PET PROJECT

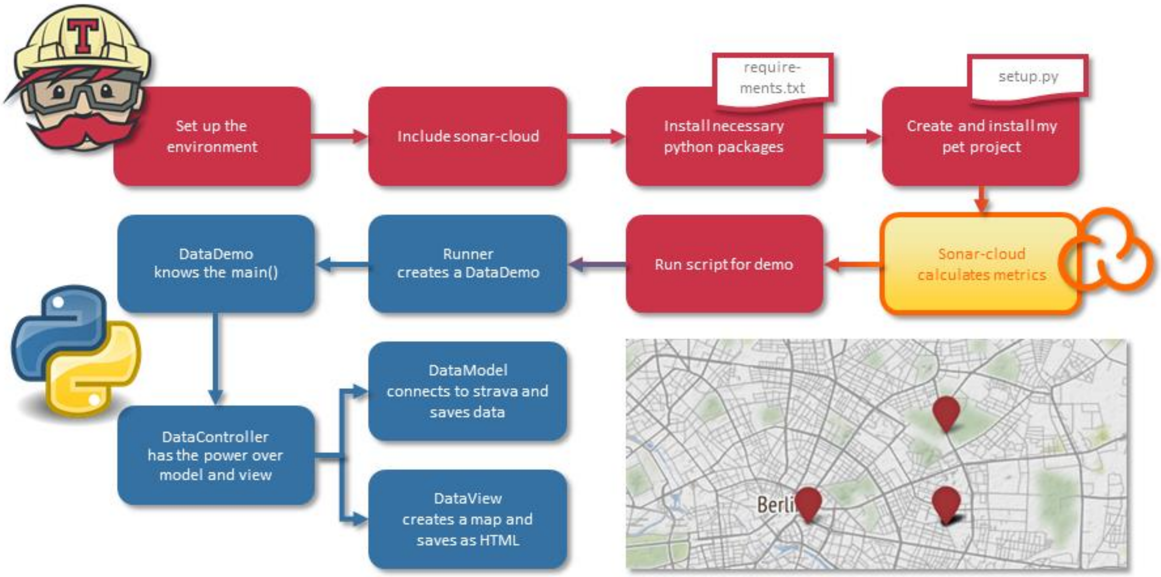
ADVANCED SOFTWARE ENGINEERING

OVERVIEW

All parts of the task are available on github: https://github.com/kwbln/AdvSE.

You can find a short description about the project in the readme, more detailed information are placed in the wiki: https://github.com/kwbln/AdvSE/wiki

The Pet Project itself covers the expected topics (except the DSL and the FP), but there are still some issues to think about, if the project should be extended in future.

