

# Philosophy of Design Document

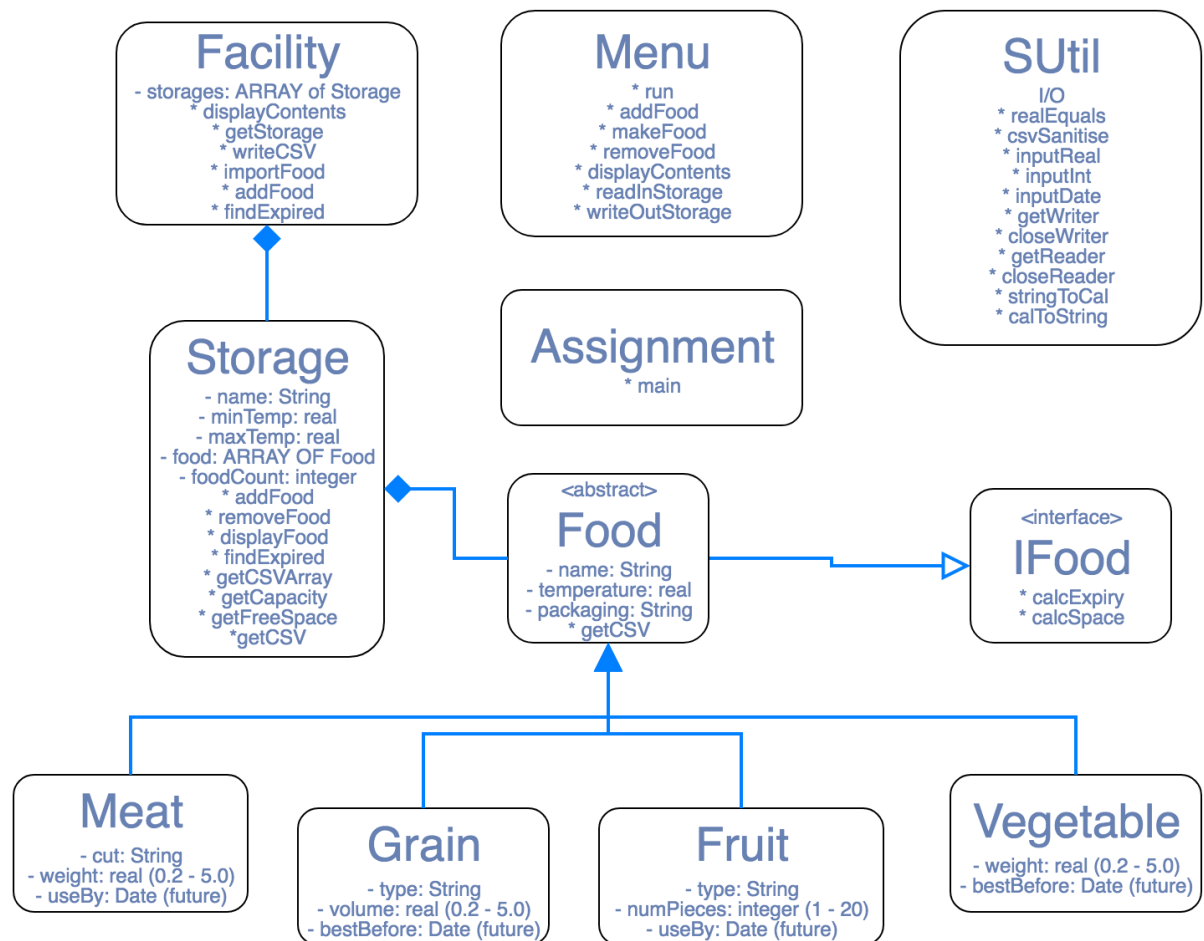
## Semester 1 2018 COMP1001 Assignment

Best before is different to Use by dates, though they will be treated the same at this time.

User input to be validate by SUtil for suitability in storage as .csv files - no commas

Each class must validate and/or sanitise input from set methods

Each get method that returns an Object must return a copy only



Foods will implement the interface per specification.

Storage is a general class to allow for expansion of Storage options, e.g. Eski, Car Boot, etc

Facility holds an array of Storages and is a point of interaction with the menu.

Facility will pass storage objects to the menu to do things directly with the menu.

Each food will implement a `getCSV` method as `toString` doesn't fit the requirements to store the food in a csv file.

Facility will have a constructor that accepts a filename to import a file

Each food will have a constructor that accepts a csv line

Exception types may not match appropriately, e.g. `Illegal Argument` vs `Null Pointer`

Regex help and testing: <https://regex101.com/>

SUtil is a Utility Class that handles file IO, User input and format conversion

Calendar.getInstance() returns **now** whereas Calendars constructed from file will have the time component set to 0, resulting in all food with an expiry of today being invalid. This behaviour, while unintended, will not be corrected for.