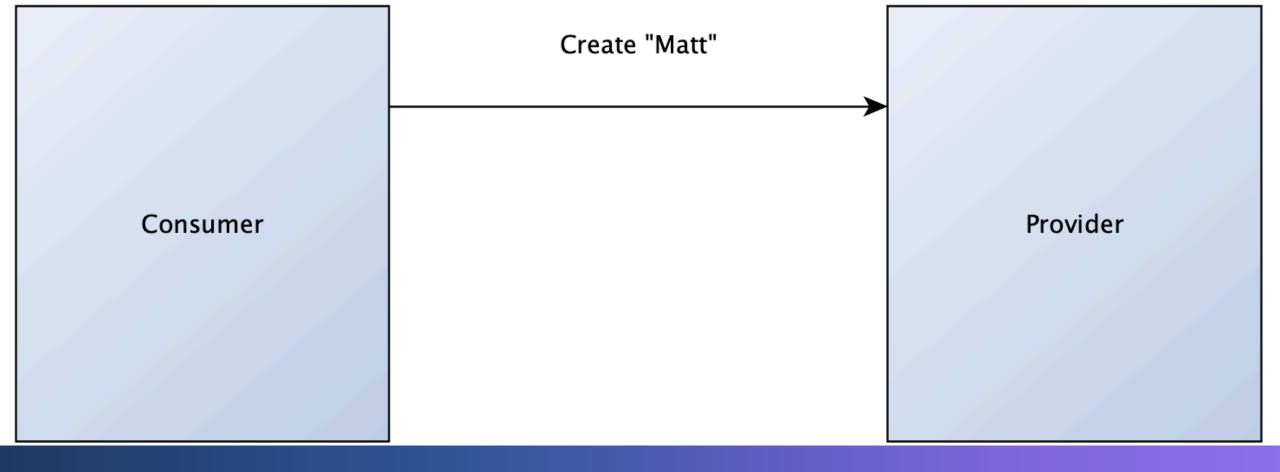
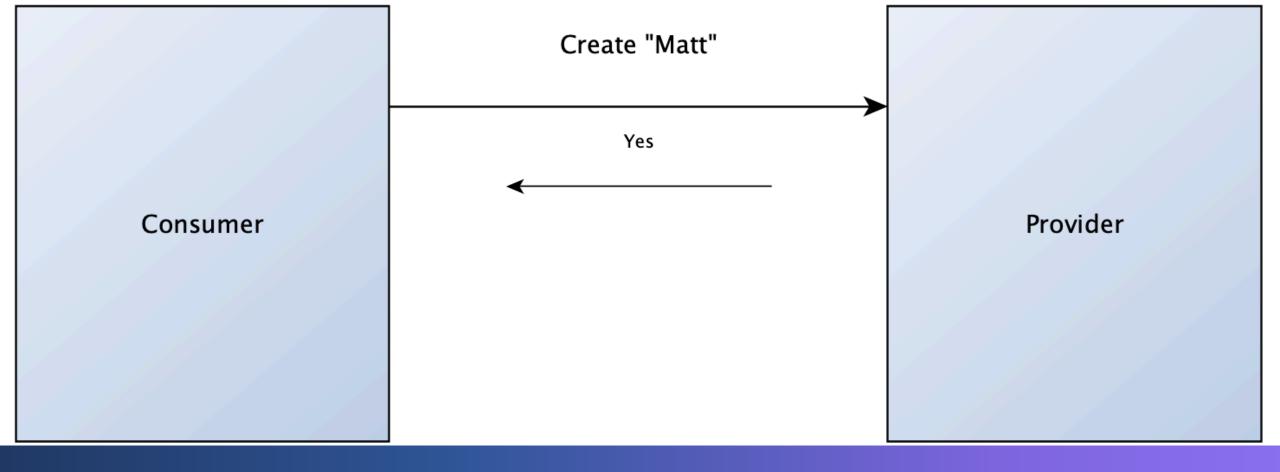
How the maintainers use