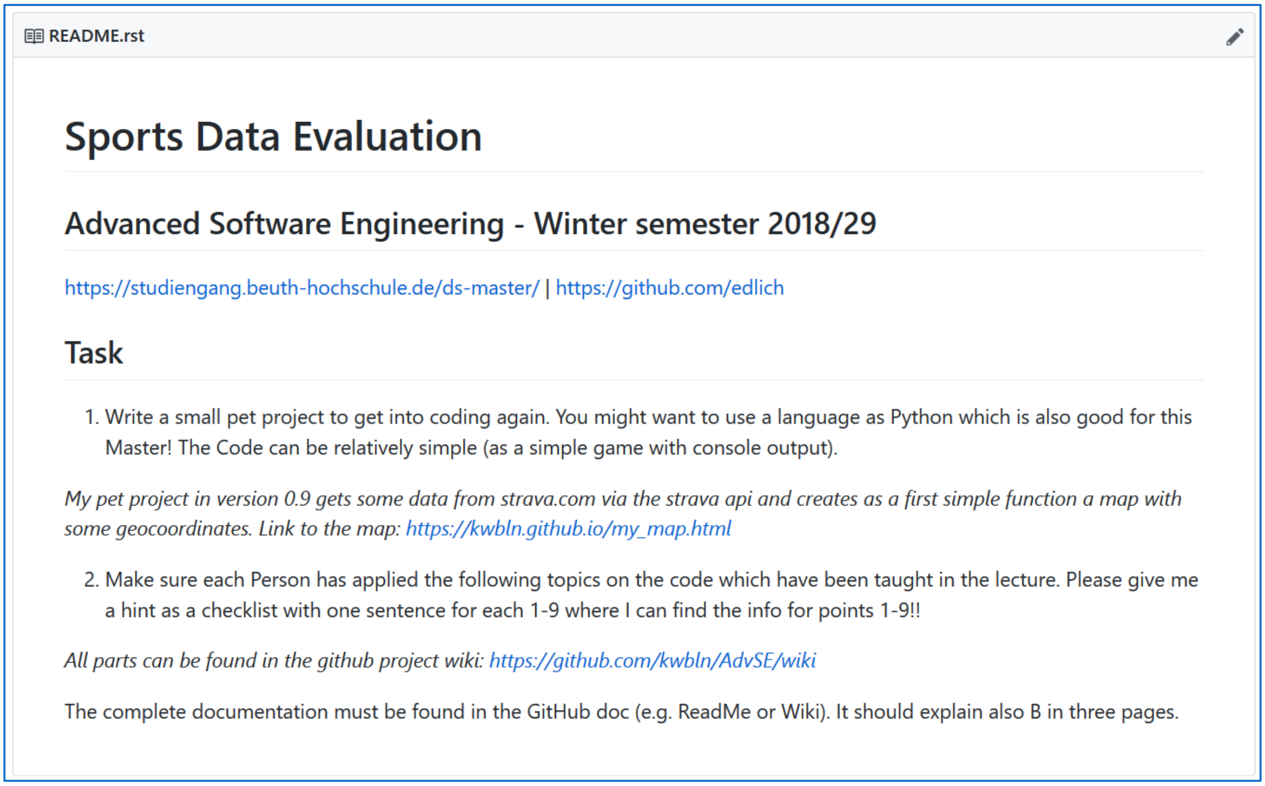

Set up the environment
Include sonar-cloud
require-ments.txt
Install necessary python packages
setup.py
Create and install my pet project
Sonar-cloud calculates metrics
Run script for demo
Runner creates a DataDemo
DataDemo knows the main()
DataController has the power over model and view
DataModel connects to strava and saves data
DataView creates a map and saves as HTML
Berli

- UML: https://github.com/kwbln/AdvSE/wiki/Unified-Modeling-Language
- Metrics: https://github.com/kwbln/AdvSE/wiki/Metrics
- Clean Code Development: https://github.com/kwbln/AdvSE/wiki/Clean-Code-Development
- Build Management: https://github.com/kwbln/AdvSE/wiki/Build-Management
- Continous Delivery: https://github.com/kwbln/AdvSE/wiki/Continous-Delivery
- DSL: https://github.com/kwbln/AdvSE/wiki/Domain-Specific-Language
- Functional Programming: https://github.com/kwbln/AdvSE/wiki/Functional-Programming
- No longer expected in pet project
  - [DELETED] AOP (show me where you could have integrated AOP stuff => the jointpoints)
  - [DELETED] Show me an idea where to use a logical solver in your code and how you would do it!
  - [DELETED] Write a little code fragment (like data preparation etc.) in Scala or Clojure!

ISSUES TO THINK ABOUT

- Security / privacy: what about my strava authentification data?
- Uninstall the package after testing the pet project to clean up the environment

