Filter Pattern (Criteria pattern)

Idea:

Suppose you have a library, and a client wants to see books about the engineering structures during the Second world war

How to achieve that?

You may think about a linear search through all books but what if this Filtering operation is repetitive according to many and many different criteria.

You will think simply about filtering books according to tags by some filter like Amazon Search results

In our example you can simply filter according to World War II and then filter the new list of books according to engineering

Importance :

Widely used in search in websites like Amazon, Netflix….

When to use:

When you have some set of objects, and you need to filter them from time to time according to some criteria