

SWEN30006 Software Modelling and Design

Workshop 5: Fundamental Design Patterns (2) – Partial Solution

School of Computing and Information Systems
University of Melbourne
Semester 2, 2019

Exercise 1

By this stage you should be getting your UML diagram notation correct. Some relevant sections of the textbook: Chapter 9 Domain Models – especially 9.5 Guideline: How to find Conceptual Classes; and 9.14 Associations

Exercise 2

This is like a follow on from Workshop 4. Some relevant sections of the textbook:

- Chapter 17 GRASP: Designing Objects with Responsibilities (esp.)
- Chapter 19 Designing for Visibility
- Chapter 25 GRASP: More Objects with Responsibilities

Your design model will vary according to your interpretation of the requirements and the domain model you produce, and you should refine your design model after dynamic modelling. The diagram that follows is an indicative result after that refinement.

Example sequence diagram: note that your sequence diagram will likely look different given your domain models and static design model.





