
wb_genedescriptions Documentation

Release 0.1

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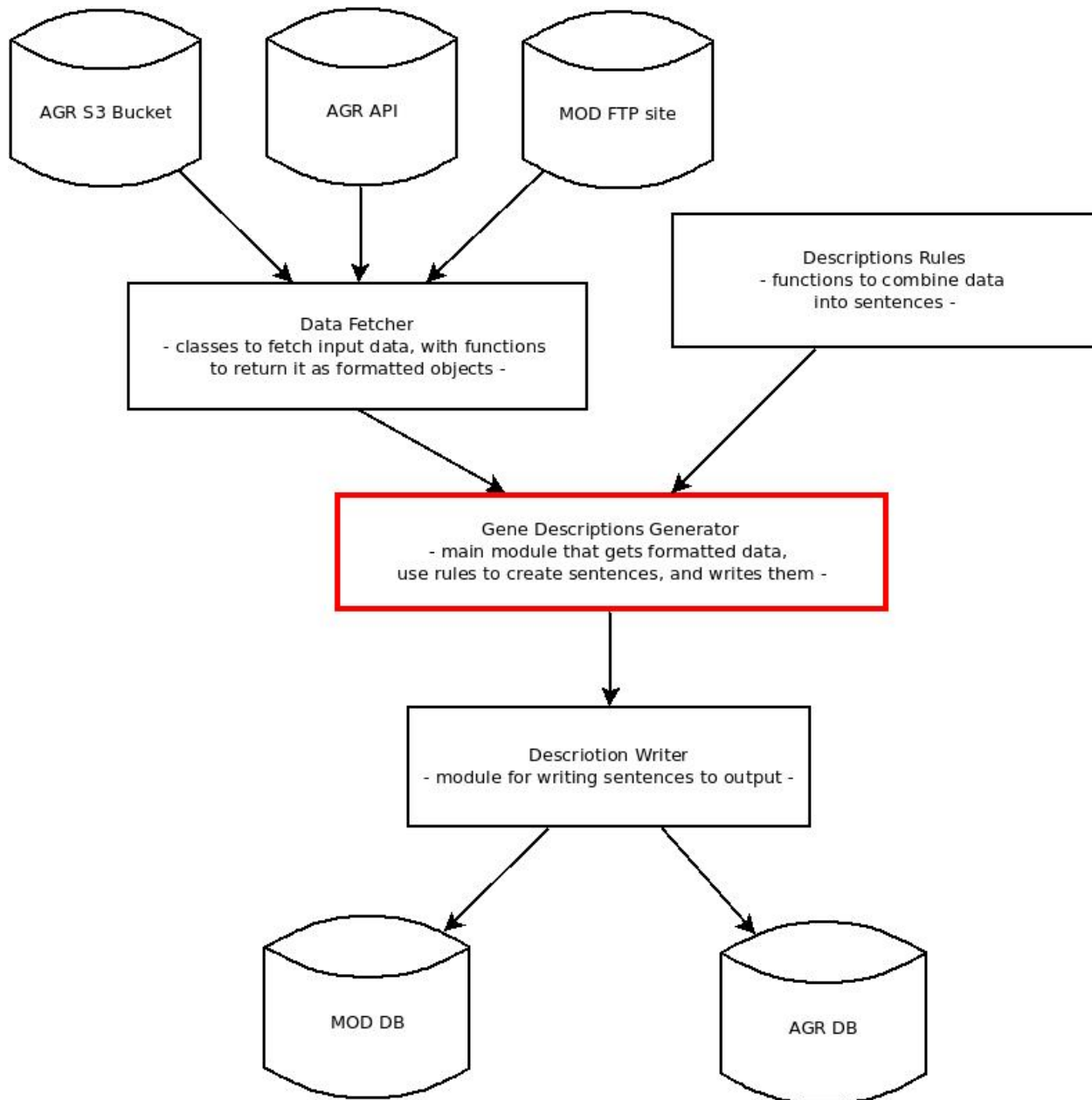
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This program generates gene descriptions for [AGR](#) and other Model Organism Databases (e.g., [WormBase](#)).

