Testing Components That Use Hooks

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Overview

Strategy for testing components with hooks

Testing components with AJAX effects

Testing components with state

Strategy

Test components with hooks as you test components without hooks

Testing Components with AJAX Effects

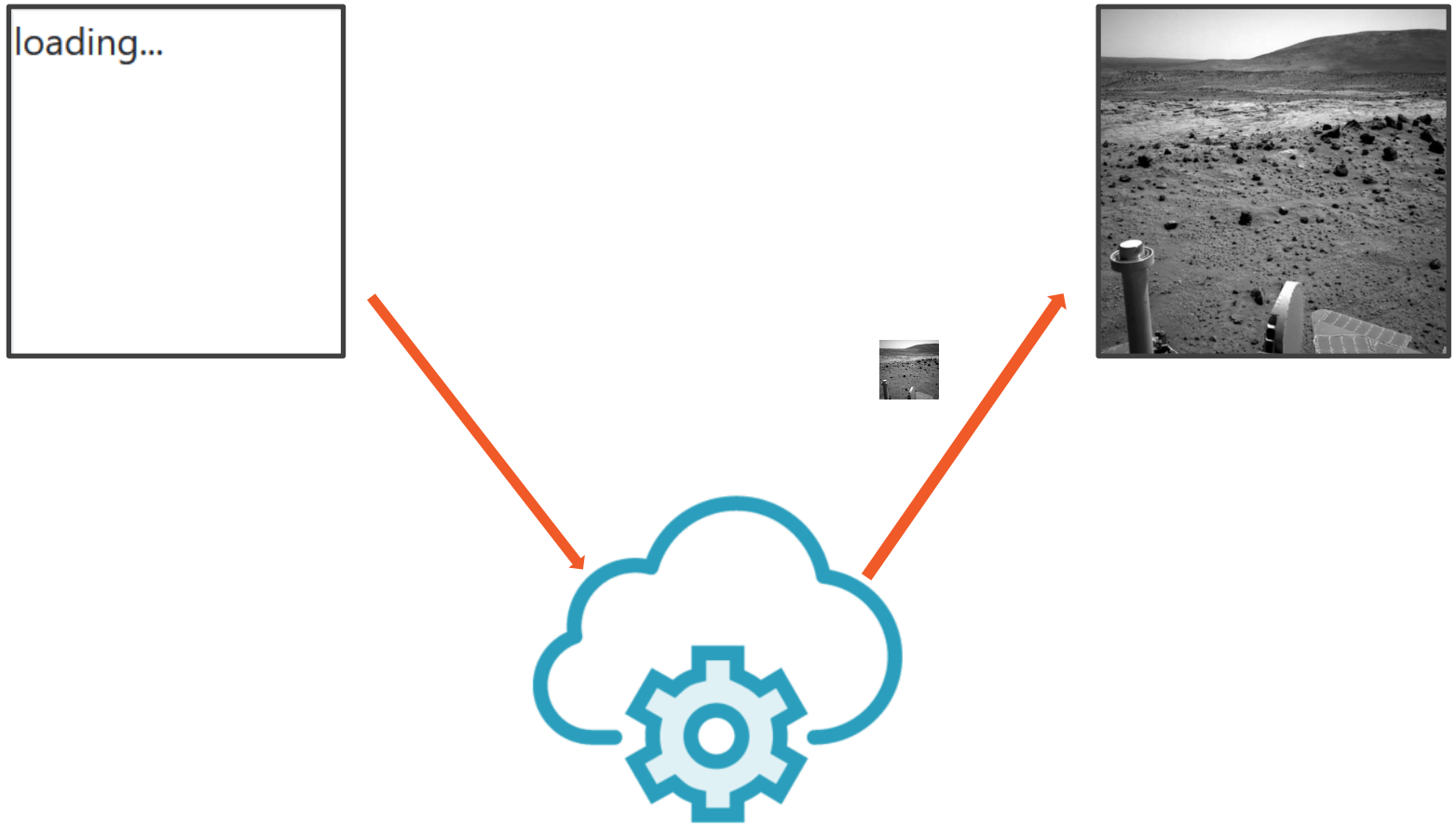
Integrated test

Allow the component to make AJAX requests

Isolated test

Fake the external service