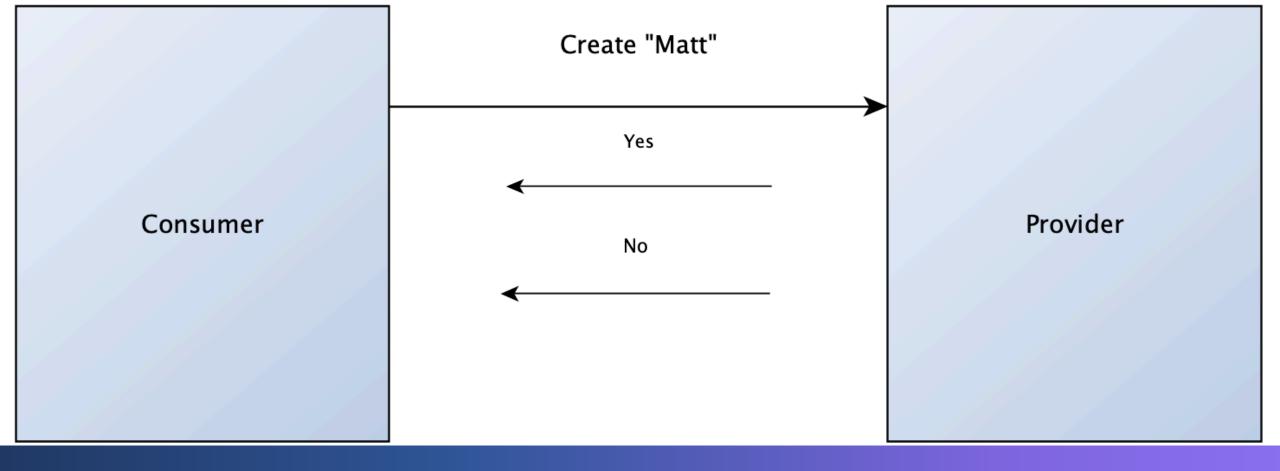
PACT So

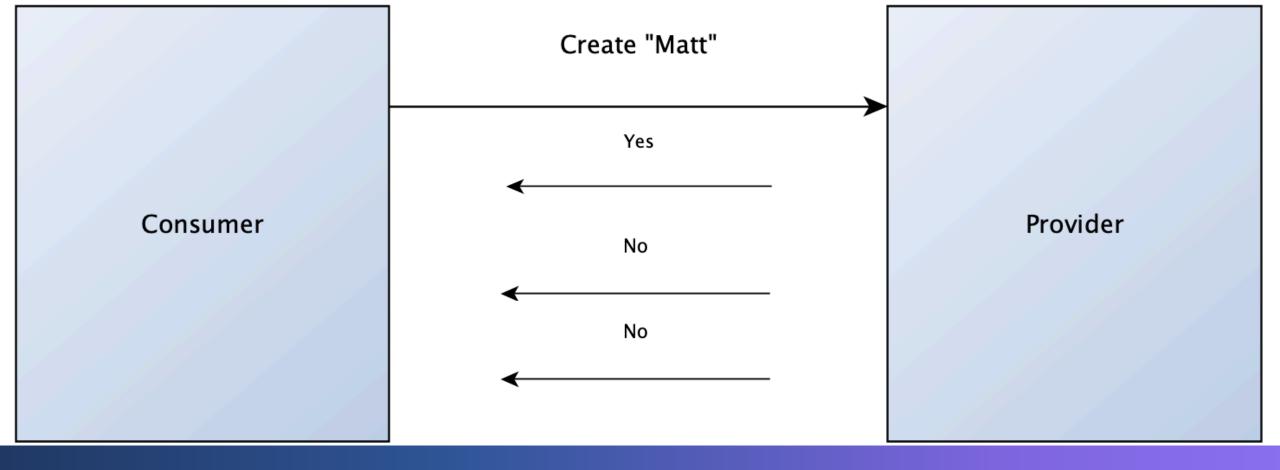
Well, how one maintainer uses it

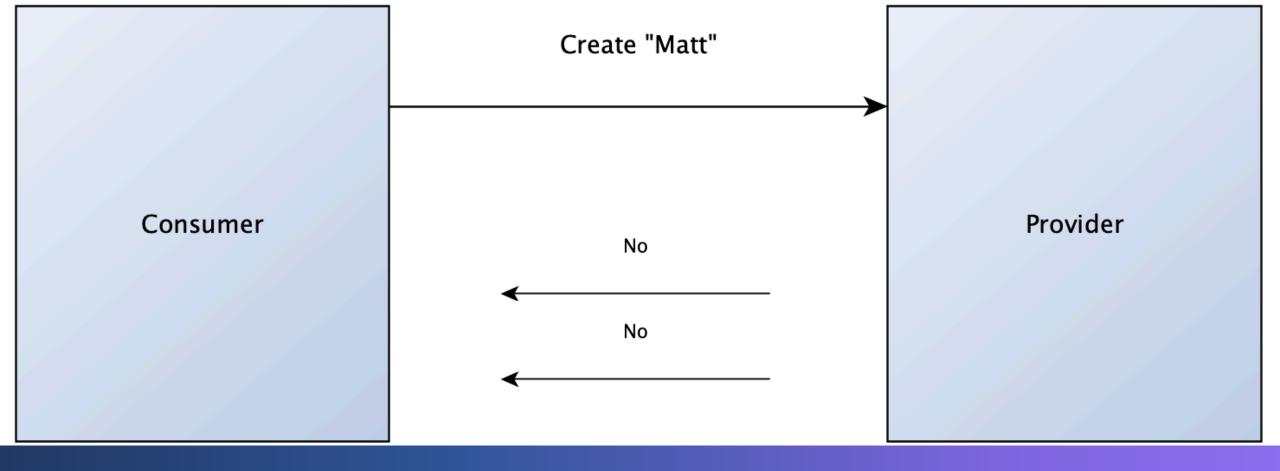
Timothy Jones

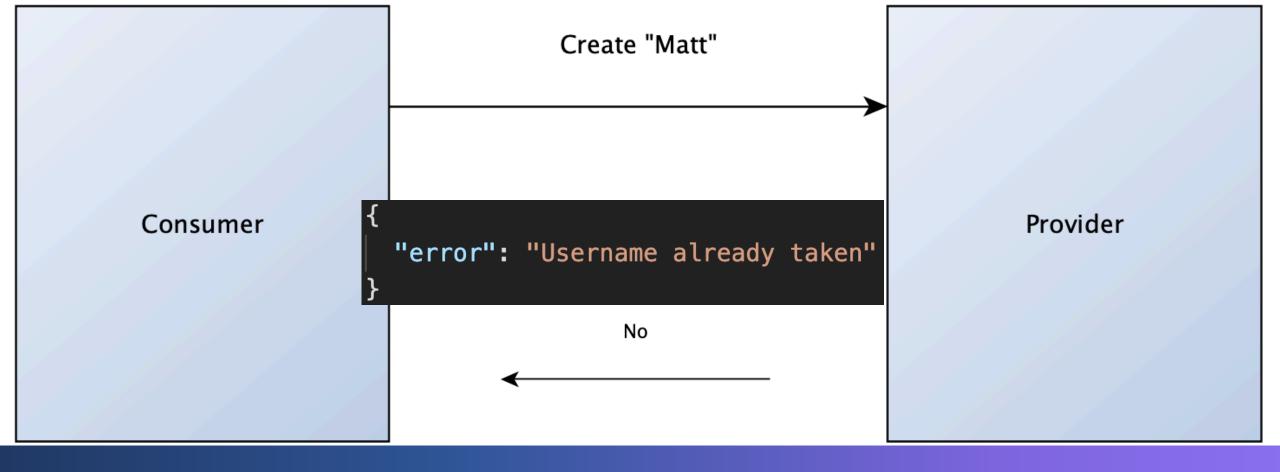


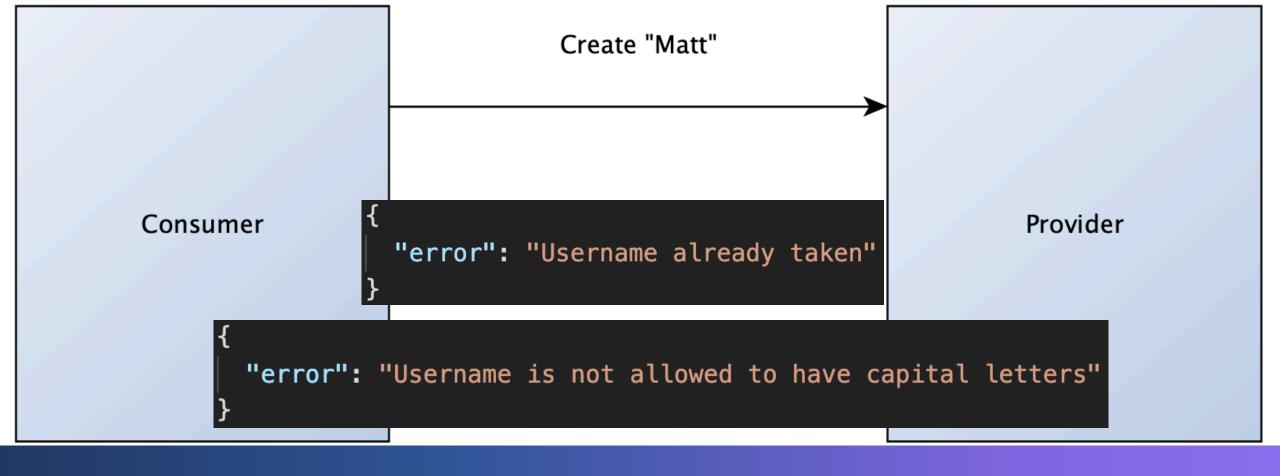


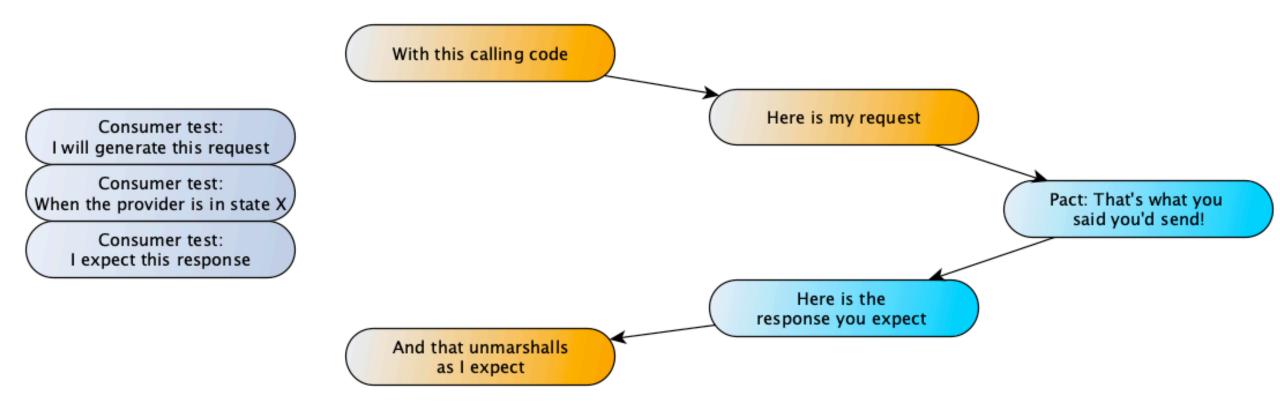












#### const username = 'Matt';

```
const expectedResponseBody = {
    error: like('The username Matt is already taken'),
