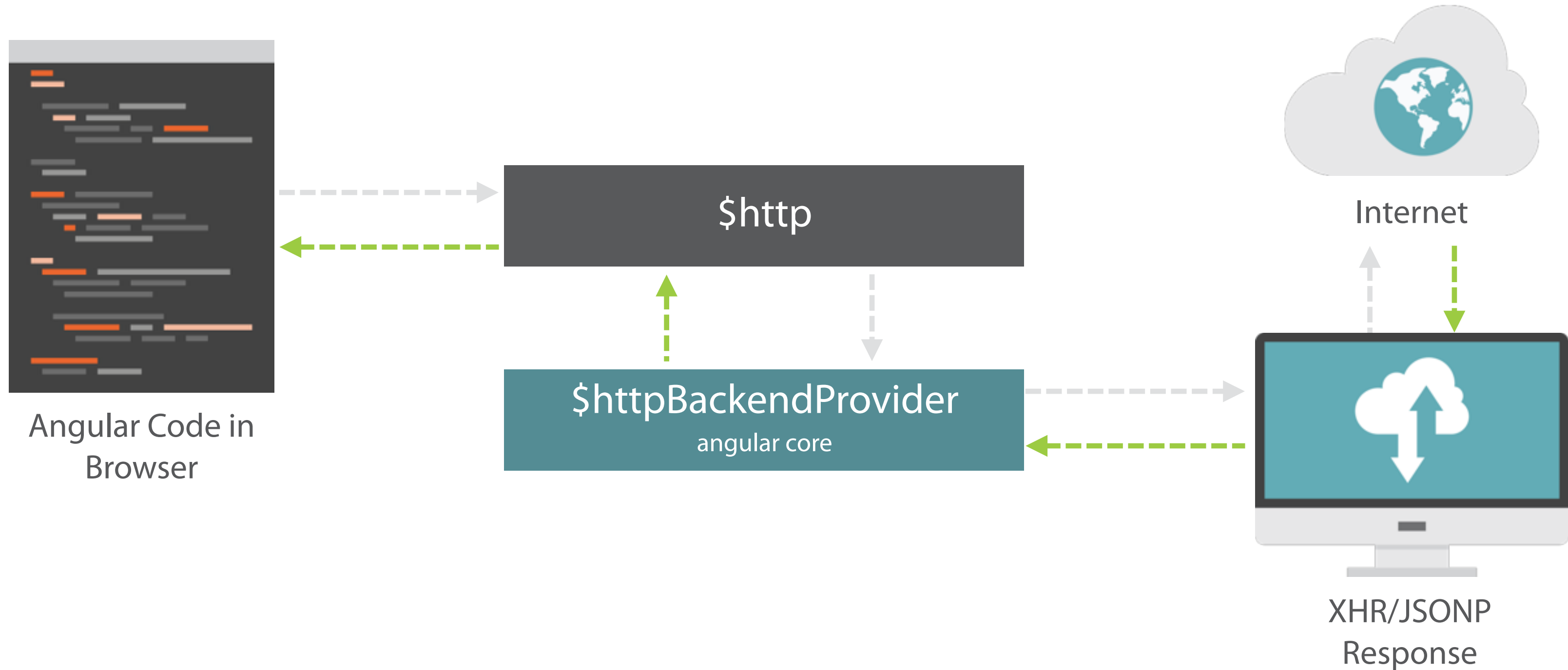


How do we use Angular's `$http` service  
in our unit tests?

