Software Architectures
Assignment 5 : Software Visualizations

Arnaud Rosette, Simon Picard

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1 Exercise 1 : Analyzing the web portal application with an existing visualization

1.1 Chosen visualization

As the assignment required, we chose a predefined visualization of Moose. We decided to use the Blueprint complexity visualization because it highlights the complexity of a class, the cohesion inside a class, the coupling between different classes and the class hierarchy. So this visualization is able to show us the application architecture from a close perspective as well as a large perspective.

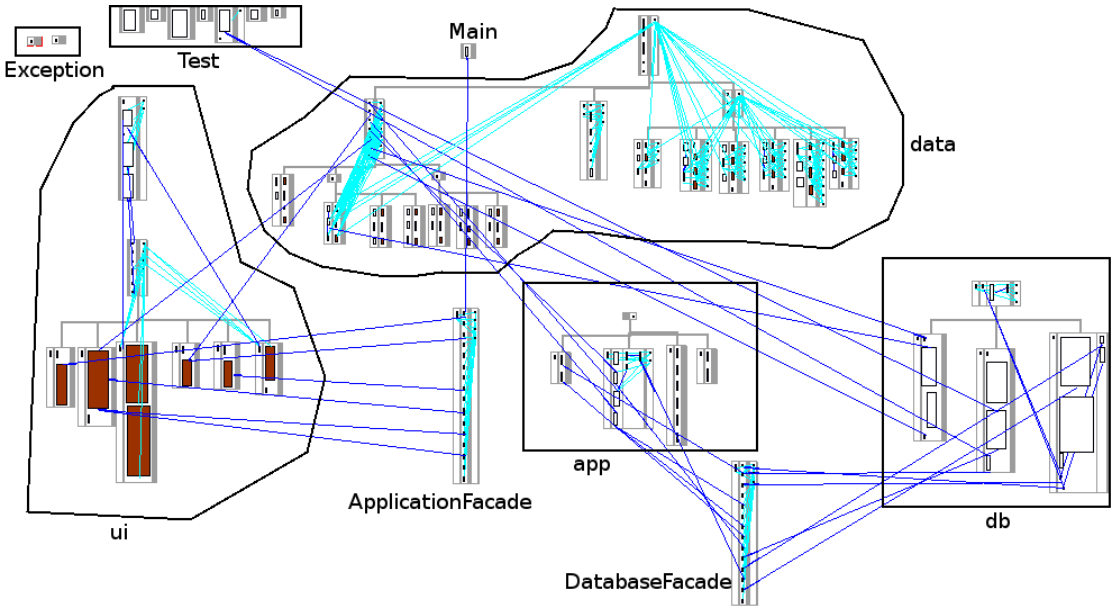

Figure 1: Class hierarchy Blueprint of the web_portal application

1.2 Useless classes

1.3 3-tier architecture

1.4 Cohesion

1.5 Coupling

2 Exercise 2 : Building your own visualization with Mondrian