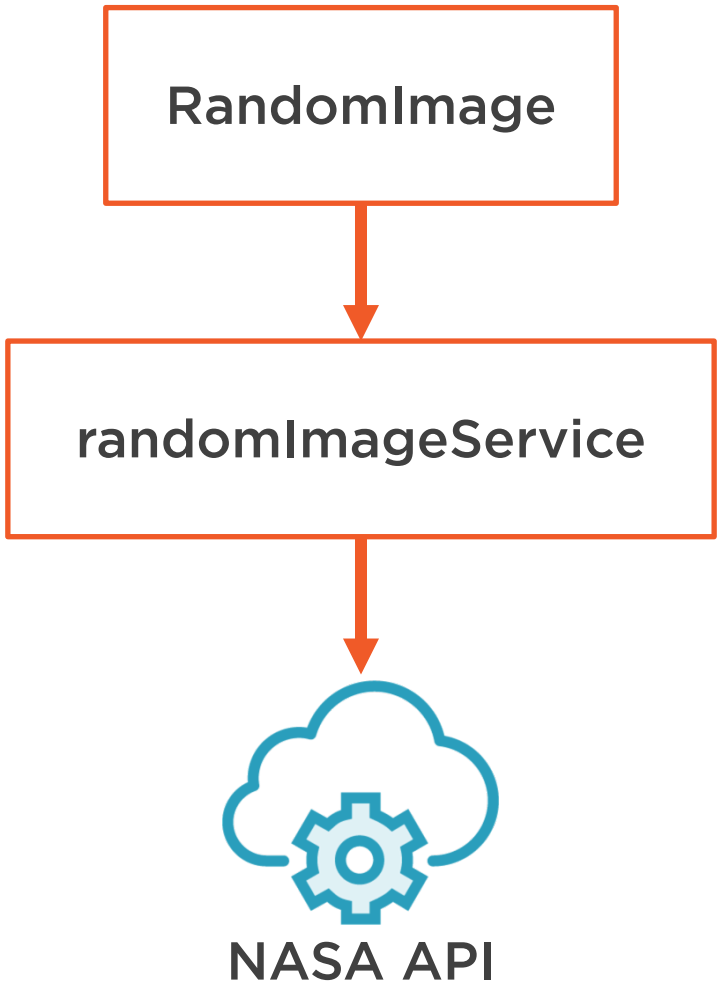
The RandomImage Component



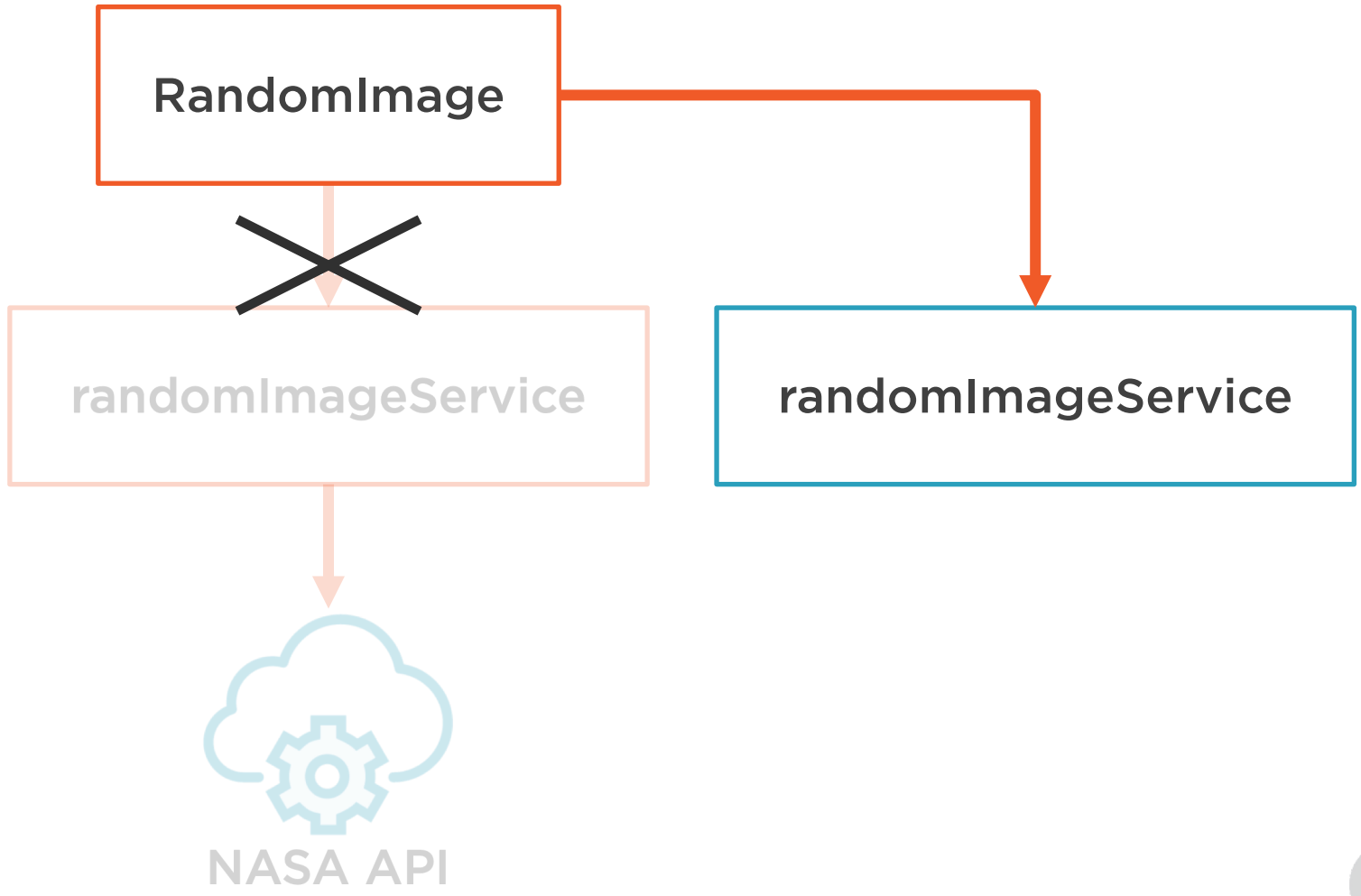
Demo

RandomImage Integrated Test

Isolating RandomImage



Isolating RandomImage



```
import * as ris
  from './randomImageService';

jest.mock('./randomImageService’);

ris
  .getRandomImageUrl
  .mockResolvedValue(
    'http://foo.com/cat.jpg’);

ris
  .someOtherFunc
  .mockImplementation((a, b) => a + b);

ris
  .someOtherFunc
  .mockReturnValue(7);
```