};
```

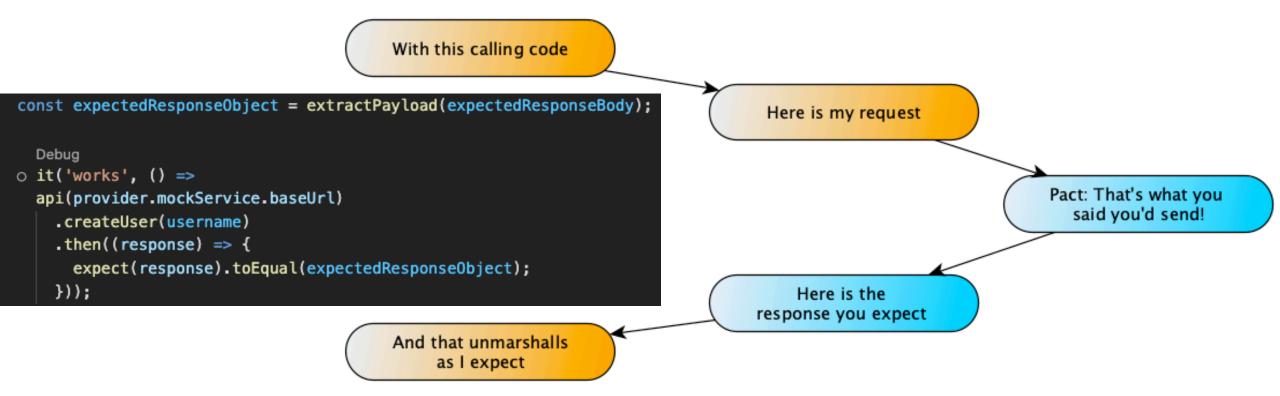
```
beforeEach(() =>
```

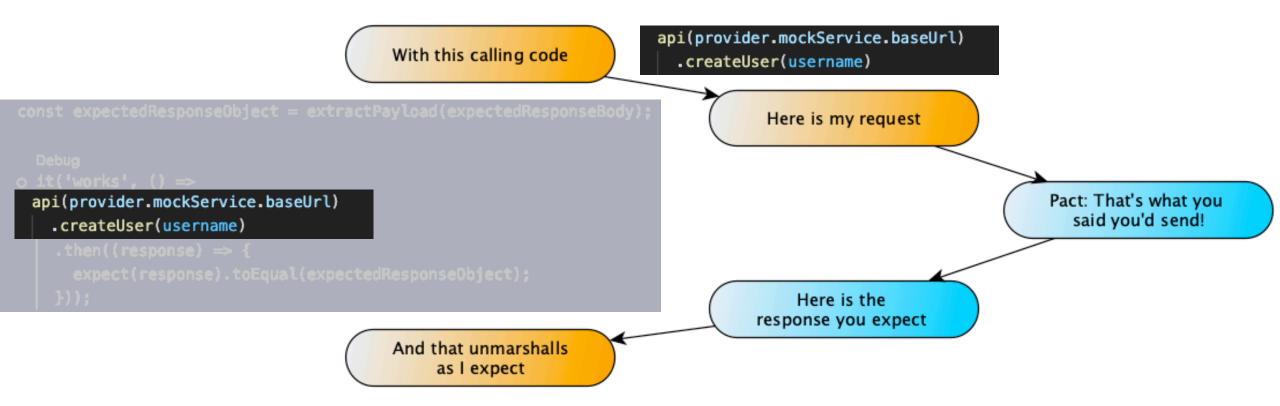
```
provider.addInteraction({
 uponReceiving: 'A request to create the user "Matt"',
 withRequest: {
   method: 'POST',
   path: '/users',
   body: { username },
 },
 state: 'Username Matt is invalid',
 willRespondWith: {
   status: 400,
   body: expectedResponseBody,
 },
})
```