DOCUMENTATION SCREENSHOTS



README.rst

Sports Data Evaluation

Advanced Software Engineering - Winter semester 2018/29

https://studiengang.beuth-hochschule.de/ds-master/ | https://github.com/edlich

Task

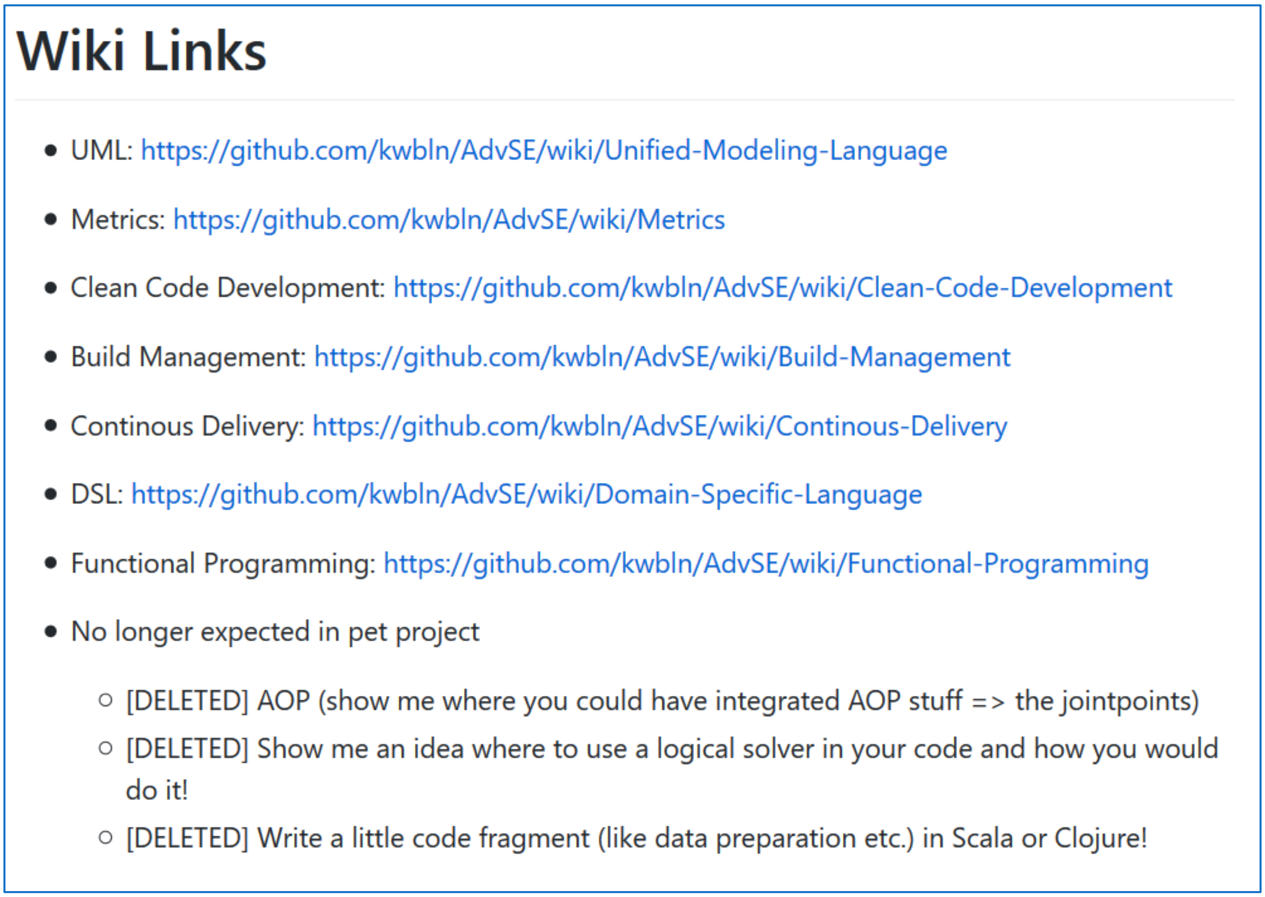
1. Write a small pet project to get into coding again. You might want to use a language as Python which is also good for this Master! The Code can be relatively simple (as a simple game with console output).

My pet project in version 0.9 gets some data from strava.com via the strava api and creates as a first simple function a map with some geocoordinates. Link to the map: https://kwbln.github.io/my_map.html

2. Make sure each Person has applied the following topics on the code which have been taught in the lecture. Please give me a hint as a checklist with one sentence for each 1-9 where I can find the info for points 1-9!!

All parts can be found in the github project wiki: https://github.com/kwbln/AdvSE/wiki

The complete documentation must be found in the GitHub doc (e.g. ReadMe or Wiki). It should explain also B in three pages.



Wiki Links

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