DESIGN MVC MOBILE APP VISUALLY IN HOURS

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Agenda

- Hello World
- What is Sencha Touch
- MVC anyone?
- What is Architect (Why / Fit / History)
- Prototyping stages
- Demo Project
- Getting Started Projects

- Alternate Tools (time permitting)

Hola!

- Bilal Soylu
  - CTO Verian Technologies LLC (www.verian.com)
  - ColdFusion since mid 90s
  - Enough mistakes to know better ;o)
  - Sencha User Group Manager Charlotte
- Blog
  - http://BonCode.blogspot.com
  - @BmanClt

Sencha Touch

- Library to help build mobile apps with HTML5, CSS3, and JavaScript
- Webkit centric, mobile optimized
  - Touch Events (Tap, Double tap, Tap and hold, Swipe, Rotate, D&D)
  - Scroller (Momentum, Bounce)
  - Orientations
  - Layouts
  - Animations
  - Theming and Icons
  - Components (Lists, Picker, Toolbars, Buttons)
  - HTML5 (Audio, Video, GeoLocation)
- Current Release 2.0.1; release 2.1 in Beta

Experimenting with Library Components

- http://docs.sencha.com/touch/2-0/#!/example/kitchen-sink

Sample of Apps with Touch

New World

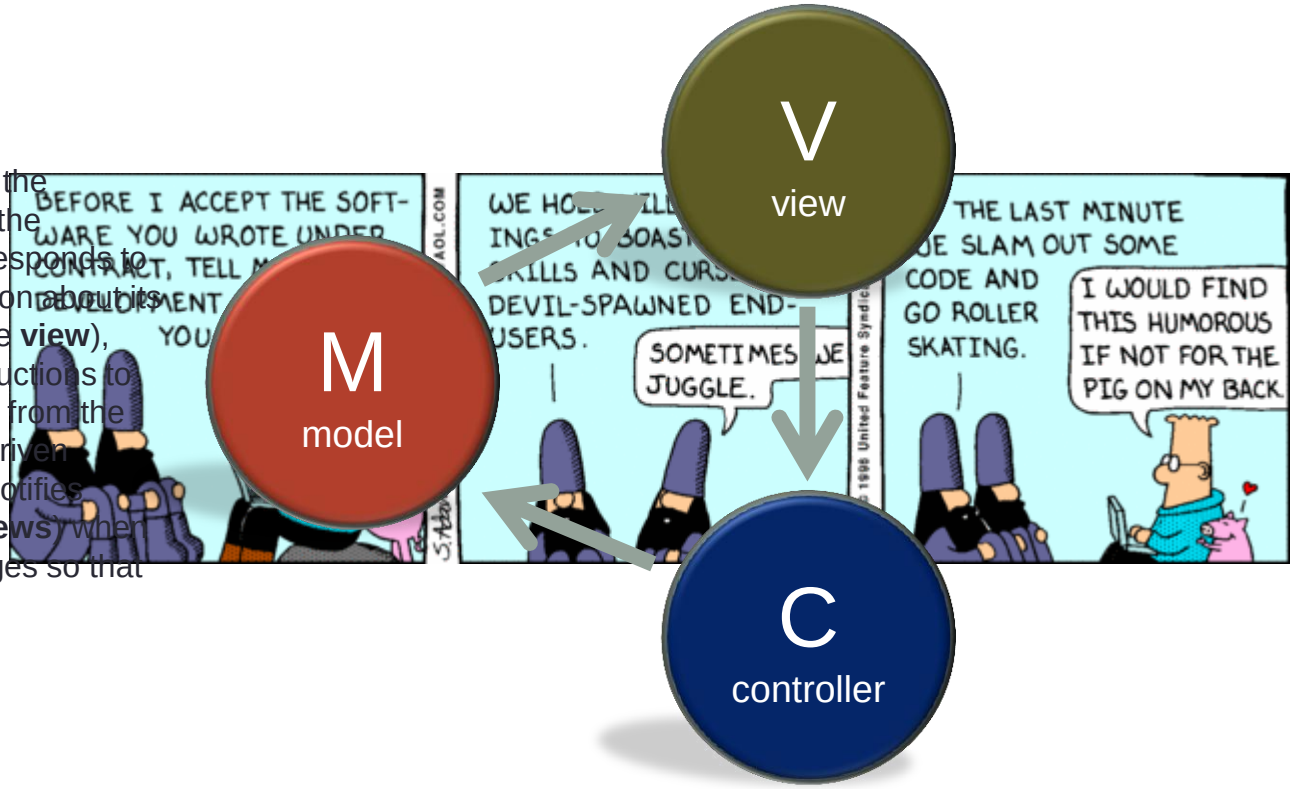
"Architecture is critical to server-side application, so why shouldn't the same apply to client-side apps?" *

