Building a Distributed Developer Culture

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Overview

1. Distributed Architecture
2. Connecting with Developers
3. Driving App Development
4. Providing Developer Tools
5. Beyond the Institution
Distributed Architecture
in deploying the Mobile Web Framework
Federated Approach

- Institutional Service Provider
  - Maintains a central instance of the framework
  - Acts as a liaison to the MWF initiative
  - Provides first-line developer support
  - Reduces workload around keeping up with new devices and MWF releases.
Federated Approach

• Distributed Content Providers
  – Apps can run on any server
  – Two deployment approaches:
    • Local module
    • Remote module
  – All apps leverage the central framework instance
Federated Approach
Federated Approach
Deployment Strategies

• Local Module
  – Many service providers (including UCLA) host some modules locally.
  – Requires conformance to LAMP environment
  – Good for:
    • Static content
    • Content driven by parsers
    • Content driven by web services
Deployment Strategies

• Remote Module
  – Run by content providers in their environment
  – Linked to from main site
    • Framework and standards ensure unified identity
  – Good for:
    • Code with rapid release cycles
    • Content driven by domain-specific logic
    • A desire to retain complete control
Connecting with Developers
Support and Outreach in the Developer Community
Approaching Content Providers

• When content providers were approached, they hadn’t done mobile primarily because:
  – They lacked resources or experience
  – They didn’t view mobile as a priority

• MWF changed this perspective for many:
  – One set of code reduces development time
  – Leaves freedom to run in their own environment
  – Framework handles device-to-device nuances
  – Initiative provides a central identity for mobile
Inspiring Content Providers

- Contacted data owners starting March 2010
- Centrally developed a couple apps
- Introduced to developers in June 2010
- Enthusiasm was high, especially with its simplicity and low entry costs
- Rollout deadline of September 2010
- Additional modules since then
Supporting Content Providers

- Bi-weekly mobile developers sessions
  - Local at UCLA
  - Remote over conference line
- Email, phone and in-person support for MWF
- Mobile development consulting
- Presentations to developer groups
- Continued outreach to data owners
Driving App Development
Mobile App Development Competition
Investment driven by Technology

- July 2008 : iPhone App development
- Oct 2008 : Google Android open source
- Late 2009 : Android App development
- Blackberry / Windows Mobile devices?
Context: The UCB Mobile Plan

• 5-point campus mobile strategy (est 2010):
  1. Leverage
  2. Central campus mobile site
  3. Web applications module use cases
  4. Innovation
  5. Data freedom

• https://wikihub.berkeley.edu/display/itac/UC+Berkeley+Campus+Mobile+Strategy
Mobile Application Use Cases

• Focus of our investment is driven by business need, not by the technology

• Investing in two different models:
  – Kuali
  – UCLA’s MWF
The Mobile Web Framework

• Centralized solution to a distributed problem
• UCB focused on leveraging the framework
• Opportunity to mobile-enable the campus
  – Friday, June 10: Mobile Web Workshop
  – Saturday, June 11: Mobile Contest Announced
  – Tuesday, June 14: Contest Submissions Due
  – Wednesday, June 15: Winner Drawn at CSG
The Workshop & Contest

- 60 attendees
  - 40 from departments & 20 from IT & PA
- 8 submissions completed in 2 business days
Law School: Faculty Profiles

Faculty Profiles

Faculty | Adjunct Faculty | Center Executive Directors
Edit your Faculty Profile

Faculty
A

Kathryn Abrams
Herma Hill Kay Distinguished Professor of Law

Catherine Albiston

Christopher Edley, Jr.
Title: Co-Director, Chief Justice Earl Warren Institute on Race, Ethnicity & Diversity
Tel: 510-642-6483
Fax: 510-642-9893
Email Address: edley@law.berkeley.edu
Library: Electronic Resources

1. **Electronic Resources**
   - Recommended
   - By Type
   - By Subject

2. **Search**
   - Search titles and descriptions
   - Search titles only

3. **Search Results**
   - Recommended
     - Academic Search Complete
     - ebrary
     - Google Scholar
     - JSTOR
     - LexisNexis Academic
     - Readers' Guide Retrospective
     - RLG Union Catalog (via WorldCat)
     - Ulrich's Periodicals Directory

4. **LegalTrac**
   - 1980 - present
   - Indexes journals, law reviews, and magazines related to legal research and commentary on case studies, government regulations, the practice of law, statutes, taxation, and international law.
School of Social Welfare

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School of Social Welfare

News and Events
Dean Lorraine Midanik Reflects on 27 Years at the School of Social Welfare

Arabella Martinez (MSW '66) Encourages Social Welfare Graduates to “See the Invisible and Do the Impossible”

Social Welfare Alumni Association Spotlights Health Field Service at Annual Awards Dinner

Frances Moore Lappé Returns to UC Berkeley for the School of Social Welfare’s 2011 Seabury

School of Social Welfare Mobile
Full Time Faculty
Lecturers
Emeriti

University of California
Webmail

School of Social Welfare

Map to Haviland Hall

School of Social Welfare

Michael J. Austin
Milton and Florence Krenz Mack Distinguished Professor of Nonprofit Management

216 Haviland Hall
Phone: (510) 642-7066
mjaustin@berkeley.edu
**Summer 2011 Courses**

<table>
<thead>
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<th>Instructor</th>
<th>Units</th>
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<tr>
<td>SW 10</td>
<td>International Social Welfare</td>
<td>Fitzgerald, Samantha</td>
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<td>SW 107</td>
<td>Grant Writing</td>
<td>Klein, Kim</td>
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<td>SW 110</td>
<td>Introductory Core Class</td>
<td>Stone, Susan</td>
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<td>SW 112</td>
<td>Policy Core Class</td>
<td>Ferguson, Charlie</td>
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<tr>
<td>SW 112.2</td>
<td>Discussion</td>
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**SW 107: Grant Writing**

**Instructor:** Kim Klein  
**Units:** 3  
**Time:** M/W 12:00 Noon - 3:00 PM  
**Location:** 5 Haviland

This course will look at the field of philanthropy and the relationship between program planning and grant writing. The class will meet weekly and will include lecture, discussion, guest speakers and a team project. In small groups, students will write a full human services program funding proposal suitable for submission to a philanthropic foundation. The proposal will be presented to the class for peer review. There will be four written
Law School: Realtime Shuttle

Next Shuttle

From Boalt Hall

No more shuttles today.

From 2850 Telegraph

No more shuttles today.

Full Schedule

From Boalt Hall

7:50 am
8:20 am
Summer Session Courses

AFRICAM 299 P 009 IND (10305)
Enrollment: 0/5
Waitlist: 0/5
You are within deadline to add this course (Session D).
Fall Program For Freshmen

Prospective Students
Current Students
Alumni
Contact FPF
Frequently Asked Questions

About FPF

FPF was developed to meet the needs of freshmen undergraduate students who have been admitted to UC Berkeley (Cal) for the spring semester. FPF is administered by UC Berkeley Extension, the continuing education branch of the University of California, Berkeley.

FPF offers a fall semester curriculum of UC Berkeley–approved courses that meet UC graduation requirements and are taught by instructors approved by the UC Berkeley Academic Senate. Since 1983, FPF has prepared more than 10,000 Cal students for success. Our students include undergraduates admitted to Cal's...
Admissions: MyBerkeleyApp

Welcome to Cal, Bill!
Here are your upcoming action items.

Next Steps

- Due May 6
  Apply for Housing
- Due June 15
  Register for CalSO (Orientation)
- Due June 30
  Create Calmail account
- Due July 15
  Send Transcripts

Welcome to Cal, Bill!
You've completed 50% of your checklist

Checklist

- Due May 1
  Submit SIR (Intent to Register)
- Due May 1
  Pay SIR Fee
- Due May 1
  Submit SLR (Legal Residence)
- Due May 1
  Apply for Housing
- Due June 15
  Register for CalSO (Orientation)
Next Workshop & Contest

- Date: Late 2011
- MWF contest: iPad 2 give away
- