

SRS

[Project Name and/or ID]

[Document Version]

Created: 23/04/2020

Problem:

[Problem description in natural and simple to understand language]

Solution:

[Solution description. Level of complexity to be decided at own discretion]

Algorithmic Abstraction:

1. Consume relevant data via [...] API
2. Sort and combine consumed data
3. Export in business relevant format

Deliverables:

1. A command line tool with simple-to-follow instructions.
2. End-User Documentation
3. Developer Wiki/Documentation
4. Postmortem Report

Details of Implementation:

Programming Languages:

Paradigms:

Design Patterns:

Frameworks/Libraries:

Rough Time Estimate:

From requirements gathering, prototype development, extensive testing, documentation (developer docs, installation manual, end-user manual) to the integration into existing, internal company workflows, I estimate a maximum time expenditure of ~35 hours (including risk buffer).

Simplified Class Diagram

*not standard UML

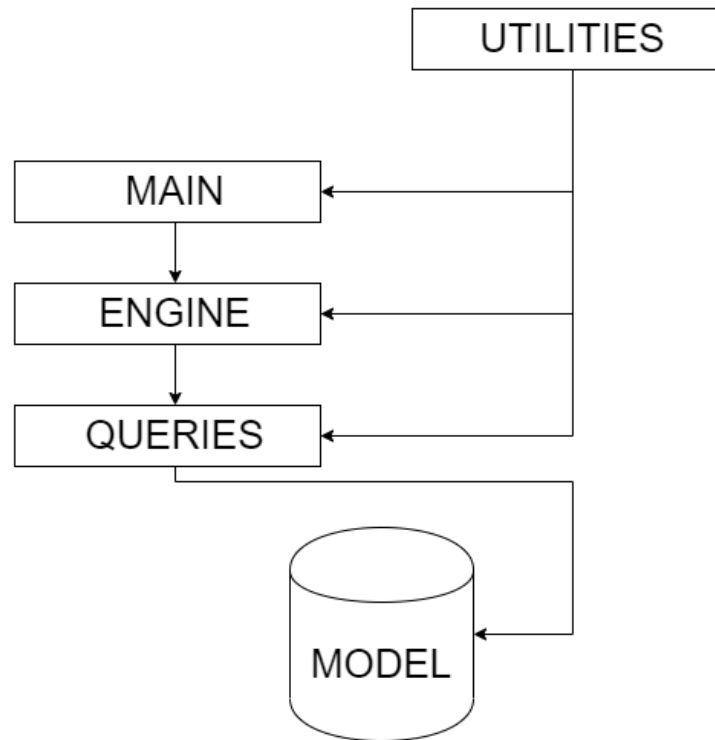
Info

Main is the CLI portion

Engine is the API to the queries.

Query objects get passed through to the engine.

The model holds all data that Queries needs.



Init

For starters the app only holds Engine, Queries and Data. Engine should in the final stages hold appropriate API endpoints which can be extended and branched off of. (Implement auxiliary functions which will not be needed by the CLI directly)