*Alex MacCaw – author "JavaScript Web Applications"

MVC Generic

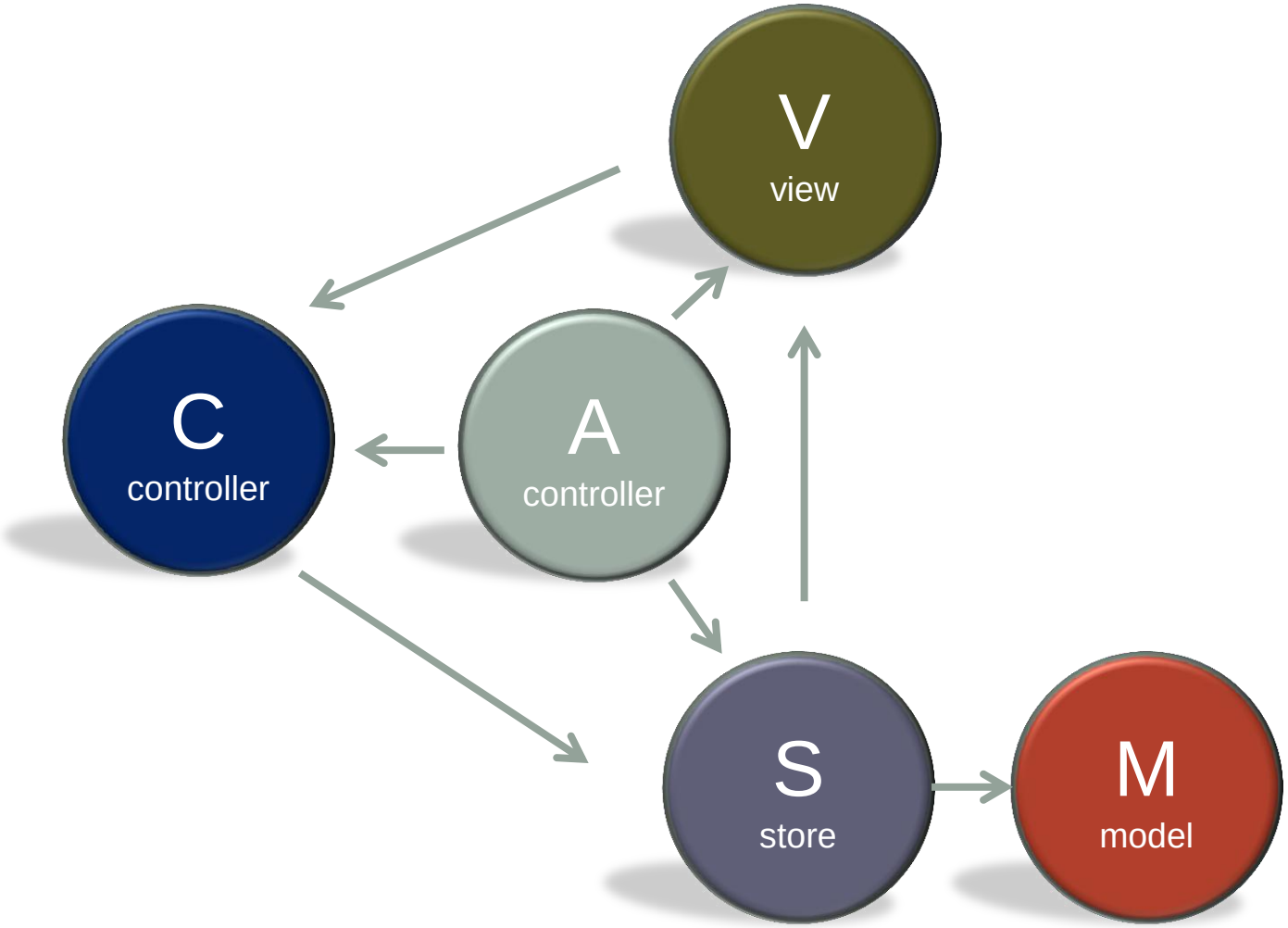
The ***View*** renders the model into a form suitable for interaction, typically a user interface element. Multiple views can exist for a single model for different purposes. A view port typically has a one to one correspondence with a display surface and knows how to render to it.

