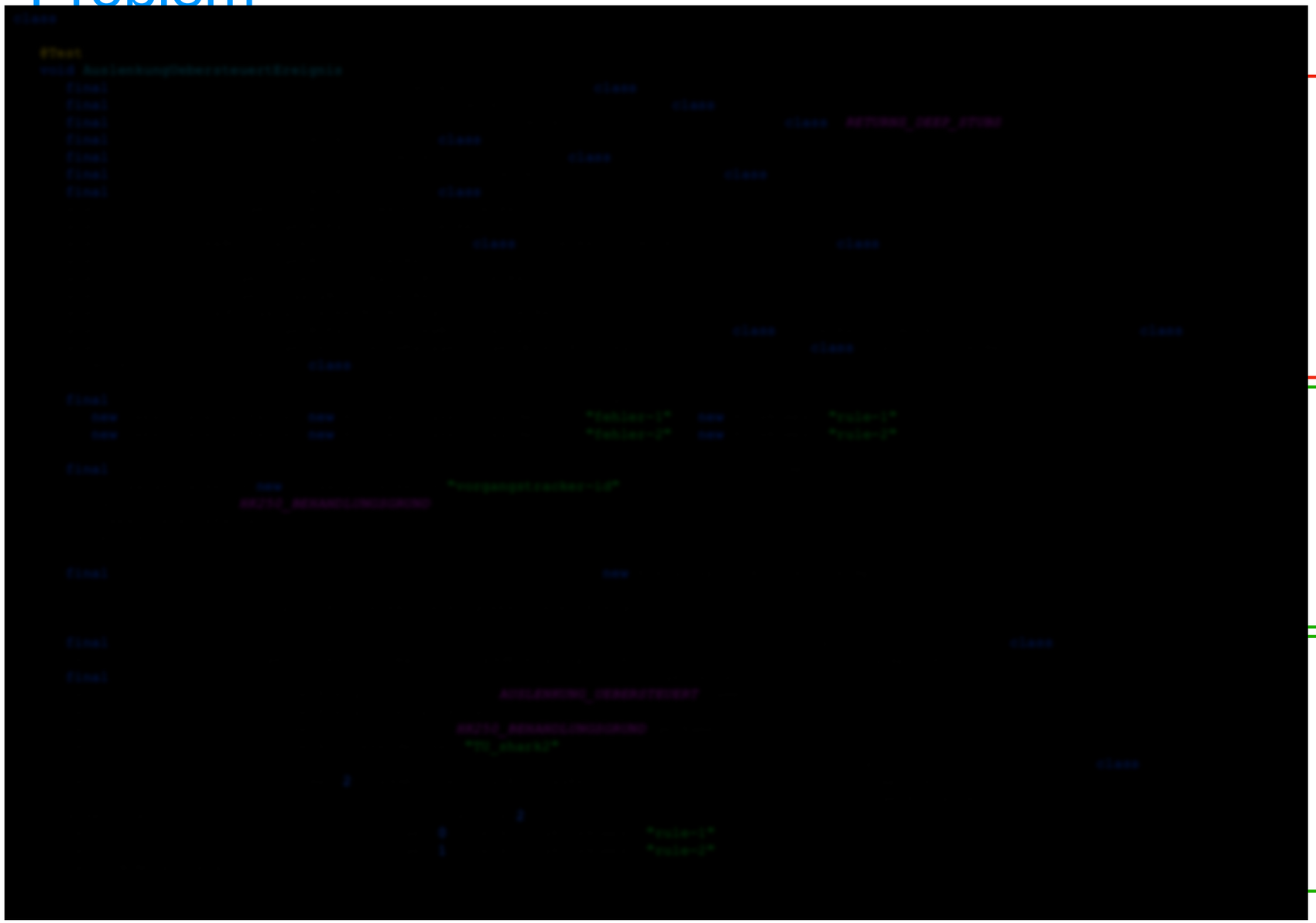
Port me if you can

Using ports & adapters

Jürg Weilenmann, 13.07.2021

Problem



mock hell

Problem

dataproviderContext is our class (but in a different modul)
dataproviderContext provides many functions
has many nested objects
I need just few operations, but on different nested objects
I have to know many internals on how dataproviderContext is used
how can I reduce/simplify the mocking stuff?

