

Plan to throw one away; you will, anyhow.

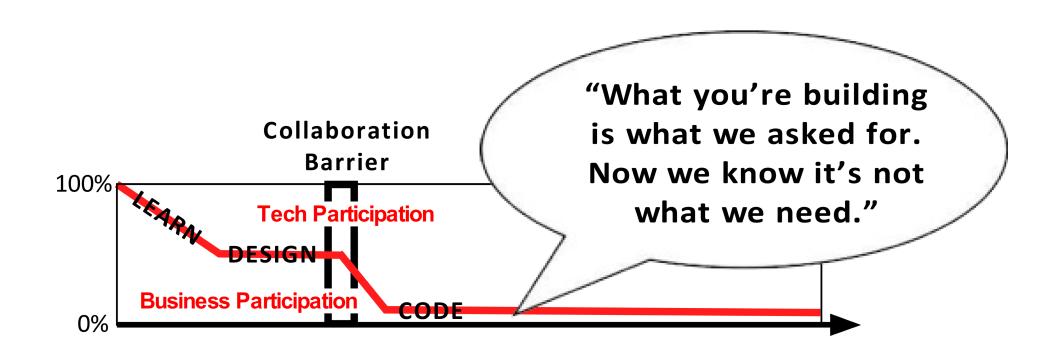
Frederick P. Brooks, Jr. "The Mythical Man-Month"

Mary & Tom Poppendieck:

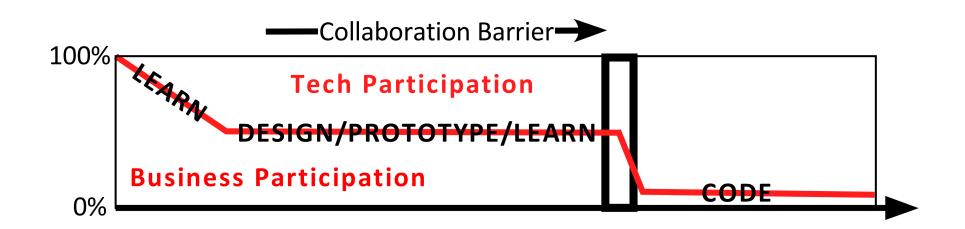
"The biggest cause of failure in software-intensive systems is not technical failure; it's building the wrong thing."

"Leading Lean Software Development: Results Are Not the Point"

Business Input Into What the Product Is Goes Way Down When Coding Begins



Prototyping Extends Participation of the Business People Into the Construction Phase of the Project



A Prototype is NOT ... A Potemkin Village



Prototype:

An Early Implementation Whose Purpose is to Learn How Users Interact with the System

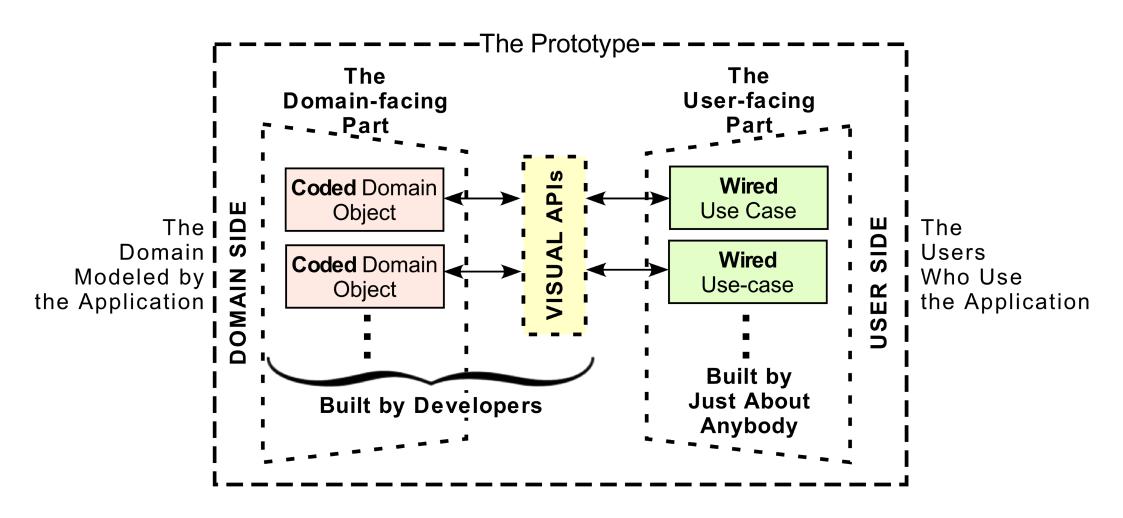
- · It works as specified, but
- It doesn't necessarily take into account real deployment issues such as
 - Spatial distribution
 - Transaction rates
 - Security
 - Uptime requirements
 - Regulatory compliance
 - Latency
 - Response time to requirement change
 - etc. etc.

