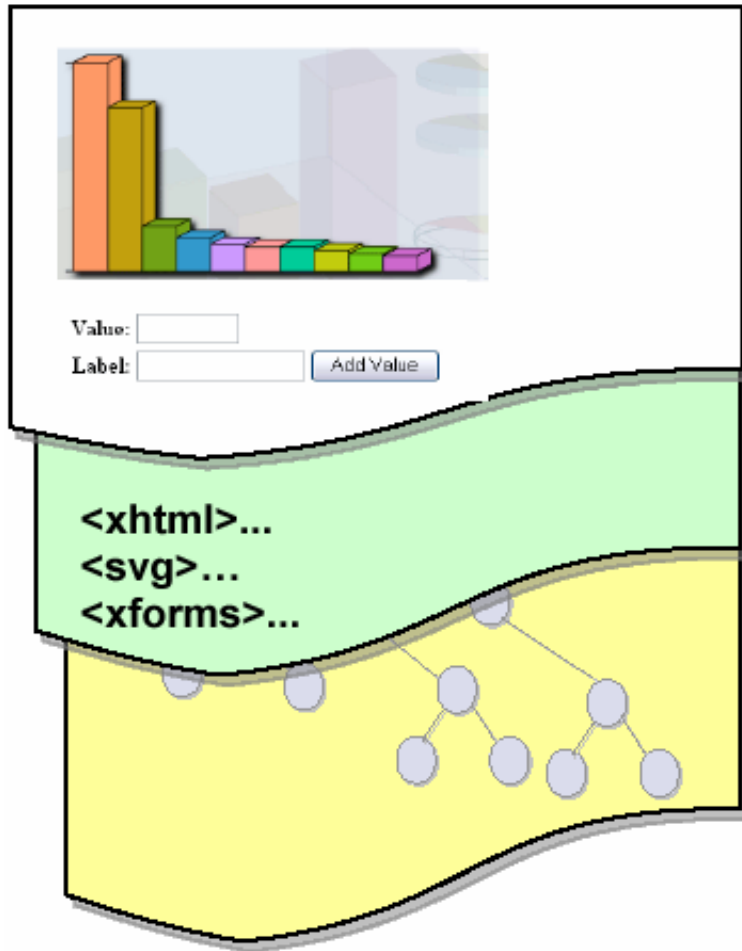


Overview of the Rich Web Backplane Panel and Note

- [Kevin Kelly] → Charlie Wiecha - Introduction and definition, demo
- John Boyer - Intelligent XML Data Model
- Steven Pemberton - Events, Intent based Events
- Mark Birbeck – Submit
- [Al Gilman – Accessibility] → Accessibility and DI (Rhys Lewis)

Rich Web Application Backplane



- Compound Documents
- Reduce duplication of the same functionality in many markups
- A more reliable, consistent, mixed markup, authoring model
- Enhances interoperability between declarative and procedural authoring

Rich Web Application Backplane

Interaction Namespaces and Frameworks

XHTML

SVG

XForms

VoiceXML

SMIL

AJAX-based
Composite Apps

Rich Web Application Backplane

Compound
Document
Framework

XML Data
Model

Model-view
binding
and events

Submission object
(XMLHTTP++)
and behavior

Choreography
(SCXML)

