

On the following page is an altered Subsystem Decomposition UML Diagram for the programs application logic, which better match the necessary logic for the program to function as required by the application domain.

Use of Facades

To reduce the complexity of each subsystem a facade could be used to provide only the exact functionality required for the other subsystems in the logic to work. Having one point of access for each subsystem could make it easier for group members less familiar with a particular subsystem to use its functionality when working on another subsystem. If new functionalities should be exposed from a subsystem this would have to be reflected in the facade as well which makes the structure less flexible than providing access to all components in a subsystem. This is worth noticing but still the advantages achieved through the overview of the facade is arguably bigger than the reduced flexibility.