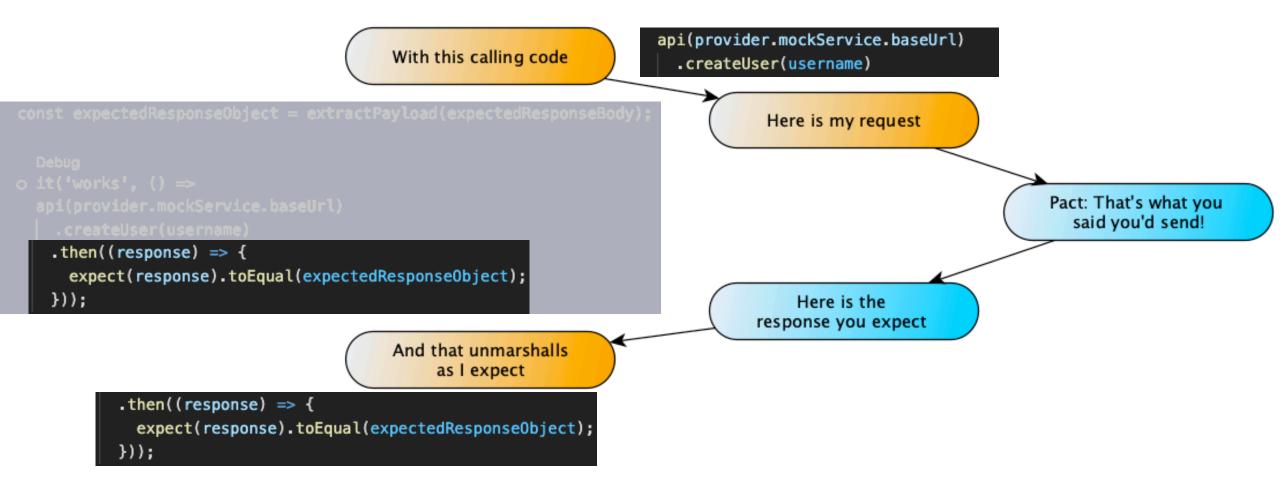
Consumer test: I will generate this request

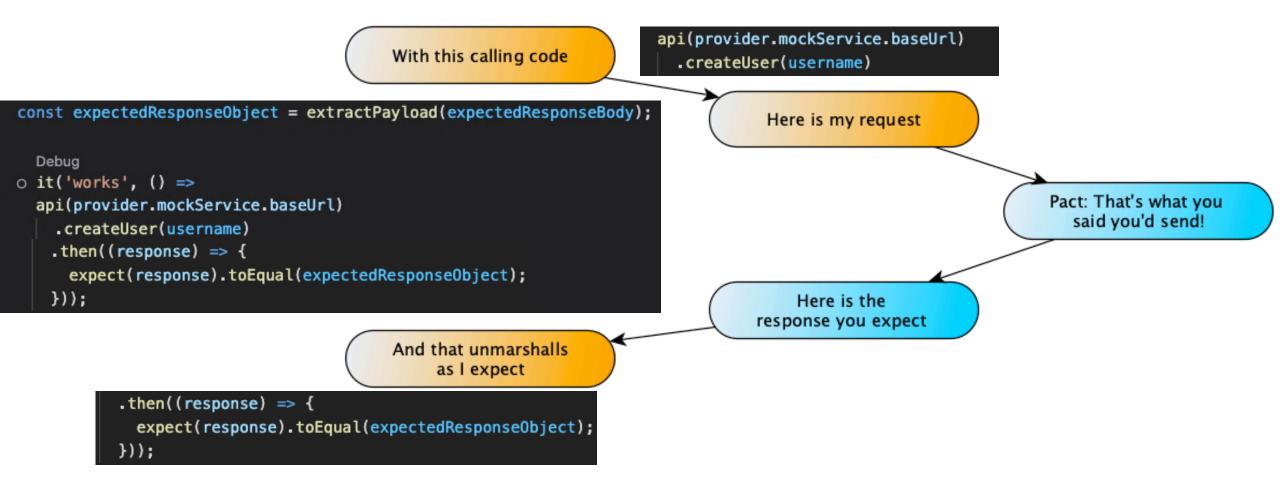
Consumer test: When the provider is in state X

> Consumer test: I expect this response









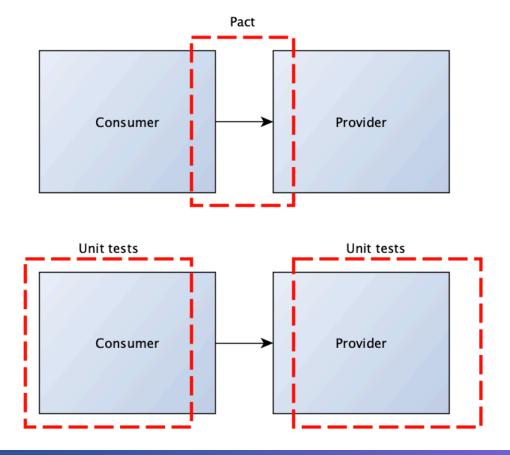
#### const username = 'Matt';

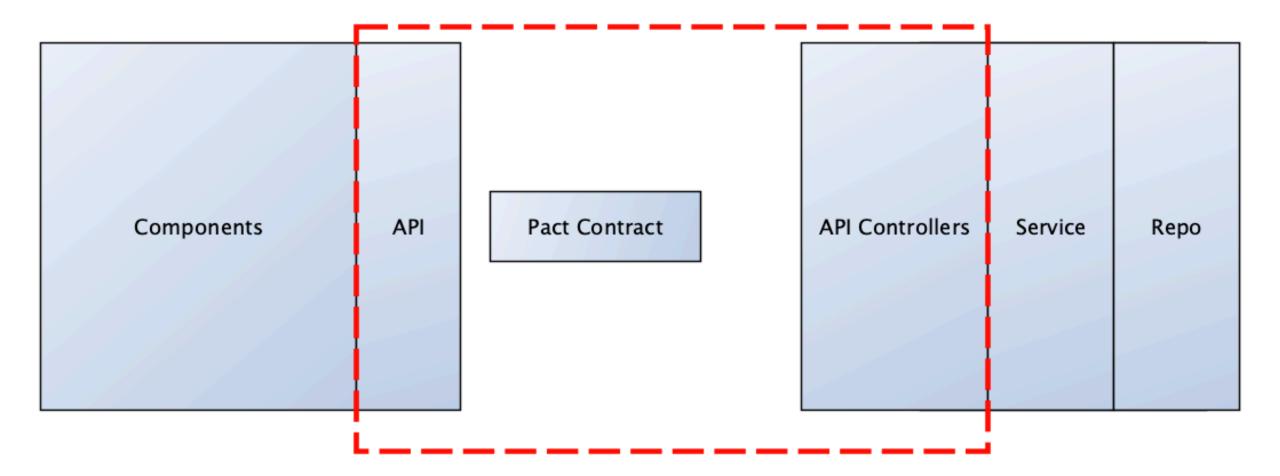
```
const expectedResponseBody = {
    error: like('The username Matt is already taken'),
};
```