The ***Model*** manages the behavior and data of the application domain, responds to requests for information about its state (usually from the **view**), and responds to instructions to change state (usually from the controller). In event-driven systems, the model notifies observers (usually **views**) when the information changes so that they can react.

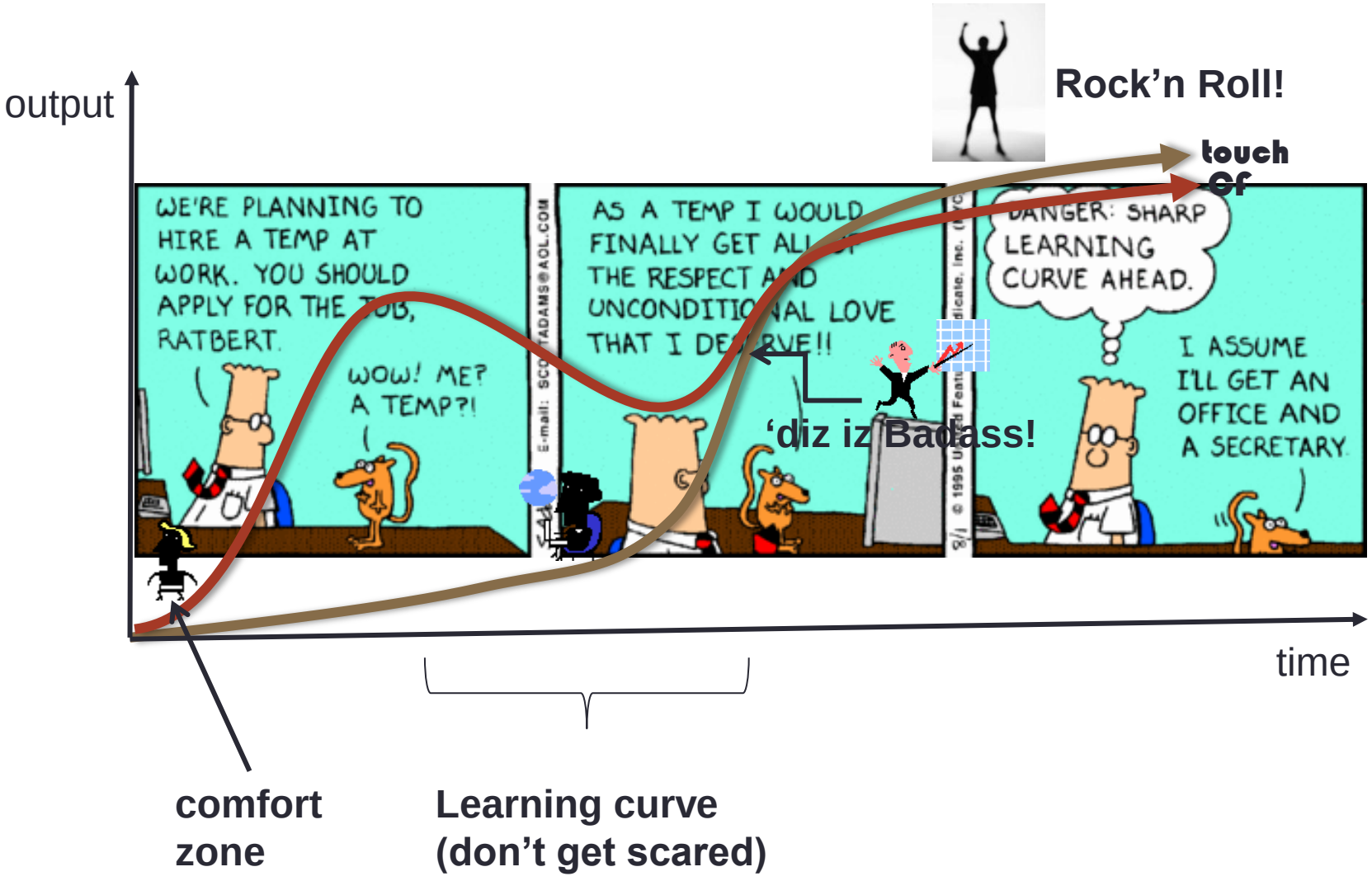


The ***Controller*** receives user input and initiates a response by making calls on model objects. A controller accepts input from the user and instructs the model and a view port to perform actions based on that input.