Component Model
and Composition

Platform technologies

DOM Parser

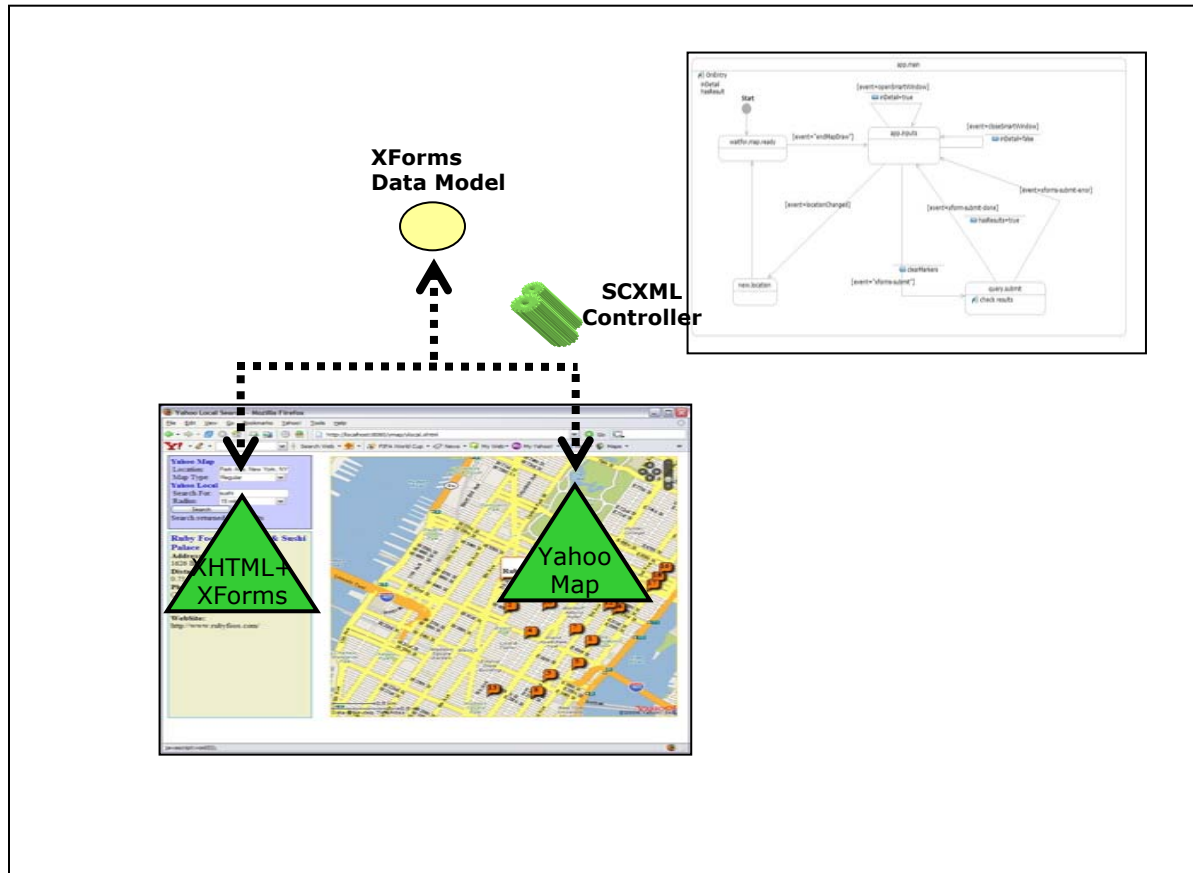
XPath, XSLT

DOM Events

JS

Security

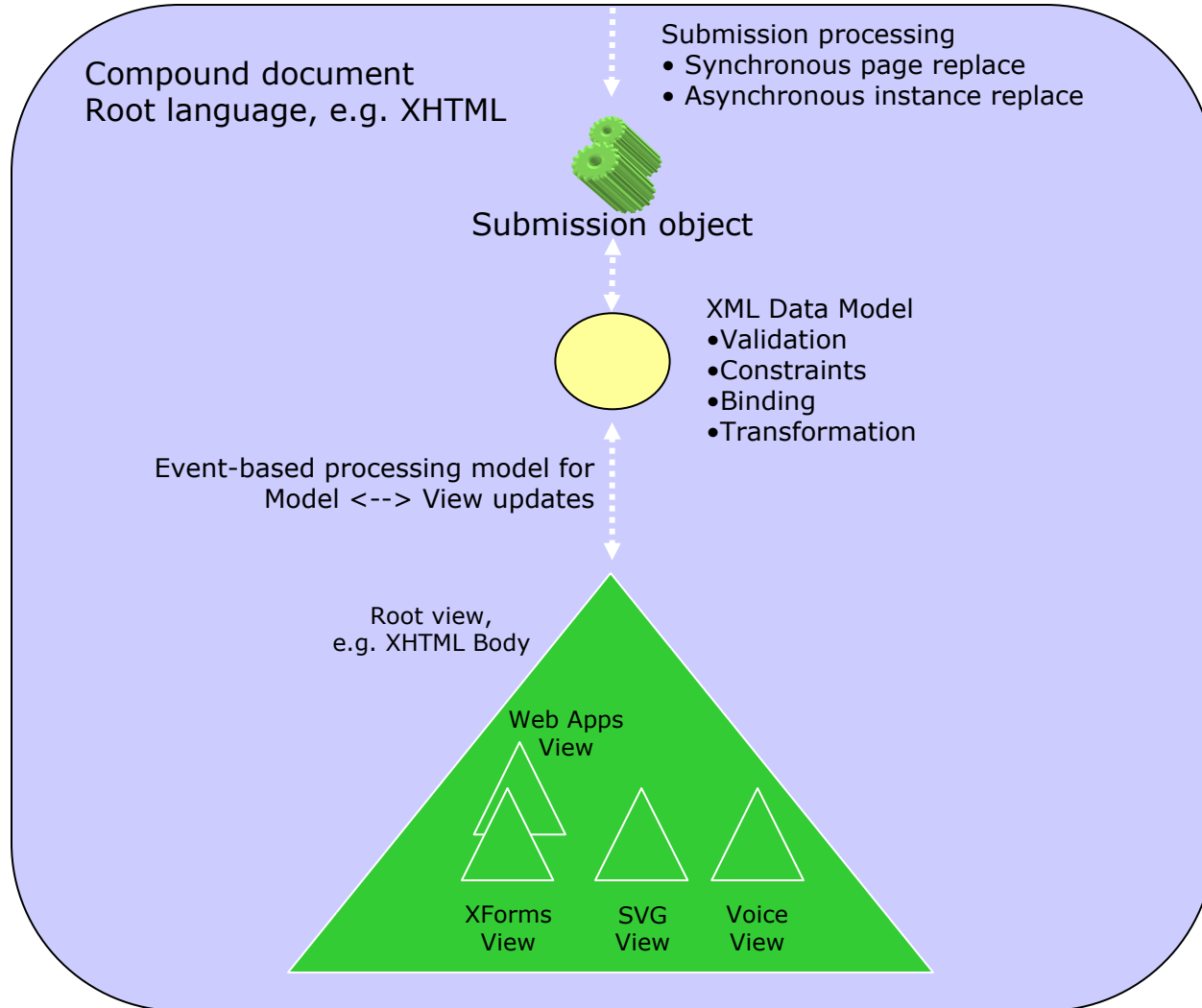
Example: From “mash-ups” to “hook-ups”