- Step 1: Import the module to be mocked
- Step 2: Tell jest to mock the module
- Step 3: Configure the mock behaviour

Demo

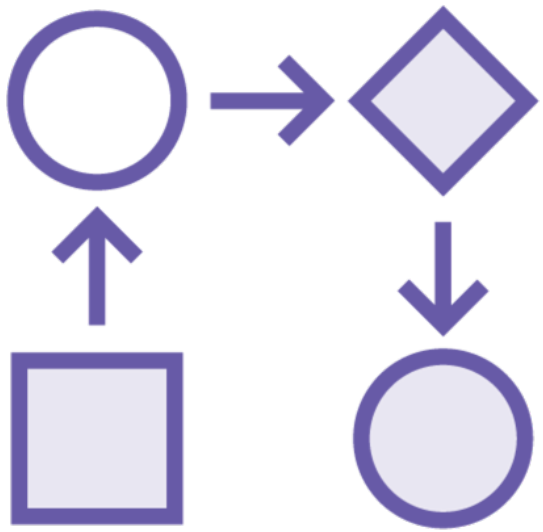
RandomImage Isolated Test

Testing Components With State

Demo

Stateful List Component Test

Testing Components with a Reducer



Same as testing state

Option to test the reducer function

Demo

Reducer List Component Test

Overview

Hooks don’t change the testing strategy

Use mocking to break dependencies