What You Will See

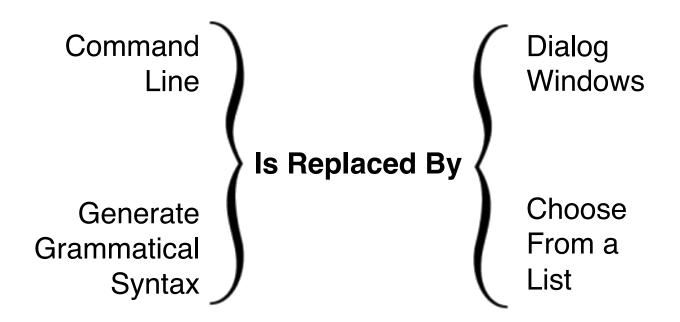
A way to *divide up the work* building a prototype so that...

- There is a parallel path for business people and developers to work concurrently on the prototype
- Business people focus on use cases while developers focus on domain objects
- Use cases are lightweight and flexible
- This gives the business people things to share with their colleagues

The "Two-faced" Prototype Model Cleanly Divides the Work



The Visual API

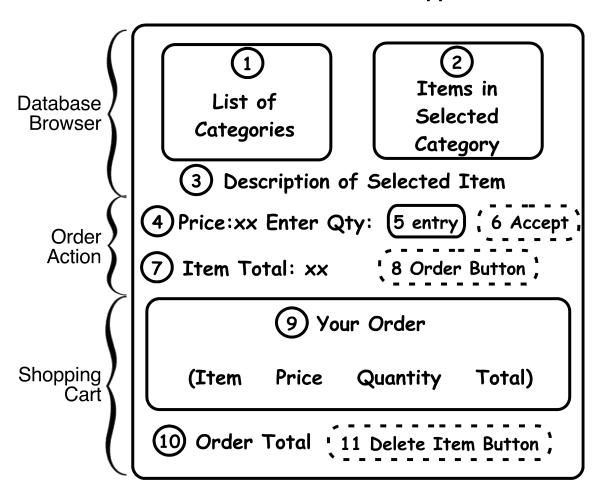


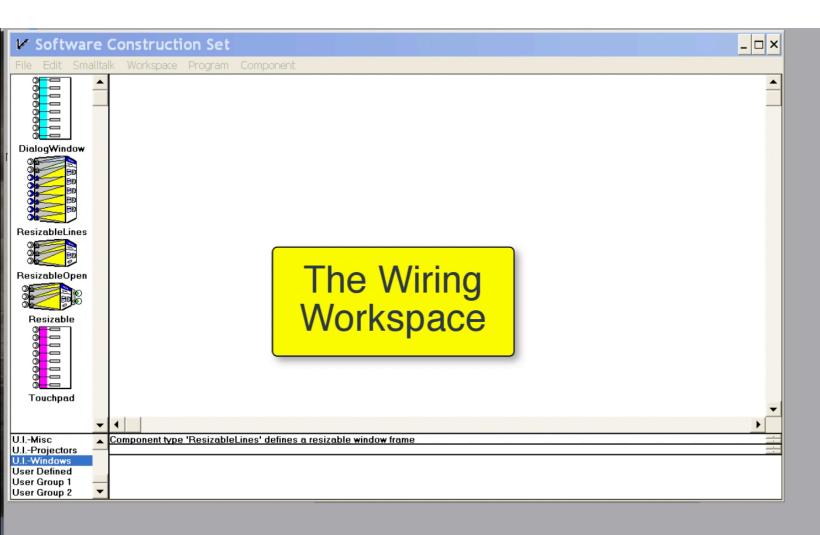
You will see:

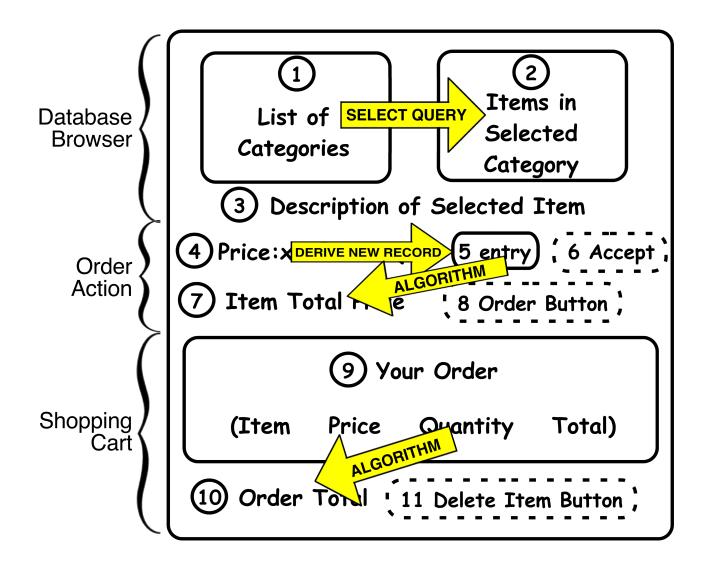
- The Lightweight, Fluid, Experimental Style of Construction
- Data (In some form) is always present

We'll Build a Prototype Starting With a Wireframe...

Italian Takeout Menu Application







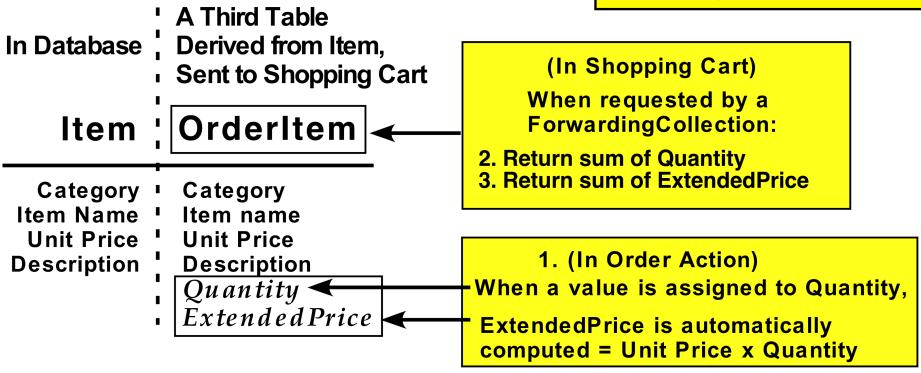
Yellow arrows show operations performed by domain objects, not in wiring