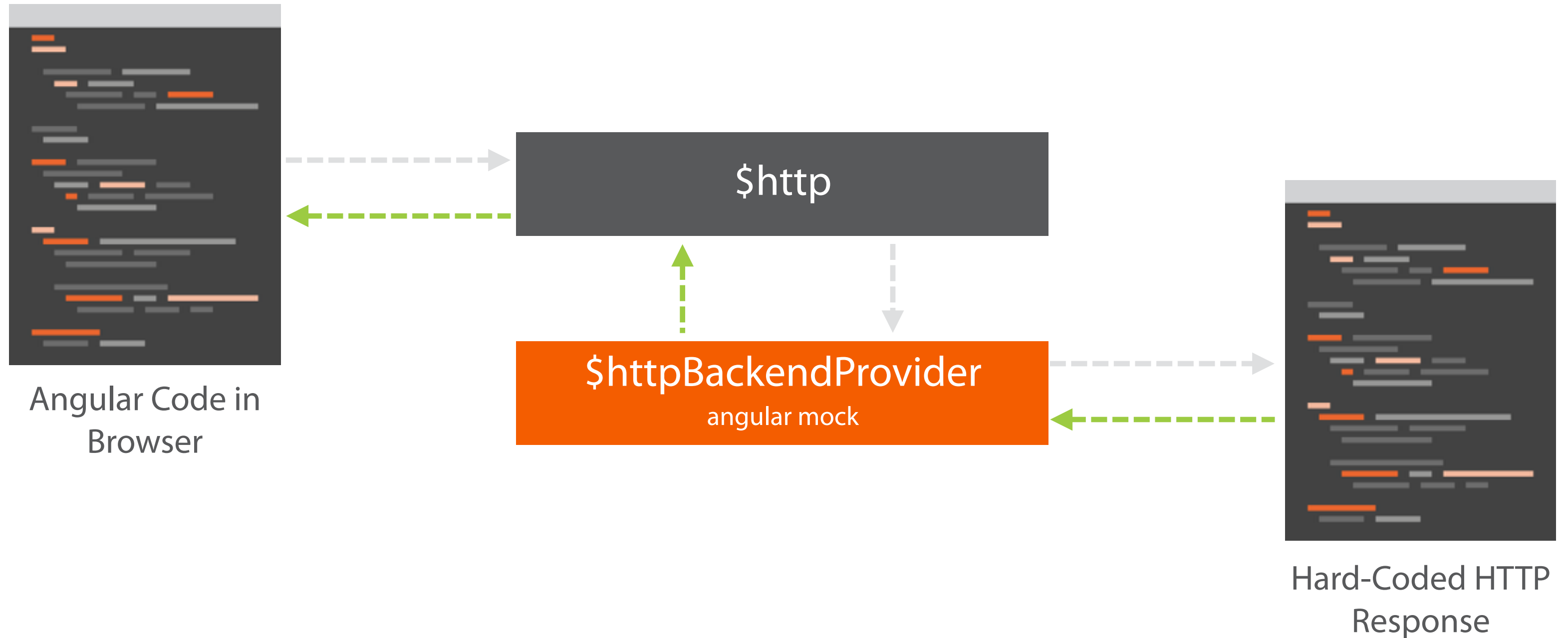
# \$httpBackend

Fake HTTP backend implementation suitable for unit testing applications that use the \$http service.

# Using `$http` in Angular Application Code



# Using `$http` in Angular Unit Tests



## \$httpBackend functions

**when**

Specifies a backend definition

**expect**

Specifies a request expectation

# *when* Function

Specifies Backend Definition

```
$httpBackend  
  .when( 'GET', 'http://localhost/api' )  
  .respond( 200, { foo: 'bar' } );
```

# *expect* Function

Specifies a Request Expectation

```
$httpBackend
```

```
  .expect( 'GET', 'http://localhost/api' )
```

```
  .respond( 200, { foo: 'bar' } );
```

# Supported HTTP Verbs

GET

POST

PUT / PATCH

DELETE

HEADER

JSONP



# *when vs. expect*

## when

- Black-box Testing
- Best for Working with Data
- Use in Any Order
- Re-use Allowed

## expect

- Strict Usage Testing
- Best for Testing Exact Usage
- Order Matters
- Re-use **Not** Allowed

# *when vs. expect*

when

http request A

http request B

http request C

expect

http request A

http request B

http request C

# *when vs. expect*

when

http request A

http request B

http request C

expect

http request A

http request B

http request C

# *when vs. expect*

when

http request A

http request B

http request C

expect

http request B

http request C

# *when vs. expect*

when

http request A

http request B

http request C

expect

http request C

# *when vs. expect*

when

http request A

http request B

http request C



expect



# *when vs. expect*

when

http request A

http request B

http request C

expect

http request A

http request B

http request C

# *when vs. expect*

when

http request A

http request B

http request C

expect

http request B

http request C



# *when vs. expect*

when

http request A

http request B

http request C



expect

http request B

http request C