Sencha Touch / ExtJS 4 MVC



The Dark Side

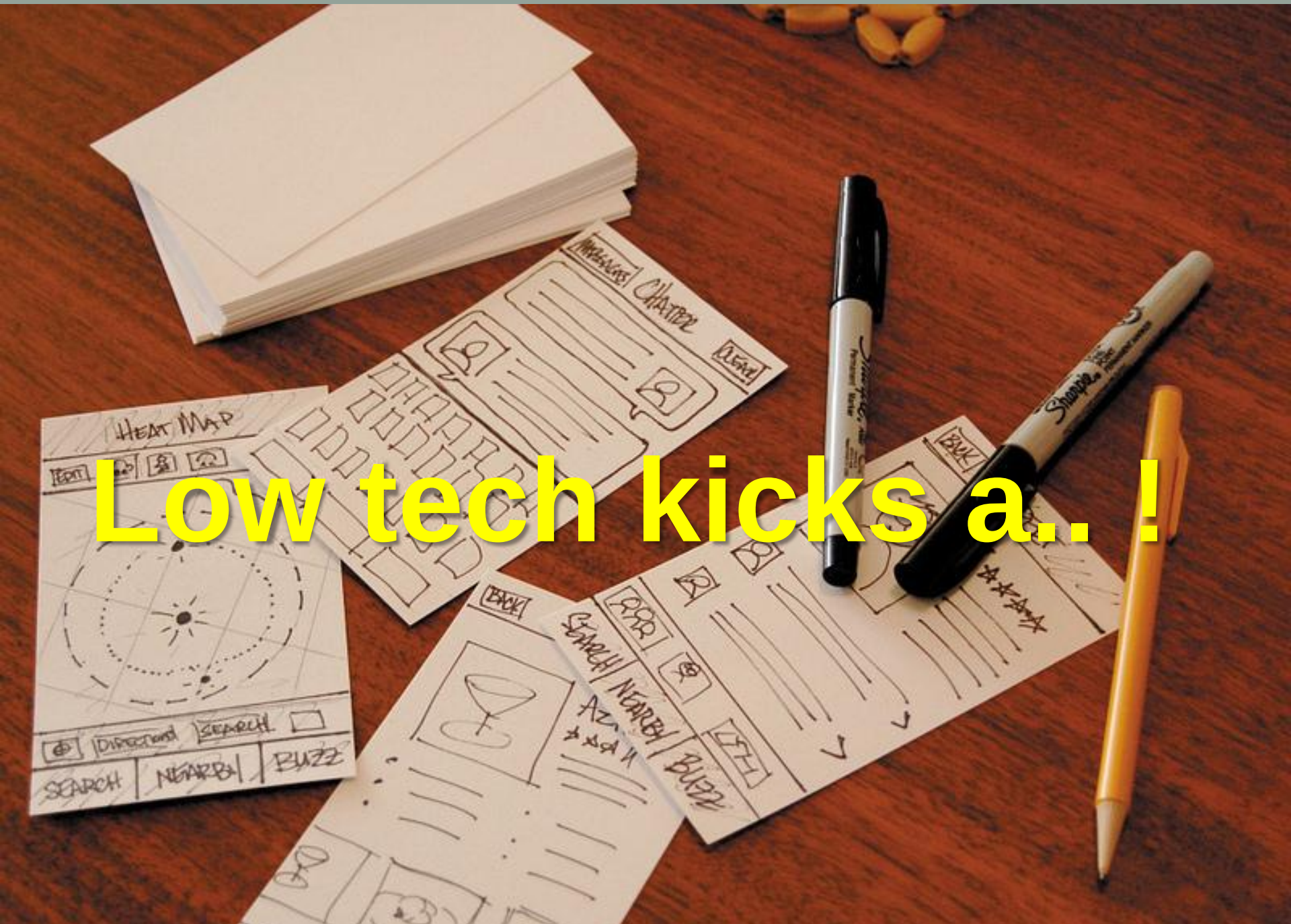


Sencha Architect, a brief history

- Fist there was Sencha Designer
  - Automatic Code Generation
  - Audience target: People want to prototype (get started)
  - Show good code for ExtJS 3.x and Touch 1.1
- Problem Areas
  - No Code changes
  - No MVC
  - No support for ExtJS4 and Touch 2
- Most feedback
  - “Interesting”, but I really want to do this instead…