treat dataproviderContext as external and use ports/adapters to decouple

Solution

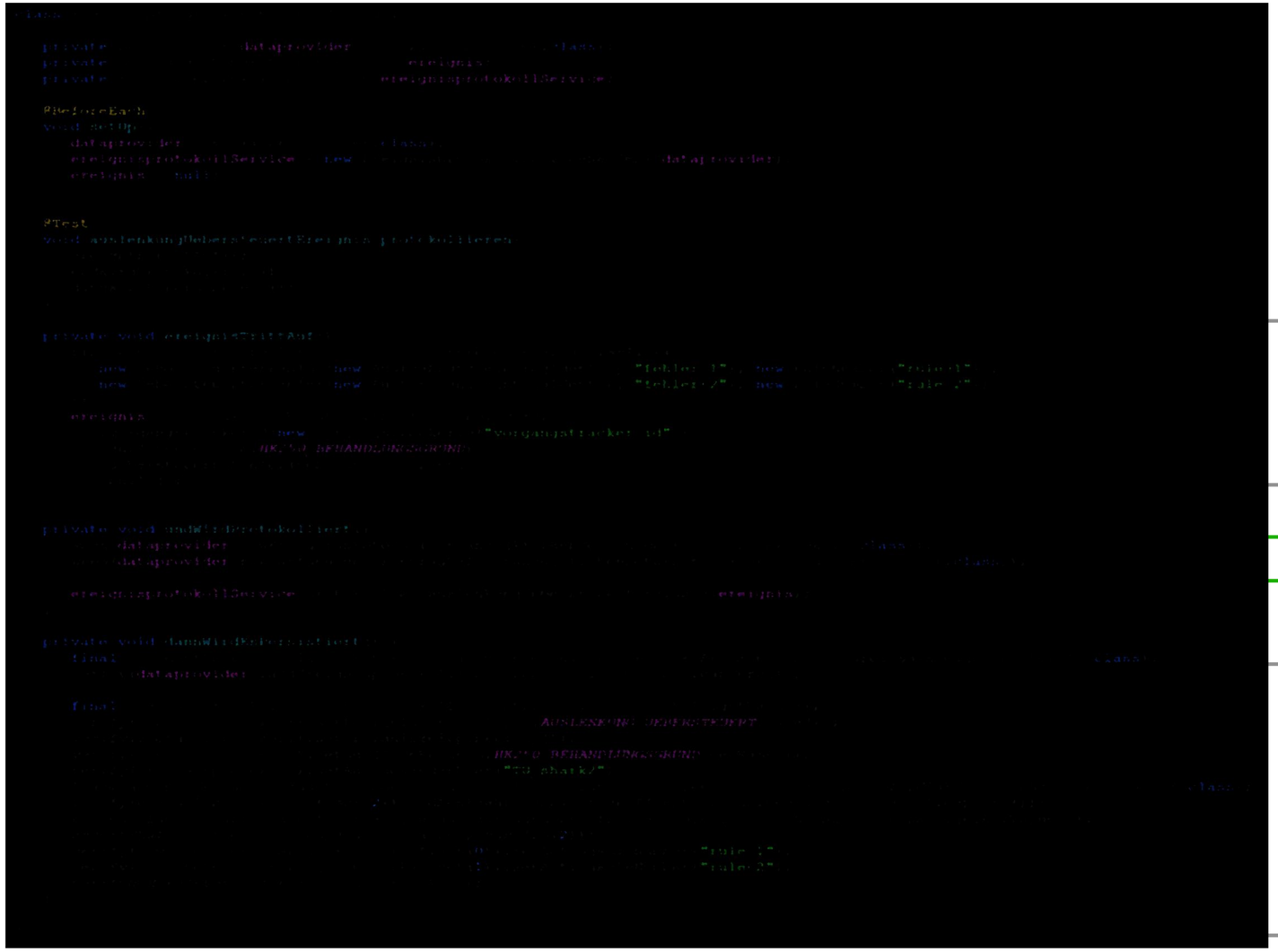
New interface (port) that defines only the operations I need

The implementation (adapter) just takes the original DataproviderContext as a constructor parameter and delegates all methods to it

The EreignisprotokollService gets the new Dataprovider interface injected (instead the old DataproviderContext)

```
dataprovider = mock(Dataprovider.class);
ereignisprotokollService = new EreignisprotokollServiceNewImpl(dataprovider);
```

Solution



mocking hell reduced to these lines

Conclusion

was he

has reduced the complexity in the current implementation
testing was much easier
allowed me to define convenience methods to access legacy code

Merçi for listening

and thank you for this great course

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BeachBar: 18:00 - 20:00