

War and Peace

Nico Lerchl - Java



Java and checked Exceptions

- Forced to catch or throw
- Not pure

```
Unhandled exception type IOException Java(16777384)  
java.nio.file.Paths  
View Problem (Alt+F8) Quick Fix... (Ctrl+.)  
Files.lines(Paths.get(name)); You, 11 seconds ago
```

Try and Either Monad

Either

- left (wrong, undesired) value
- right (correct, wanted) value

Try

- success case, contains value
- failure case, contains exception

Chapters

- Retrieved using Regex
- Regex gets fed with entire text in a single line

Classification

- Count war and peace term occurrences
- $\text{count}(x) > \text{count}(y) \Rightarrow x \text{ chapter}$
- $\text{count}(x) = \text{count}(y)$ not a case in peace and war
- Not accounting term spread, etc.