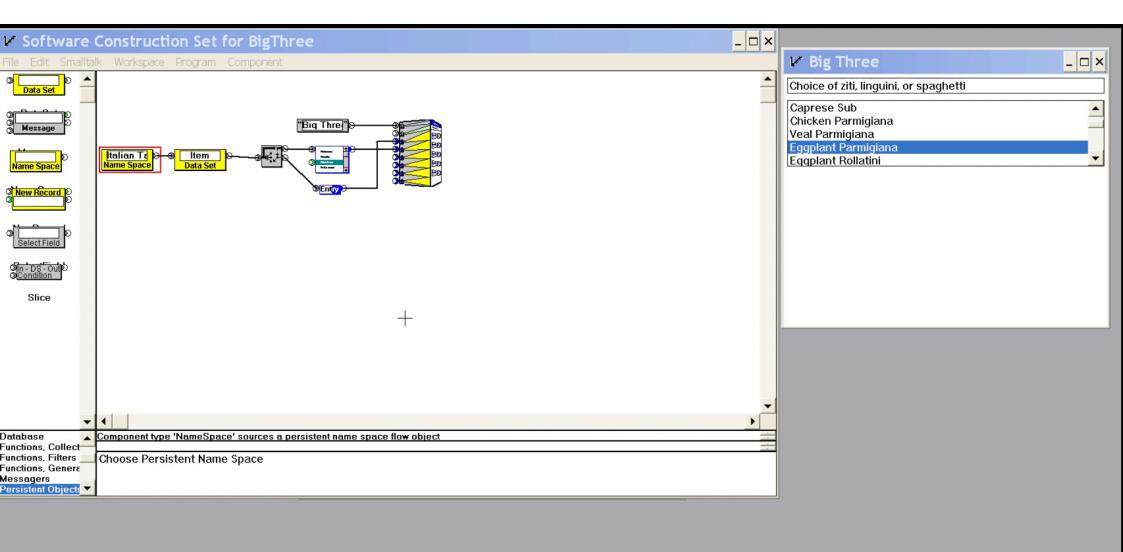
Category and Item Tables

Name	Data_Type	
Cold Subs	Category	
Entrees	Category	
Hot Subs	Category	
Pasta	Category	
Salads	Category	
Wraps	Category	

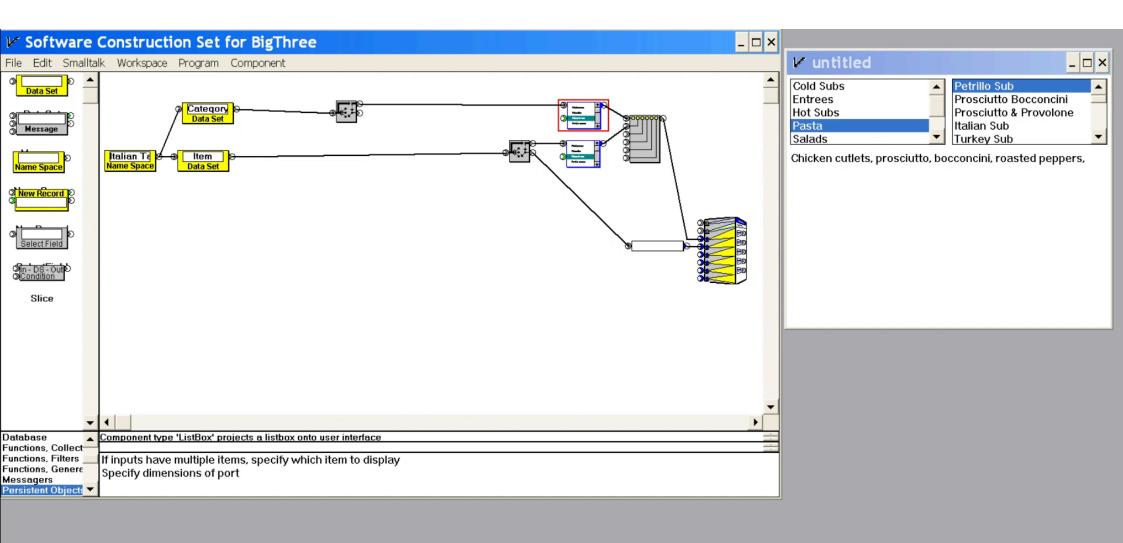
Category	Item	UnitPrice
Cold Subs	Petrillo Sub	8.95
Cold Subs	Prosciutto Bocconcini	7.95
Cold Subs	Prosciutto & Provolone	7.95
Cold Subs	Italian Sub	6.95
Cold Subs	Turkey Sub	6.95
Cold Subs	Italian Tuna Sub	7.95
Cold Subs	Mixed Tuna Sub	5.95
Cold Subs	Caprese Sub	5.95
Entrees	Chicken Parmigiana	8.95
Entrees	Veal Parmigiana	11.95
Entrees	Eggplant Parmigiana	7.95
Entrees	Eggplant Rollatini	8.95
Entrees	Pollo Piccata	10.95
Entrees	Chicken Caprese	10.95
Entrees	Pollo alla Linda	10.95
Entrees	Chicken Marsala	10.95
Entrees	Veal Marsala	12.95
Entrees	Marinated Steak Tips	12.95
Entrees	Chicken Saltimbocca	12.95
Entrees	Veal Saltimbocca	13.95
Entrees	Pasta Pomodoro	5.95
Hot Subs	Homemade Meatball Sub	5.95
Hot Subs	Veal Parmigiana Sub	8.95

