Thursday 04 May 2017

Encapsulate

* Restrict outside access to a things parts.
* Bundle that things state with the operates that use that state.

What Varies

* This refers to changes in the code base not changing variable value.
* Reasons to change aka responsibilities aka axis of change include:
  + Requirements
  + Refactoring
  + Performance improvements
  + Business needs
  + Understanding the problem space

Motivation

* Deal well with future change in requirements.
* Requirements come from business needs or a change in understanding of the problem.
* By "restricting outside access" to the "parts of the code that will change", we can later change those parts without needing to change other parts of the system.

Methodology

* Use interfaces to separate the stable interface from the unstable implementation.

<https://softwareengineering.stackexchange.com/questions/337413/what-does-it-mean-when-one-says-encapsulate-what-varies>

<https://blogs.msdn.microsoft.com/steverowe/2007/12/26/encapsulate-what-varies/>

<https://thetechhunter.wordpress.com/2011/01/19/encapsulation-encapsulate-what-varies/>

* This article is not very useful.