











Why Do We Care (How "Soft" it is?)		
Requirements	Development	Testing
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GGM58 Need some graphics Gerard Meszaros, 6/16/2011





GGM59 Possibly create a "Where are we now" slide preceding this one. Gerard Meszaros, 6/16/2011























<pre>public_void testAddItemQuantity_severalQuantity() throws Exception {</pre>			
try (// Setup Fixture (Do) Constant and Condo			
Address DillingAddress = new Address("12221st			
"Canada"); / //////////////////////////////////			
Address shippingAddress = new Address("1333 1st			
St SW", "Calgary", "Alberta", "T2N 2V2",			
"Canada"); Customer - new Customer(99 "John" public woid			
"Doe", new BigDecimal("30"),			
billingAddress, shippingAddress); testAddItemQuantity_severalQuant			
Product product = new Product(88, "SomeWidget", ity () {			
new BigDecimal(#19.99"));			
// Exercise SUT	QUANTITY = 5;		
invoice.addItemQuantity(product, QUANTITY);	product - crostoDroduct().		
// Verify Outcome	product = createrroduct();		
if (lineItems.size() == 1) {	invoice = createAInvoice():		
LineItem actualLineItem =			
(LineItem)lineItems.get(0);	// Exercise SUT		
assertEquals(invoice,	invoice addItemOvertity(
assertEquals(product.	Invoice.additemQuantity(
actualLineItem.getProduct());	product, QUANTITY);		
assertEquals(quantity,	// Nomifre Outgome		
actualLineItem.getQuantity());	// verily oulcome		
actualLineItem.getPercentDiscount());	expectedItem =		
assertEquals(new BigDecimal("19.99"),			
actualLineItem.getUnitPrice());	newLineitem(invoice,		
assertEquals(new BigDecimal("69.96"),	product, QUANTITY,		
} else {	product.getPrice()*		
assertTrue("Invoice should have exactly one			
line item", false);	QUANTITY);		
} finally {	assertExactlvOneLineItem(
<pre>deleteObject(expectedLineItem);</pre>	invoise competed them);		
deleteObject(invoice);	invoice, expecteditem);		
deleteObject(customer);			
deleteObject(billingAddress);			
<pre>deleteObject(shippingAddress);</pre>			
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Slide 44

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Spiral Waterfall in Telecom		
 What We Had Nightly Builds Automated Regression Testing Manual Acceptance Testing 	 What Was Lacking Check-in after developer testing Specialized regression environment & tools Acceptance Tests Written After Code 	
The Results • Broken Builds • Test & Fix Ping Pong • Release Slippage		
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GGM60 The lacking part is missing the context of modern agile practices. Maybe it should be done after I introduce the practices?

Or, I could repeat the slide with the Lacking part near the end of the talk as a summary or learnings slide.

Gerard Meszaros, 6/16/2011

