CITS4401 Software Requirements and Design
Semester 1, 2020

Workshop week 8 – Assessment FAQs

Do we need to include "relation to other patterns" in our pattern description?

No – for most hobbies (unless building architecture is your hobby), probably no-one has ever written a pattern for it, so there are no "other patterns".

Do we need to include a diagram?

Only if it will help a reader understand your pattern (or anti-pattern). A diagram might be useful for things like:

- ballroom dancing
- chess or go
- dry-stone wall construction

if those are your hobbies, but less useful, for, say, choral singing (which is one of my hobbies).

Do we need to include an "implementation"?

Only if that can easily be included in a PDF. Areas where you probably *can't* include an "implementation" include:

- cooking (PDFs can't include food as an attachment)
- sports
- novel-writing (since novels are normally well over the page limit for this assessment).

Areas where you might be able to include an implementation:

- crafting platinum-award-winning song melodies
- strategies for making millions in bitcoin

In fact, I would very pleased if you submitted an implementation.

Do we need to mention facade, or bridge, or adapter?

No – those are *software* patterns. Here, we're after a pattern from something that *isn't* software.

I don't have any hobbies.

I'm sorry. Perhaps you could make something up.

What are "forces"? I don't understand them.

You can also think of them as *criteria* by which we judge things as good or bad, or goals or properties we might want to strive for. Sometimes, different forces might be in conflict. For instance, *modularity* (ability to change one part of a system, without affecting others) is something we usually strive for in software, but it typically comes at the cost of *efficiency* (because it introduces new classes and method calls – and those do slow the software down at runtime, even if only a tiny bit).

In cooking, forces might be *good taste* or *ease of preparation* or *impressiveness*. And these too might be partially in conflict – dishes that are easy to prepare might look less impressive when made for guests.

What about "motivation"?

This is actually (usually) a very short (one or two sentences) description of a scenario in which you could apply the pattern (or anti-pattern).