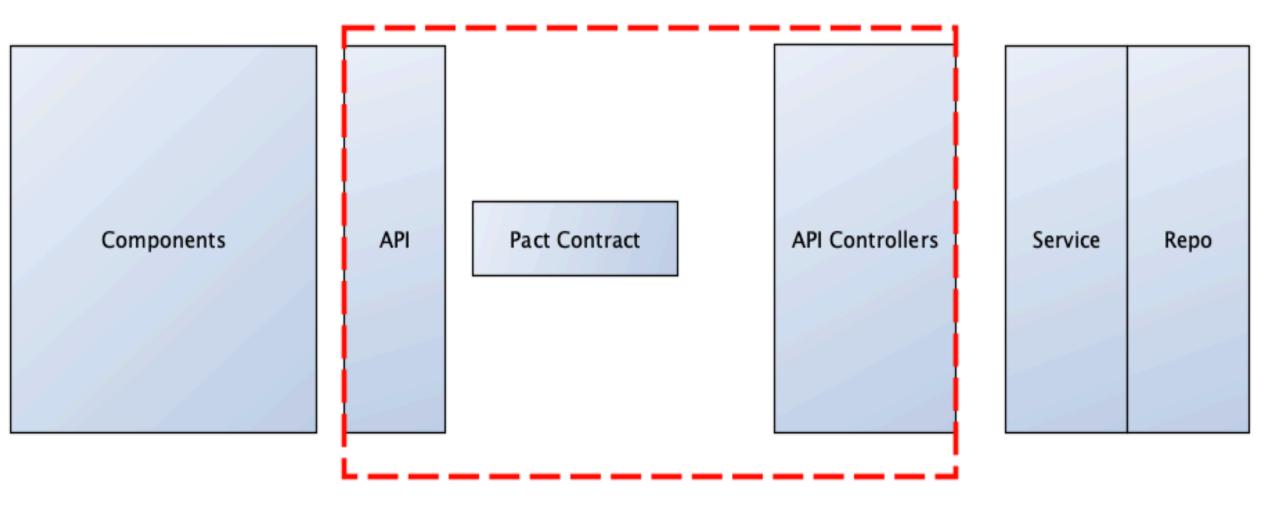
```
beforeEach(() =>
  provider.addInteraction({
    uponReceiving: 'A request to create the user "Matt"',
    withRequest: {
      method: 'POST',
      path: '/users',
      body: { username },
    },
    state: 'Username Matt is invalid',
    willRespondWith: {
      status: 400,
      body: expectedResponseBody,
    },
```

#### const expectedResponseObject = extractPayload(expectedResp

```
Debug
o it('works', () =>
api(provider.mockService.baseUrl)
.createUser(username)
.then((response) => {
    expect(response).toEqual(expectedResponseObject);
    }));
```