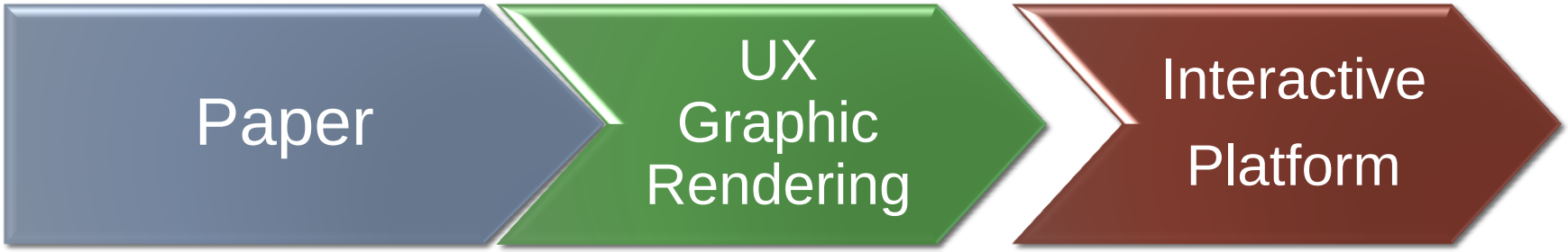
Architect 2.1

- Name change
- Support ExtJS4 and Touch2
- Best Practices in a box
- Reduce Learning Curve
- Show better code
- Prototype Mobile Apps (in platform)
- Learn about the libraries and dependencies



Low tech kicks a.. !

Levels of Prototyping

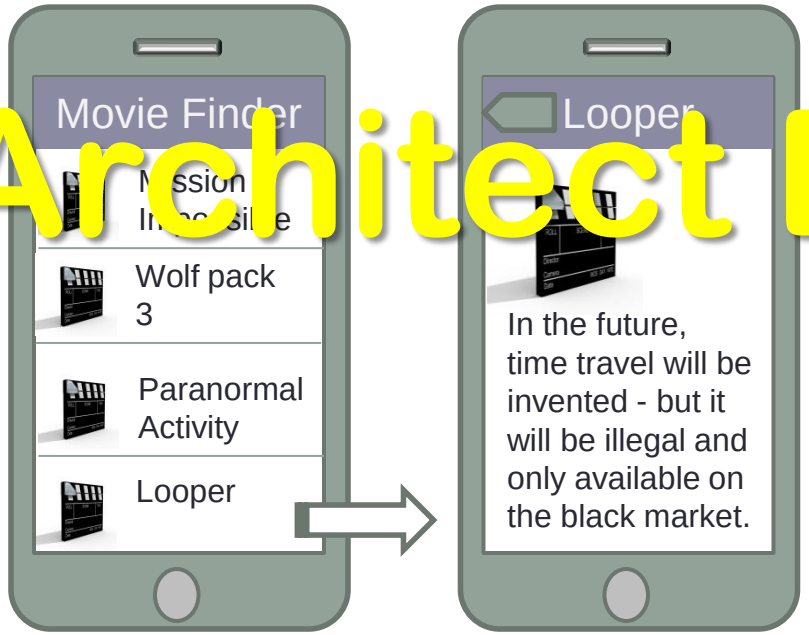


- Develop Concept
- Evaluate Ideas
- Quickest Proto
- Business Level / PM
- High Knowledge Users

- Basic UX testing
- Graphic Artists
- Med Knowledge Users

- Full UX testing
- Developers / UX
- Low Knowledge Users

Movie Finder Project



Architect Demo Time

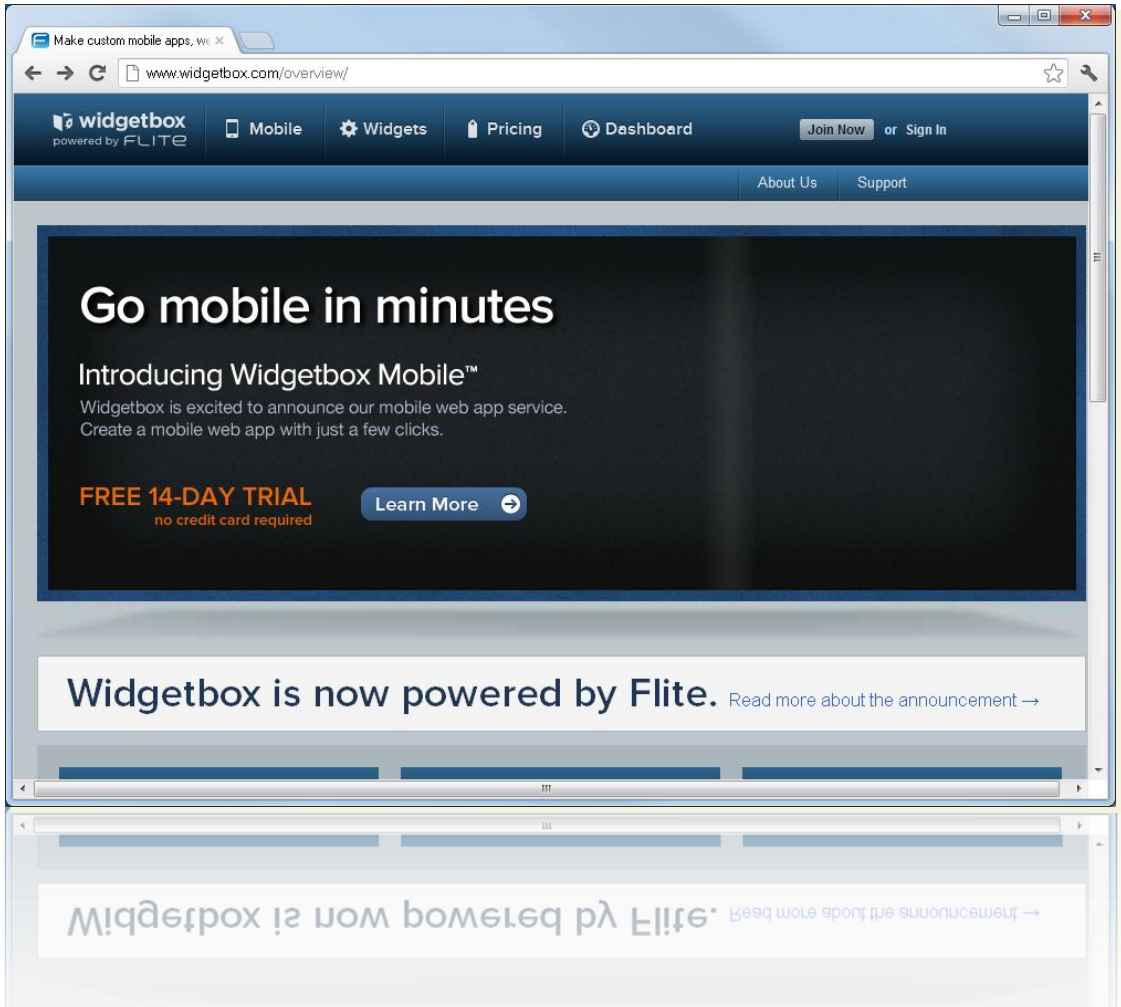
Sample Architect Projects

- You can download a selection of Projects

http://cdn.sencha.io/architect/architect-examples.zip

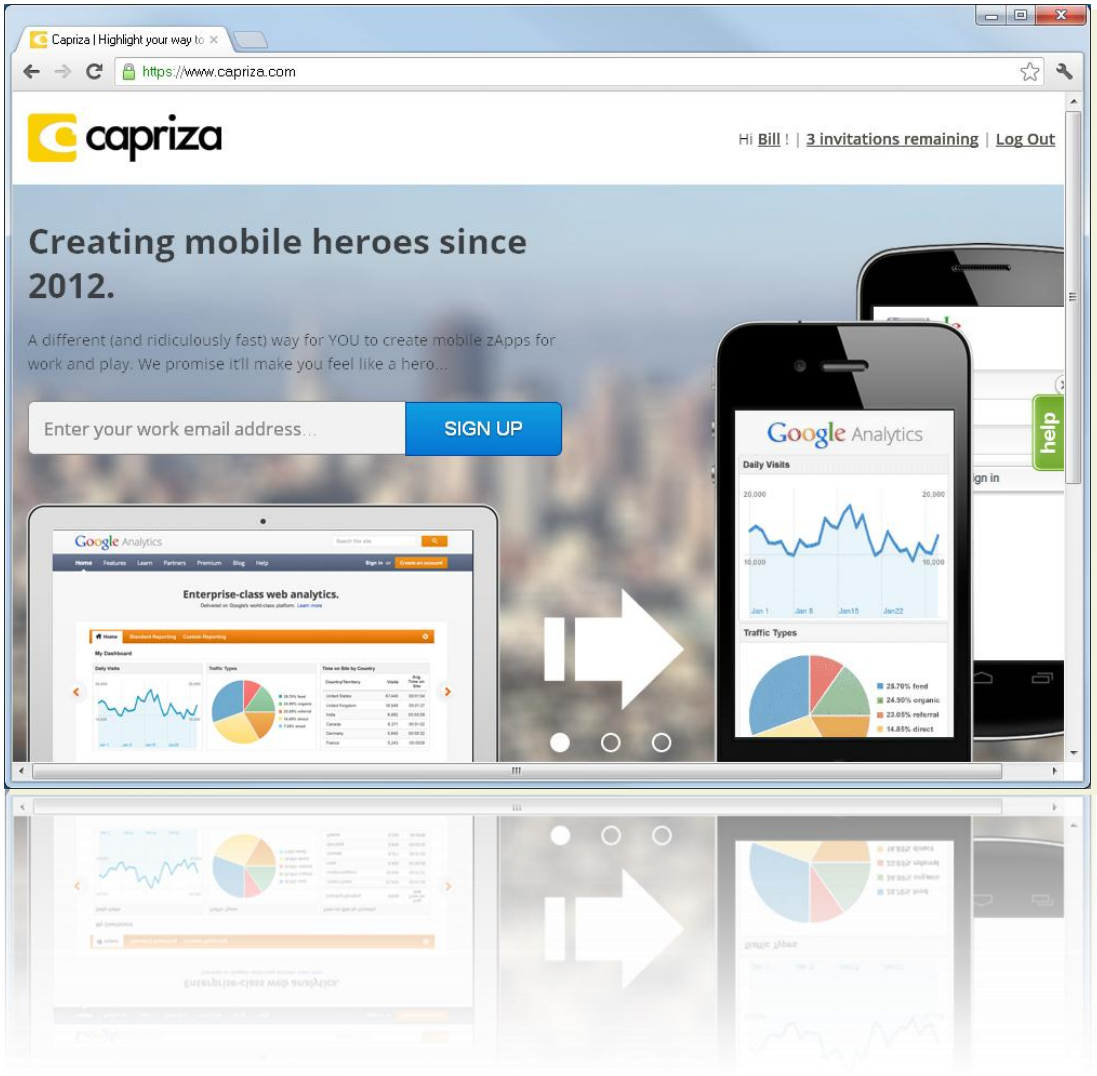
Alternate Toolbox

- www.widgetbox.com
- Some Simple Scenarios
  - Mashups with Flicker, Google, Twitter



Alternate: Mobilize existing site(s)

- www.capriza.com
- Sign up for beta



THANK YOU

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http://BonCode.blogspot.com