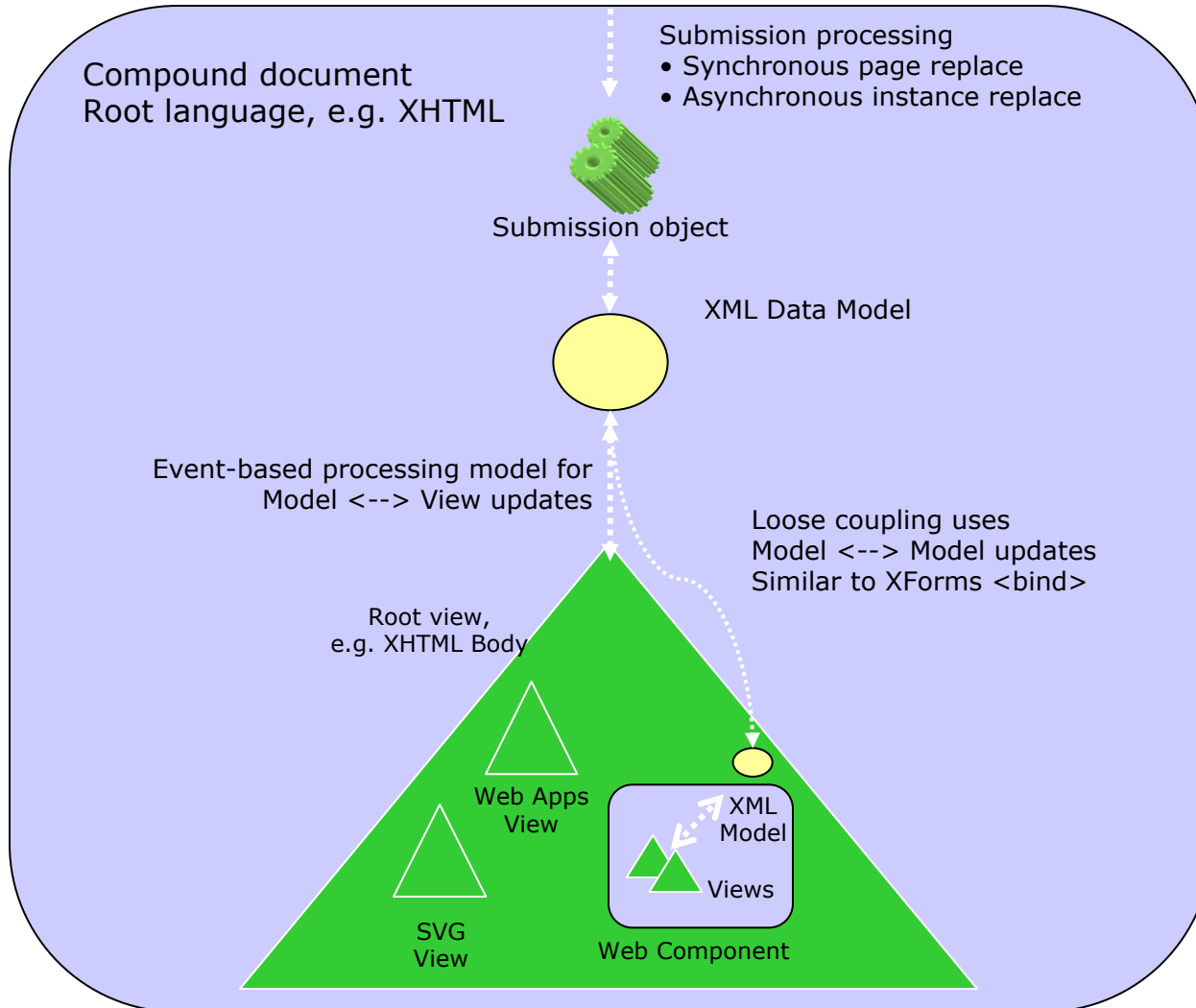
- Search box elements and Yahoo map component “hook-up” to backplane – vs. mash-up to each other
- State Chart XML Controller manages cross-component coordination

Composition in the Backplane

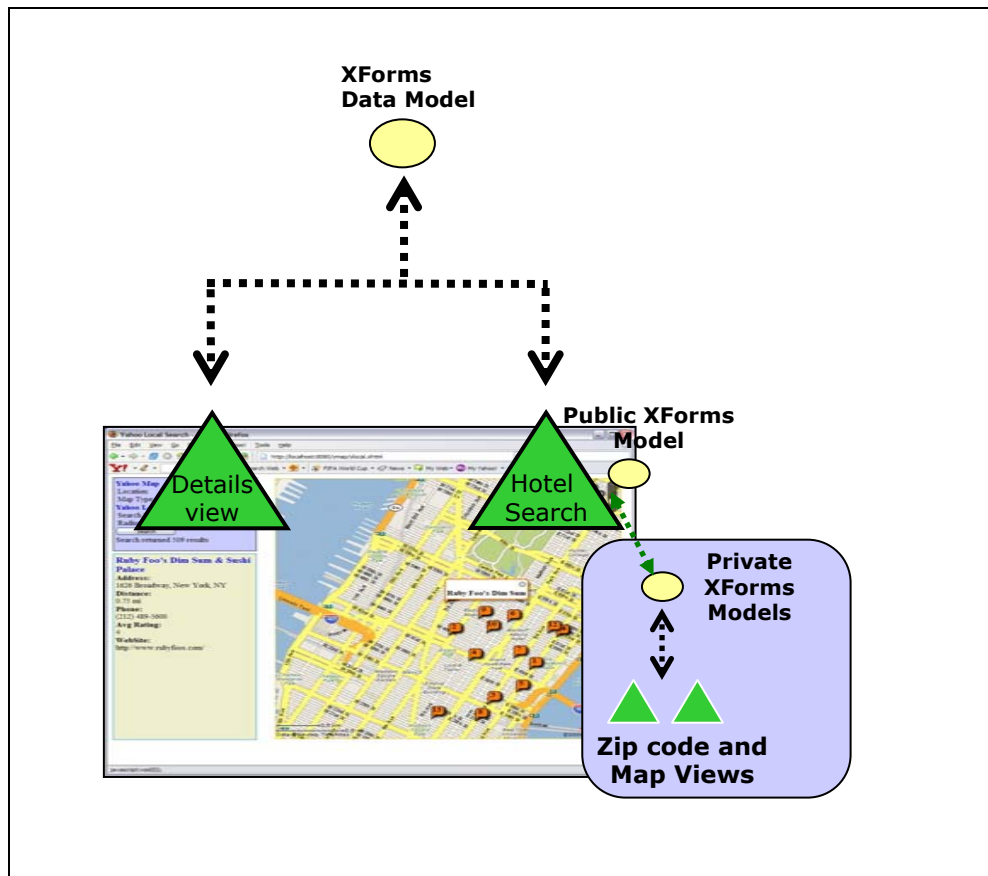
Loose Coupling of Applications in the Backplane



Web Components and Composition in the Backplane



Example: Recursive XML application components



- Search box elements and Yahoo map component combined into “hotel search” component
- Enclosing application document sees component as XForms control with “subtree” binding