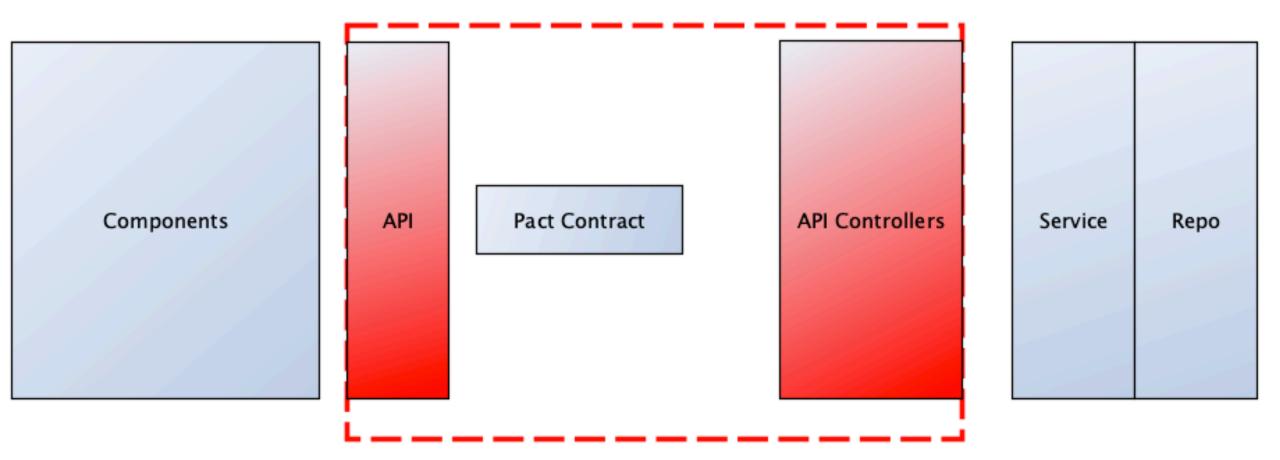


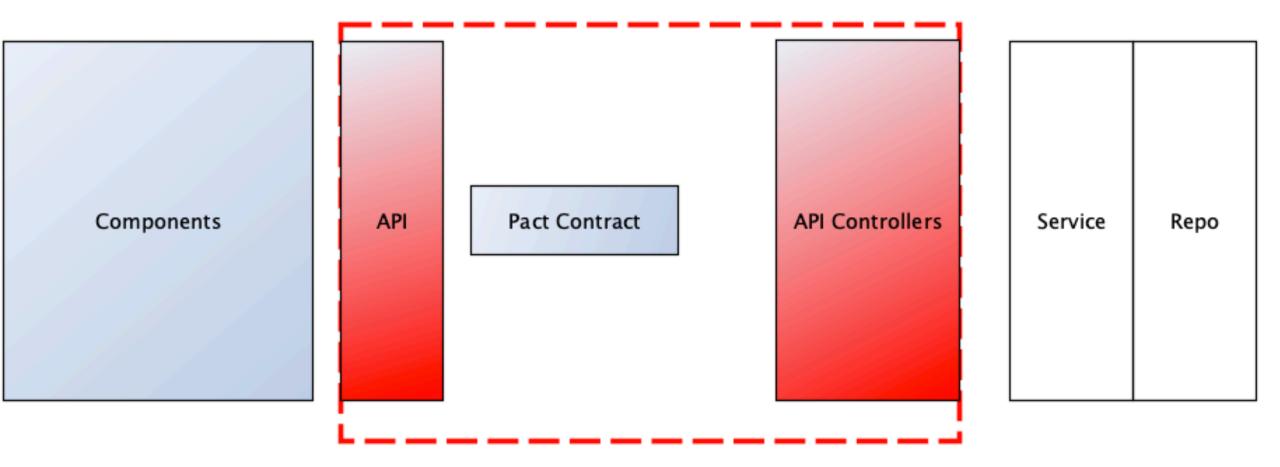


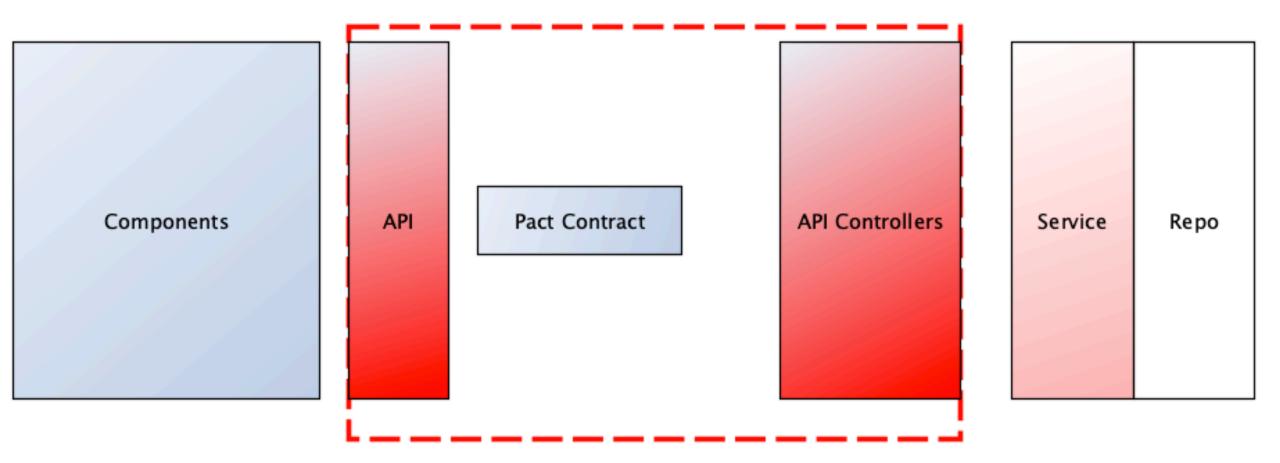


#### So: Contract tests are not functional tests

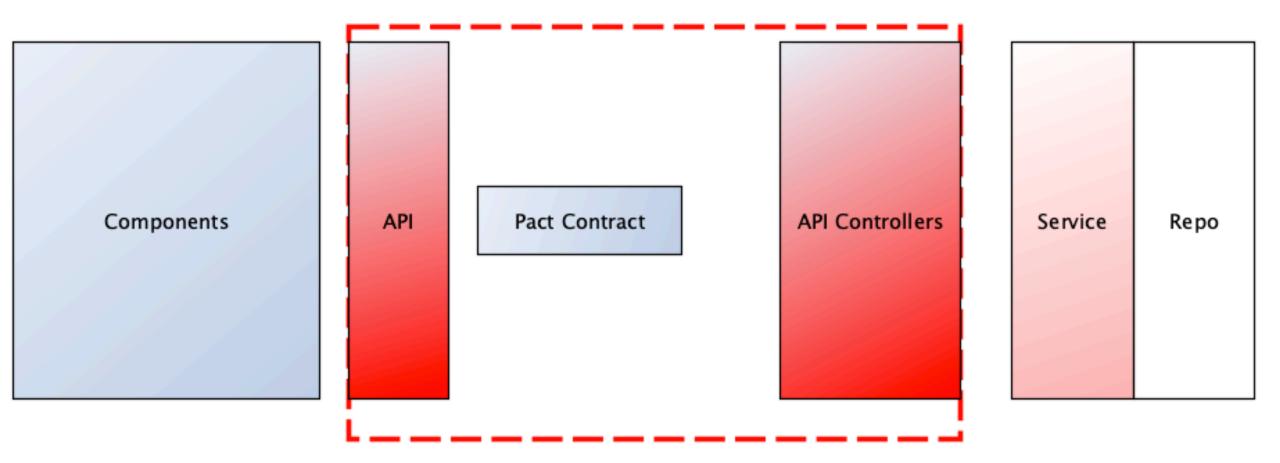
## But: It is good if they have functional coverage







Test quality: Connecting the tests and mocks with fixtures



address.pact.fixtures.js

```
export const createUserResponseBody = {
   error: like('The username Matt is already taken'),
};
```

export const createUserFailure = extractPayload(createUserResponseBody);

address.pact.fixtures.js

# export const createUserResponseBody = { error: like('The username Matt is already taken'), };

#### export const createUserFailure = extractPayload(createUserResponseBody);

address.spec.pact.js



address.pact.fixtures.js

# export const createUserResponseBody = { error: like('The username Matt is already taken'), };

#### export const createUserFailure = extractPayload(createUserResponseBody);

<wherever you need a mock>.spec.js

```
export const mockApi = {
    createUser: jest.fn().mockResolvedValue(createUserFailure),
};
```

```
const createUserResponseBody = {
  error: like('The username Matt is already taken'),
};
export const pactResponses = {
  createUserFailure: {
    willRespondWith: {
      status: 400,
      body: createUserResponseBody,
    },
  },
export const createUserFailure = extractPayload(createUserResponseBody);
```

```
beforeEach(() =>
  provider.addInteraction({
    uponReceiving: 'A request to create the user "Matt"',
    withRequest: {
      method: 'POST',
      path: '/users',
      body: { username },
    },
    state: 'Username Matt is invalid',
    ...pactResponses.createUserFailure,
  })
```

```
const requestToCreateUserMatt = {
  uponReceiving: 'A request to create the user "Matt"',
  withRequest: {
    method: 'POST',
    path: '/users',
    body: { username },
    },
}:
```

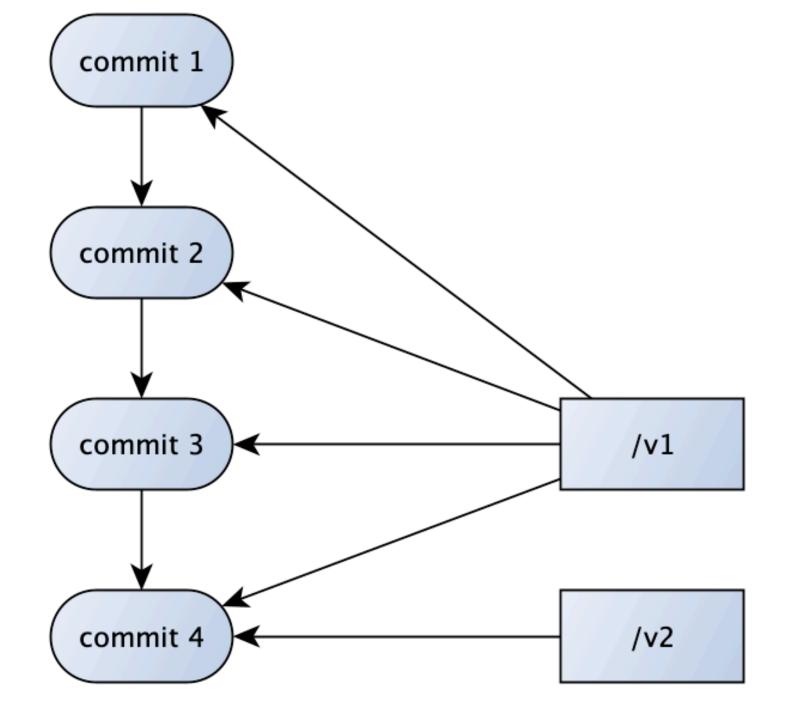
```
const requestToCreateUserMatt = {
  uponReceiving: 'A request to create the user "Matt"',
  withRequest: {
    method: 'POST',
    path: '/users',
    body: { username },
    },
};
```

```
beforeEach(() =>
```

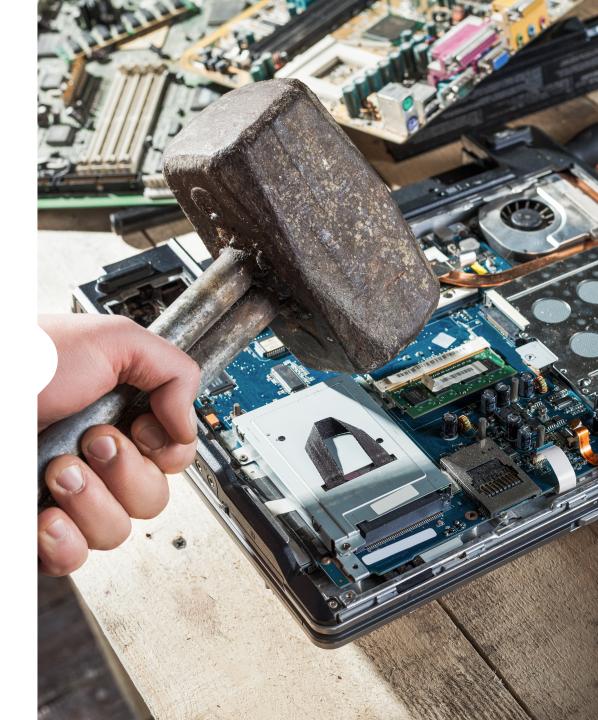
```
provider.addInteraction({
    ...requestToCreateUserMatt,
    state: 'Username Matt is invalid',
    ...pactResponses.createUserFailure,
})
```

#### Contentious claim:

## I suspect URLs like /v1 are antipatterns



# What is a breaking change?

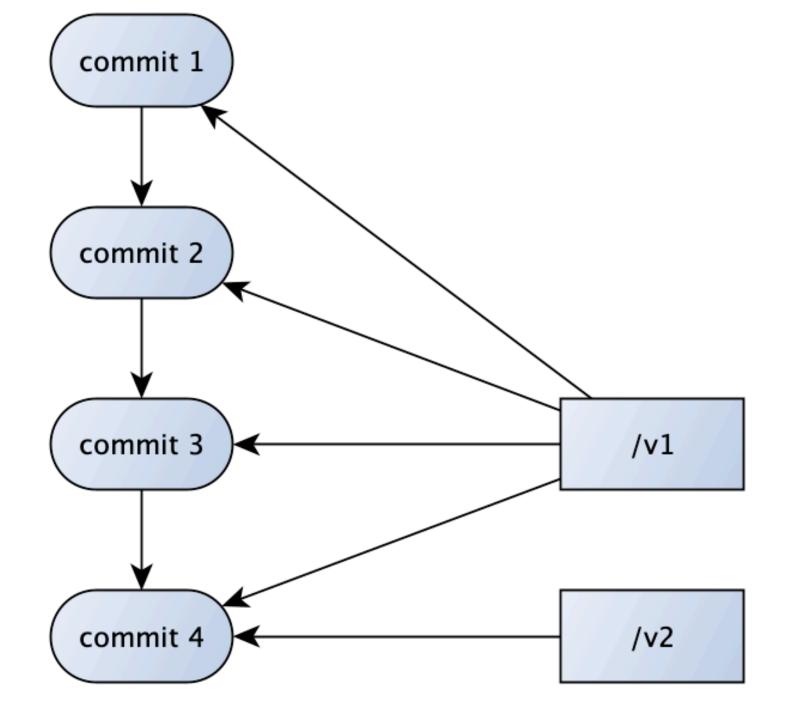


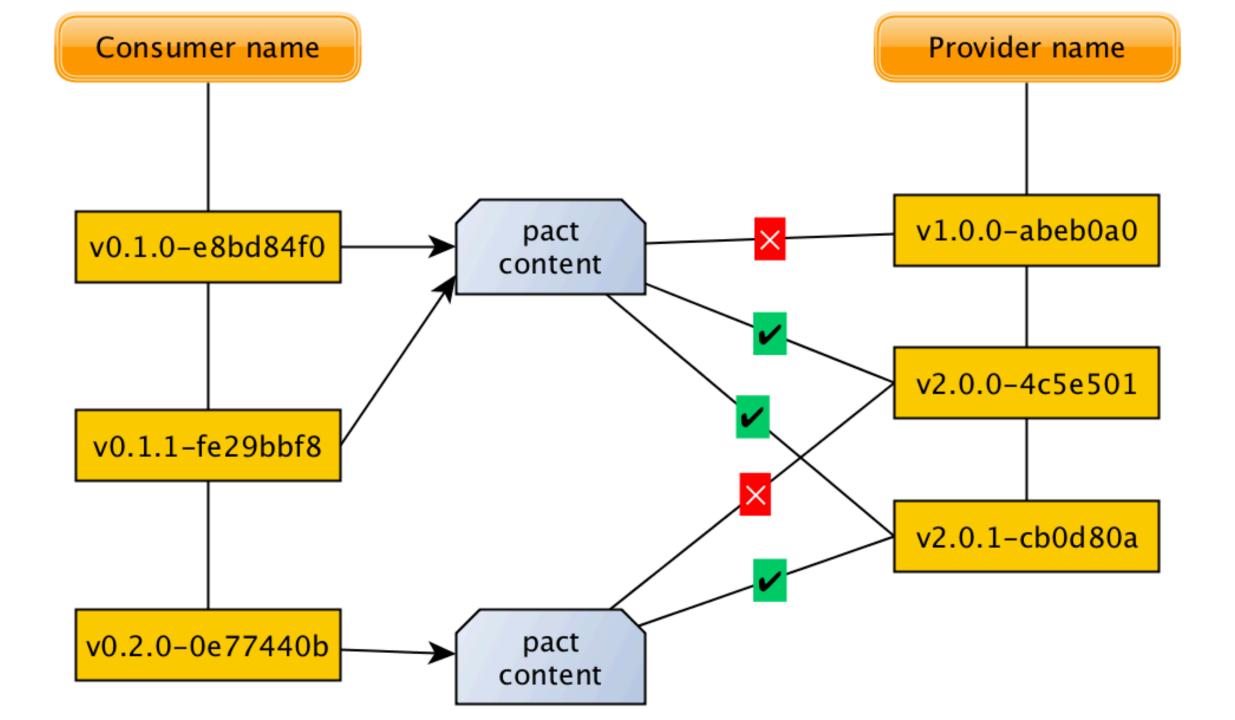
#### "error": "Username is not allowed to have capital letters"

