the first letter of each word. Here's an implementation with a regular expression.

Anything that uses a regular expression is worth testing thoroughly. Use simple Jasmine to explore the expected cases and the edge cases.

{@a write-tests}

Writing DOM tests to support a pipe test

These are tests of the pipe *in isolation*. They can't tell if the `TitleCasePipe` is working properly as applied in the application components.

Consider adding component tests such as this one: