

Sakai3/Kernel2

Developers Workshop

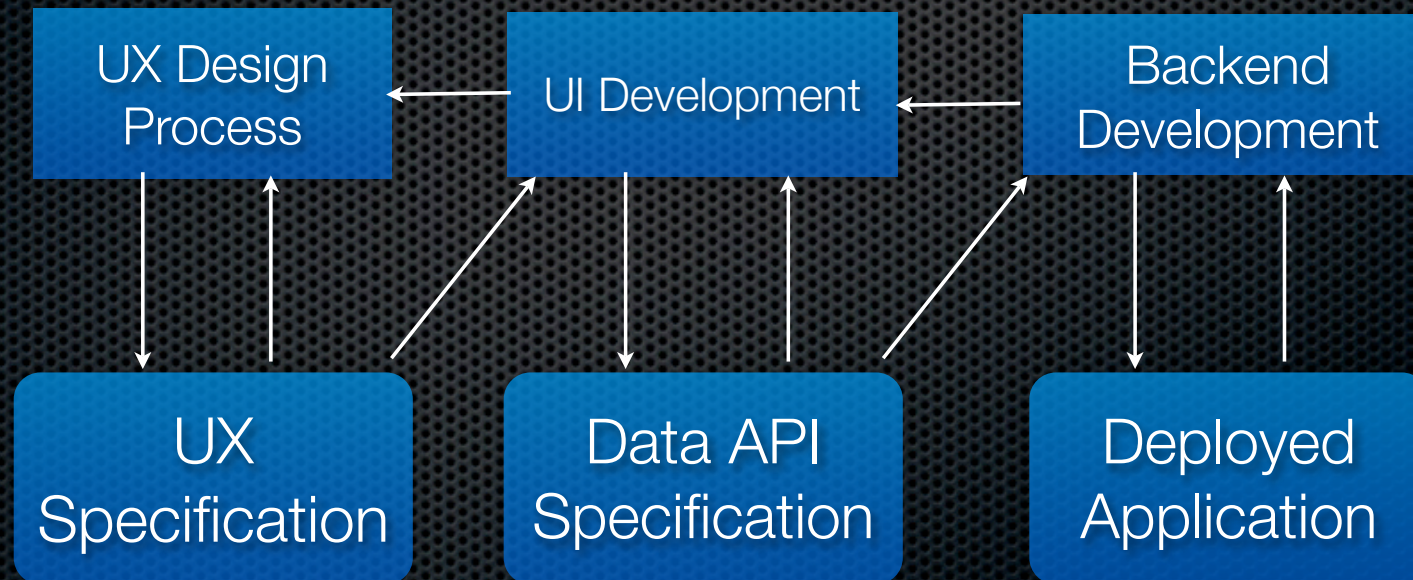
Boston Tuesday 7th July 2009

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University of Cambridge

Running Order

- 13:30 - 14:00 - A brief introduction to Sakai3/K2
- 14:00 Split into teams UX/UI & Backend Developers
- 14:00 - 14:30
 - UX/UI Get organized
 - Developers get up and Running
- 14:30 - 14:45 Break
- 14:45 - 16:30 Iteration 1
- 16:30 - 17:15 Iteration 2
- 17:15 Wrap up

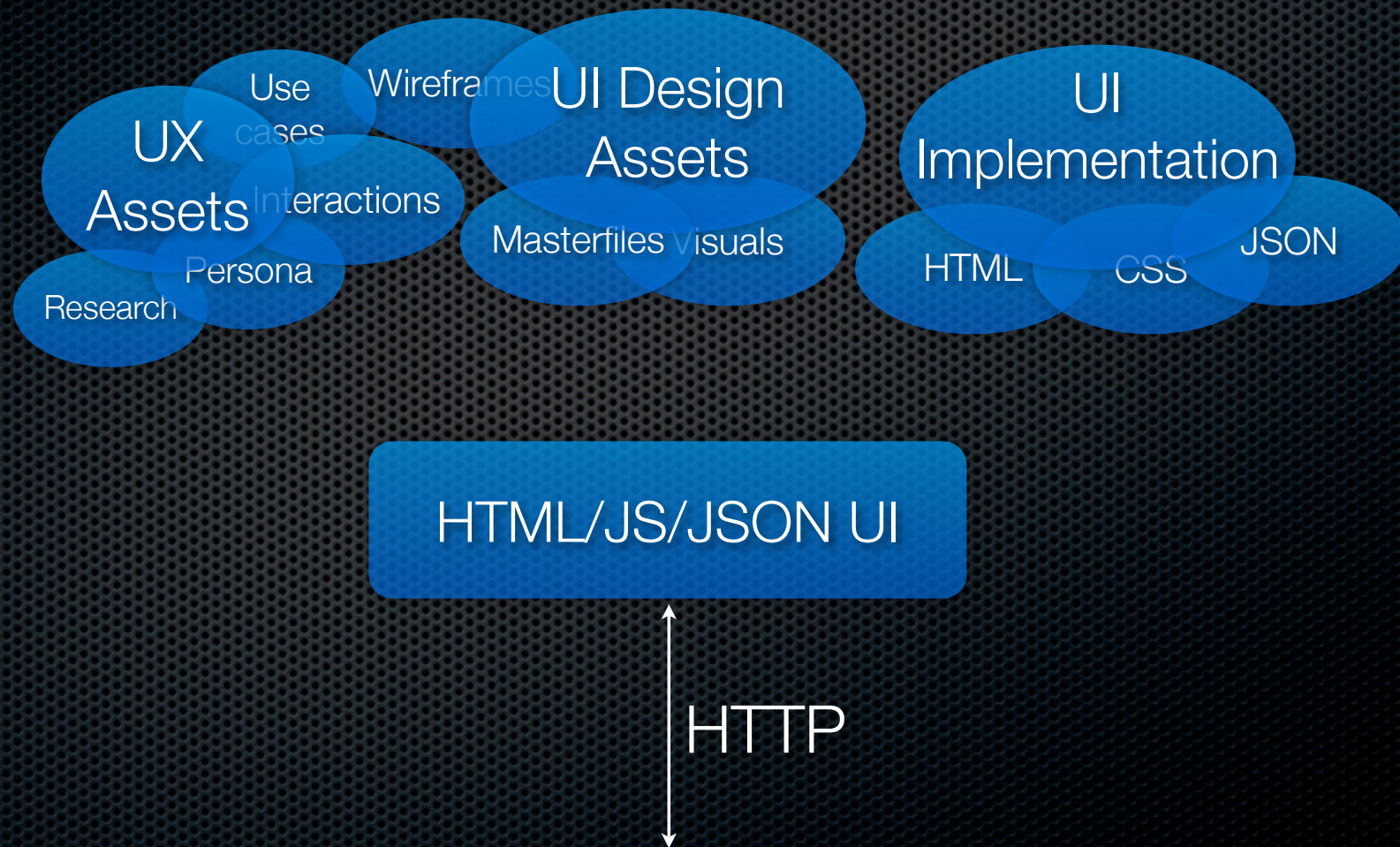
UX Lead Development Process



Sakai3



Sakai3



Sakai3

HTTP

UI
JSON

UI
REST

HTTP REST Server

HTTP REST Servlets

Sling/Sakai

OSGi

JCR

Sling

URL

/a/path/to/the/resource.selector.output

Method: POST

resolve

• Resource
resourceType

selects



/sites/physics/3rdyear/semi.members.json

Servlet == Resource

/sites/physics/3rdyear/semi.members.json

- /sites/physics/3rdyear/semi Method: GET
resourceType = sakai/site

OSGi	/apps/sakai/site/members.GET.servlet
Servlet	/apps/sakai/site/GET.servlet
	/apps/sling/default/GET.servlet

JCR	/apps/sakai/site/members.GET.jsp
Content	/apps/sakai/site/members.GET.rb
	/apps/sakai/site/members.GET.py

Your Task Today

- UX Research says Students want to know what is going on in sites, amongst friends, within courses. Indications are that an area of the screen, probably in their personal space, that they have control over and aggregates non technical event messages into a controllable chronological order will satisfy this need.
- “A personal minifeed”, “An activity feed”
- Backend Developers (think, dont do yet) owned by a user, 1000's per user, 1 G in a system.
- UX, tell the UI designers what to design to tell the UI developers what to implement to tell the Backend developers what to provide.
- Doc: <http://confluence.sakaiproject.org/display/KERNDOC/User+Guide>