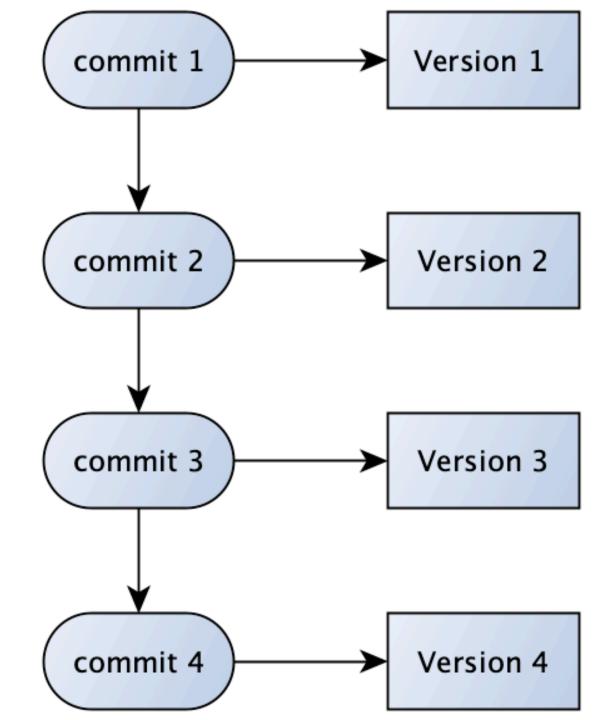
{

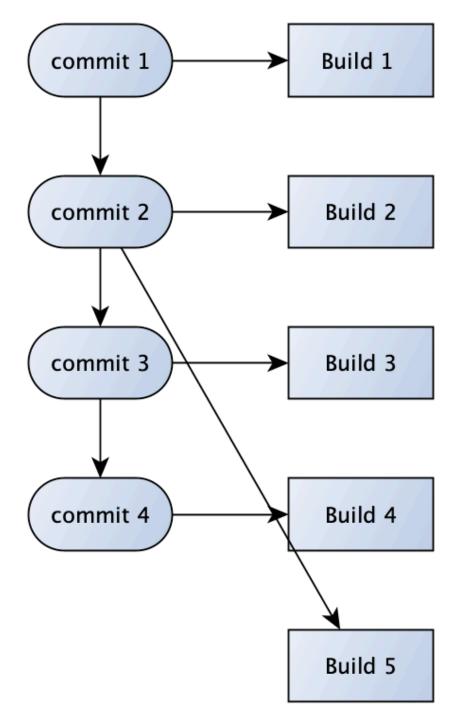
}

```
{
   "error": "Username is not allowed to have capital letters",
   "code": "BAD_REQUEST",
   "context": {
      "file": "UserService.java",
      "line": "34"
   }
}
```









```
<version core> ::= <major> "." <minor> "." <patch>
```

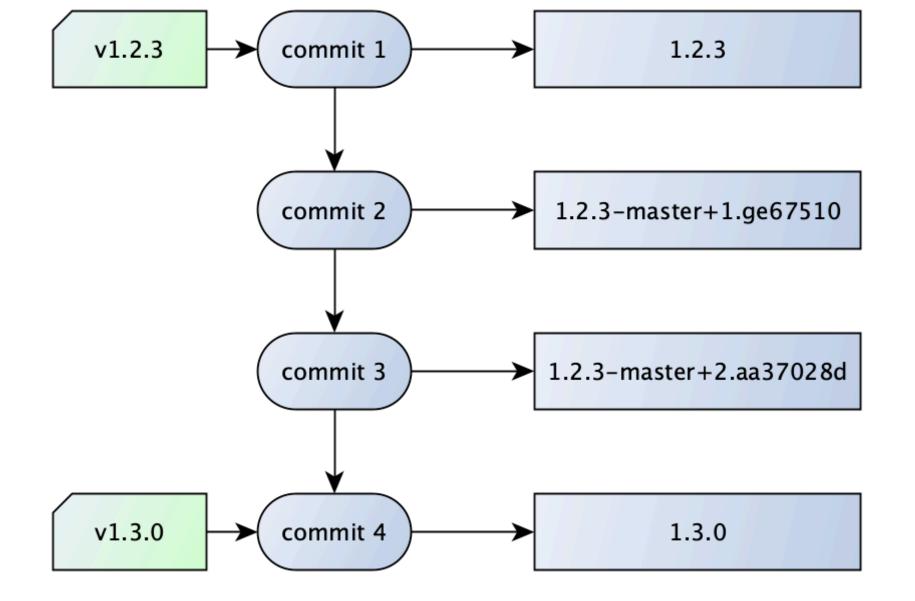
## Contentious claim: I suspect URLs like /v1 are antipatterns

## Solution: Nice versions from git history

<pre-release> ::= <dot-separated pre-release identifiers>

<br/>
<build> ::= <dot-separated build identifiers>

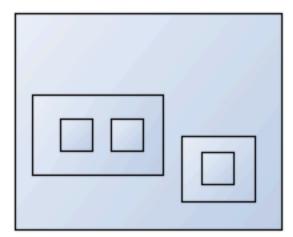
```
<pre-release identifier> ::= <alphanumeric identifier>
| <numeric identifier>
```

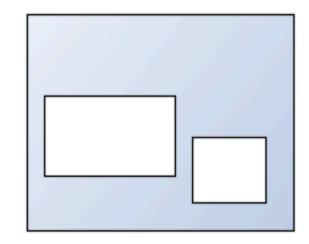


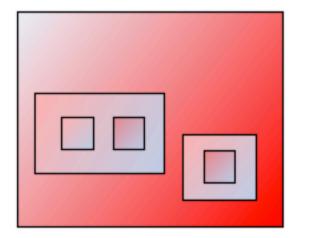
1.3.0+SNAPSHOT.Timothys-MBP

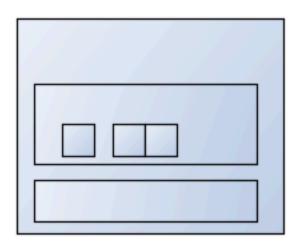
All tests are actually contract tests

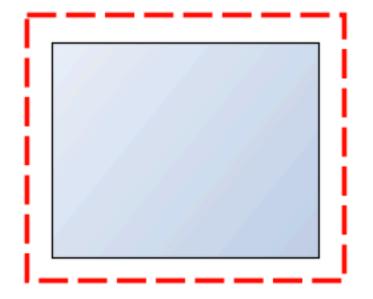












#### What would I like to ask the maintainers for?

## Easier config

## Better errors from Pact-js

Integrated versioning

Contract tests aren't functional tests, but it's ok if they have some functional coverage

Fixtures can tie your api layer mocks to your api tests

Version consumers and providers from source code

All tests are actually contract tests



#### What would you like to ask the maintainers for?

# What patterns do you use that others might find helpful?