Three
Domain-specific
Behaviors you will see
in OrderItem



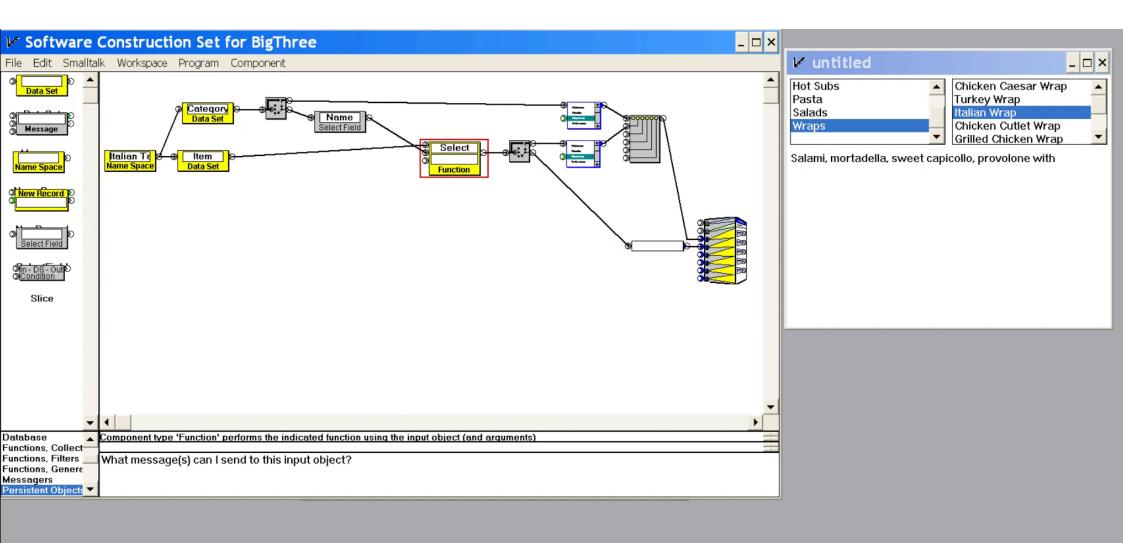




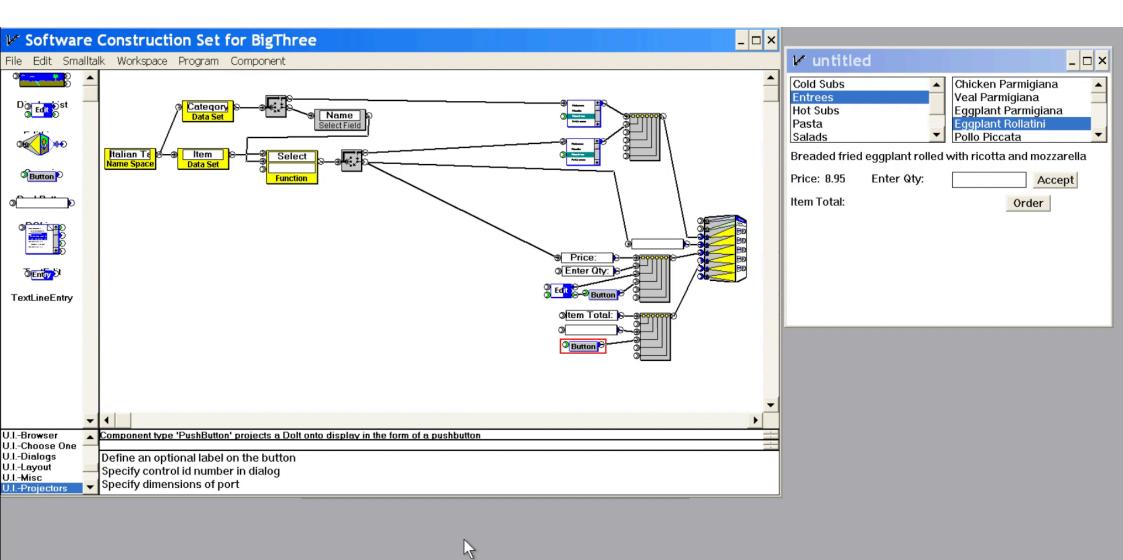




