

PL Testing and PL Development –

Commonalities and Variations on a Theme

Chris Condron
Bill Hetrick
Peter Knauber
Yuan Zhan

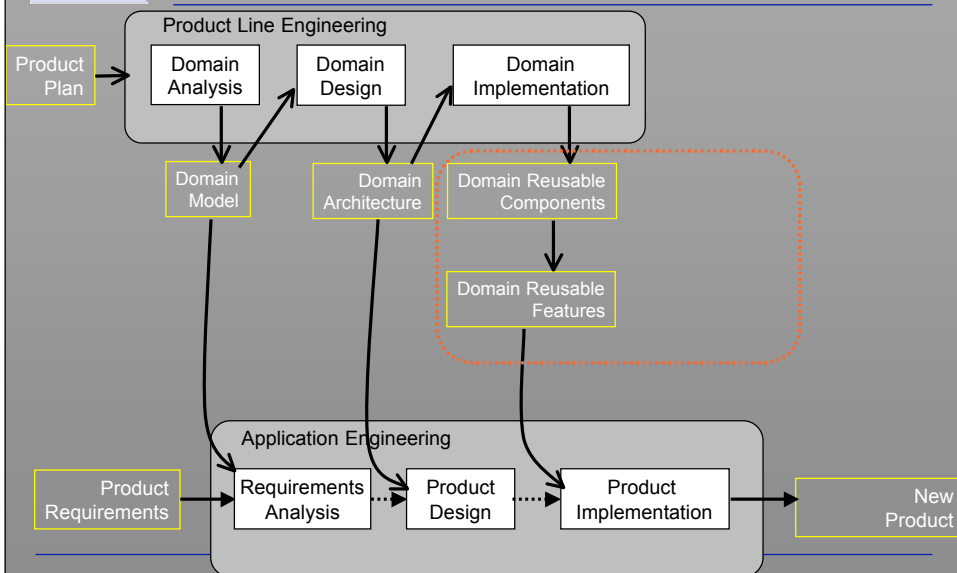


Elevator Statement

- Testing is a critical commonality amongst all artifacts of the PL including the core assets
- An critical early step of setting up a PL is the creation of test infrastructure core assets
- The tests for the (other) PL assets should be developed simultaneously to the (other) assets themselves using the test infrastructure
- Therefore PL product development and PL test development follow exactly the same structure

Why is the Problem Important?

- Because PLE is outpacing traditional test practices
 - The amount of products produced using PLE exceeds the capacity of traditional testing resources
 - The amount of variability contained in PL assets cannot be dealt with using traditional testing methods
- Testing is both expensive and incomplete, thus, we need a testing strategy to do PL testing effectively and efficiently
- Testing needs to exploit the benefits of PLE, that is, strategic reuse of embedded test assets allows testing to keep pace with PL development



Test Implementation in PLE

