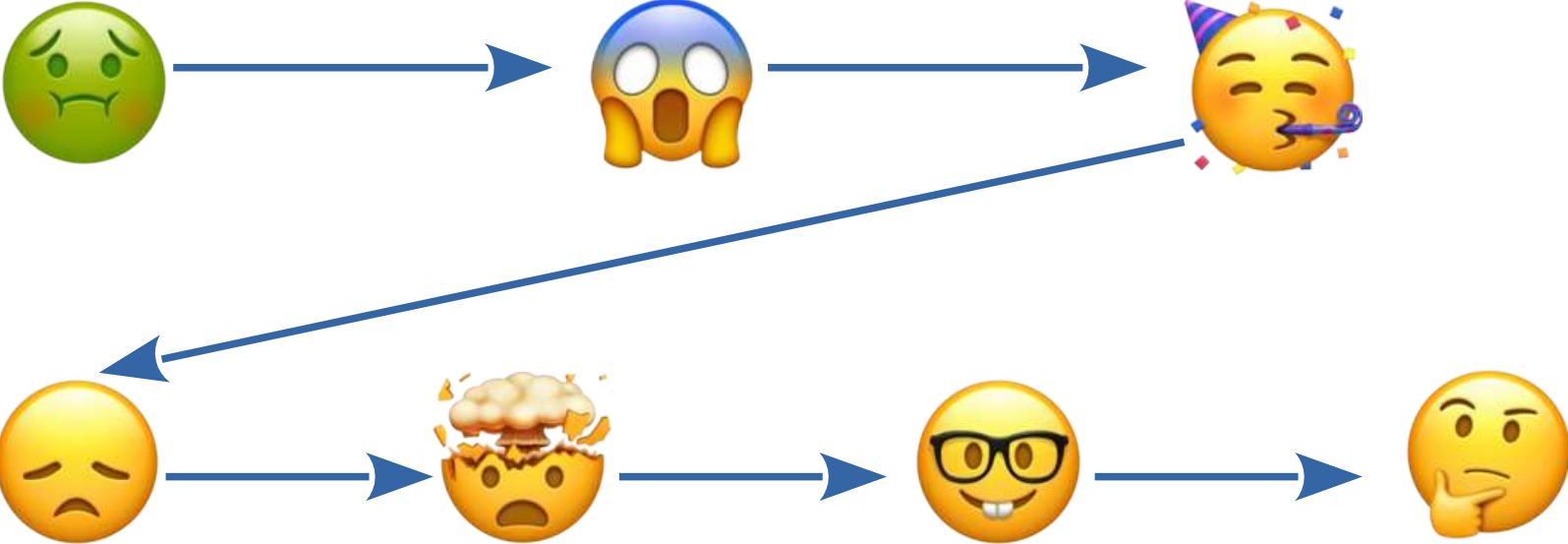


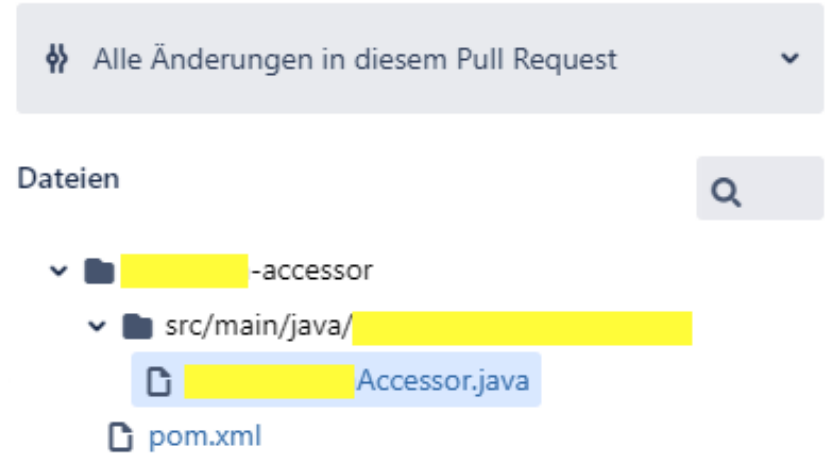
Refactoring can be hard



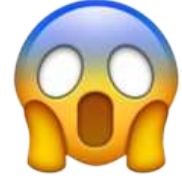
The smell



- Build was green before
- Just productive code change in Pull Request
- No new/ changed test
- Build was still green



Looking closer



```
@VisibleForTesting
protected WebTarget createTarget() {
    return ClientBuilder.newBuilder()
        .register(LoggingFilter.class)
        .register(new AuthorizationFilter(config))
        .register(MdnUploadDocumentMessageBodyWriter.class)
}

// Tamponen Self-signed Zertifikate abzentieren, hier zusammen mit M...
```

35	38
36	39
37	40
38	41
39	42
40	43
41	44
42	45
43	46

```
@VisibleForTesting
protected WebTarget createTarget() {
    return ClientBuilder.newBuilder()
        .register(LoggingFilter.class)
        .register(new AuthorizationFilter(config))
        .register(
            MessageBodyWriter.class)
        .register(createJacksonObjectMapper())
}
```

- Change in @VisibleForTesting method
- Change in abstract class
 - but just needed in one implementation

Quick win



- Implement missing test
- Refactor

→ Party :-)

No Quick win



- Did not manage to write a simple test without refactoring

→ No Party :-)

Problems



- Infrastructure class
- Test based on JerseyTest
- Not much KnowHow in this kind of tests

Next attempt (to do)



- Divide classes in infrastructure and «domain» parts
- Write tests

Lessons learned



- Smells are really helpful
- (but) can lead to longer discussions
- Refactoring alone is not funny
- Glad, this wasn't a productive error

- Question: Should «infrastructure types» also be wrapped?
 - as for example javax.ws.rs classes?

Thanks

my team to listen to all my questions

Emojis by <https://emojipedia.org>