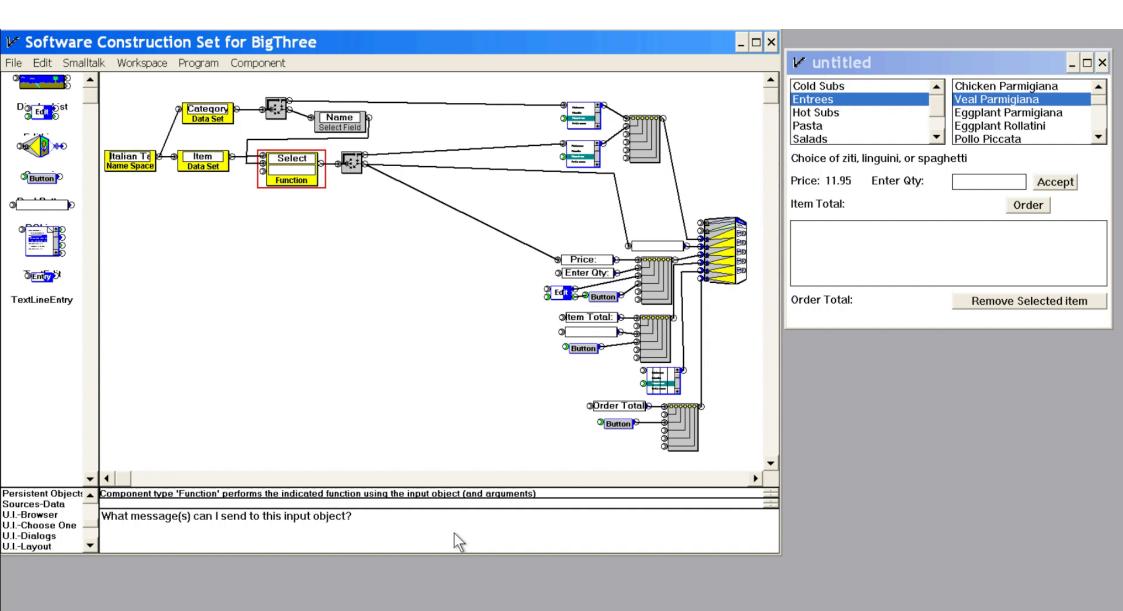




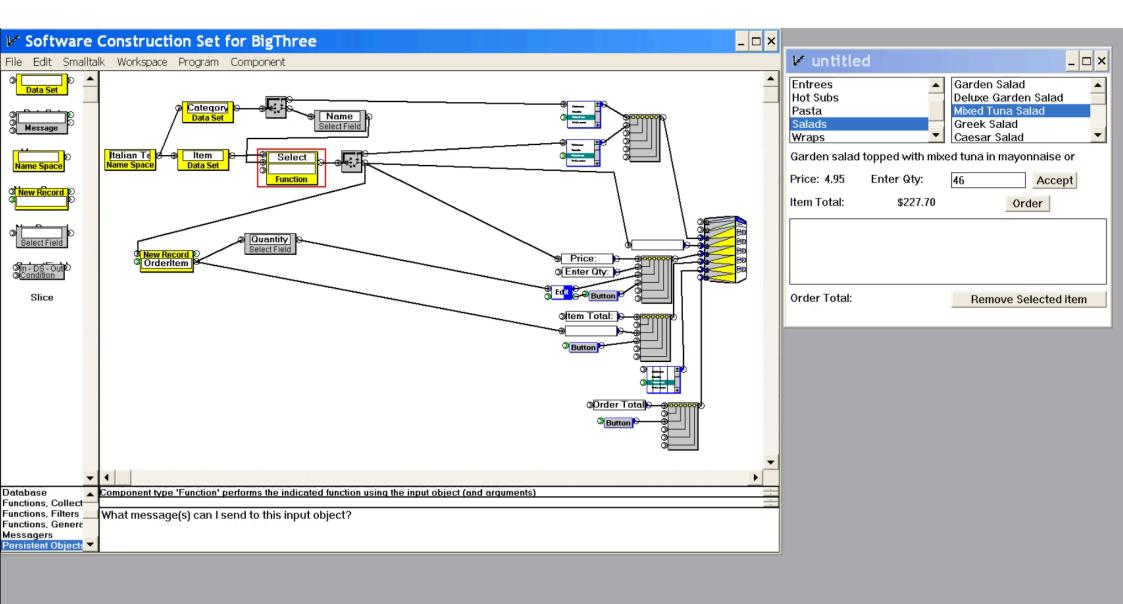




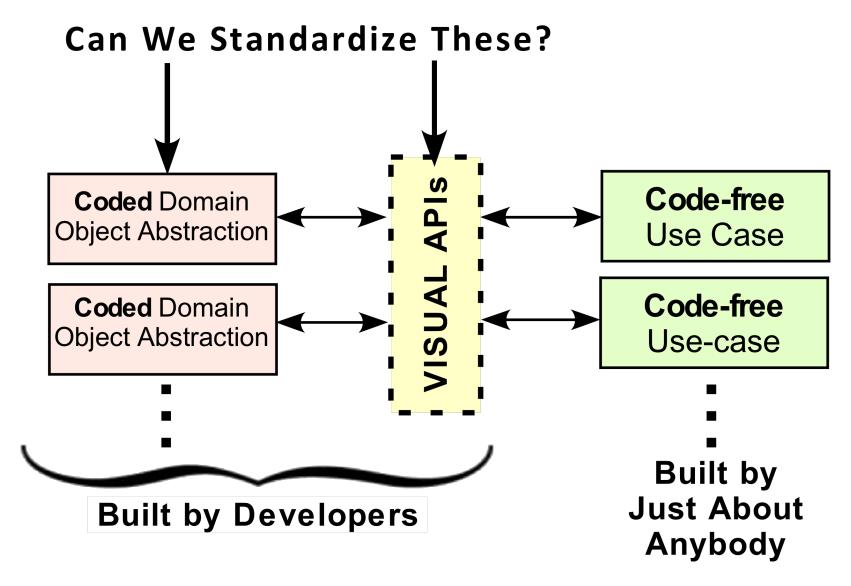


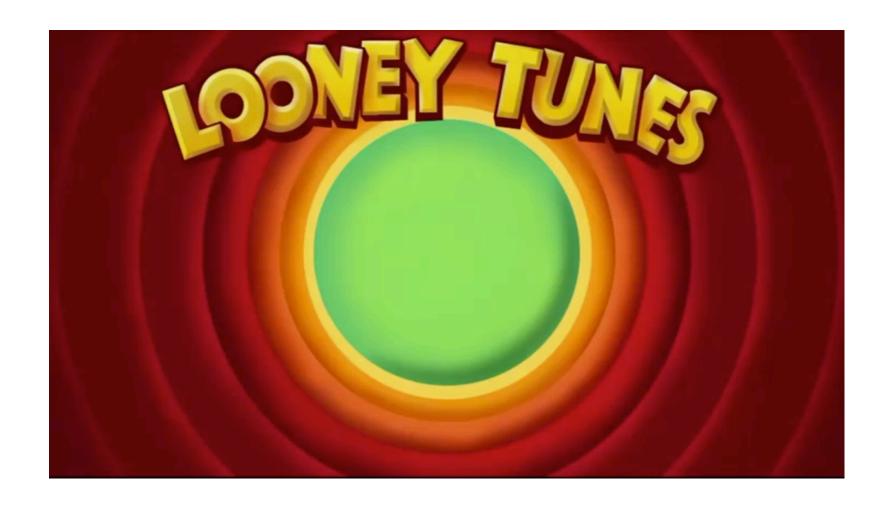














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