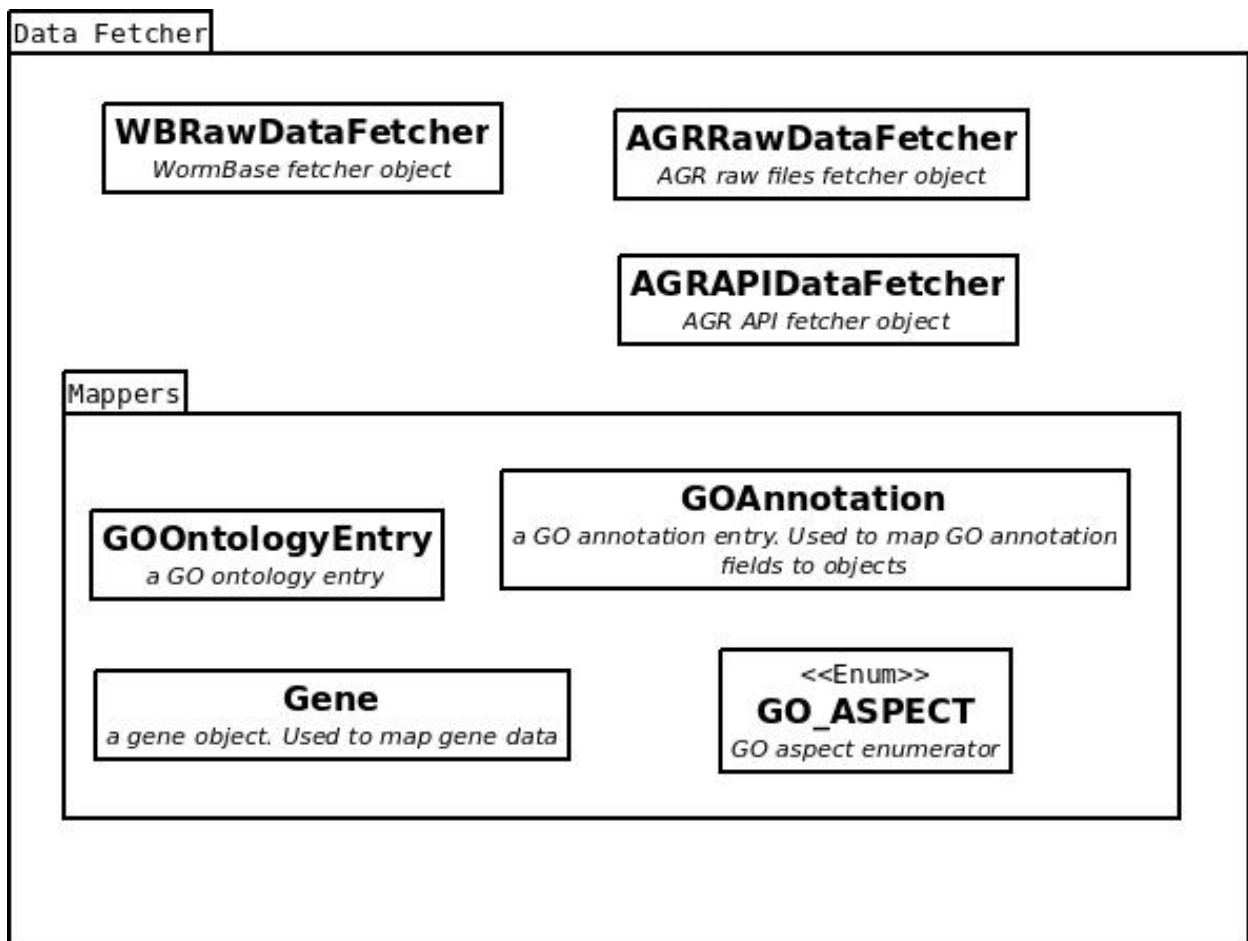
The main program of the project, `generate_descriptions.py`, combines the functions of three sub-modules to get the raw data from WormBase and generate the gene descriptions. The following diagram shows the high level flow of the project.



Each rectangle in the diagram corresponds to a sub-module, documented in the following.

CHAPTER 1

data_fetcher module



CHAPTER 2

descriptions_rules module

Descriptions Rules

Mappers

<<Enum>>
EVIDENCE_GROUP
groups of evidence codes

<<HashMap>>
GO_HEADER_SENTENCES_MAP
(GO_ASPECT, EVIDENCE_GROUP) -> string

<<HashMap>>
EVIDENCE_GROUPS_MAP
EVIDENCE_CODE -> EVIDENCE_GROUP

GOSentence
representation of a GO sentence

GOSentenceCollection
a collection of GO sentences indexed by GO aspect

CHAPTER 3

generate_descriptions module

This is the main script and it can be run by the user to generate the descriptions.

CHAPTER 4

Indices and tables

- `genindex`
- `modindex`
- `search`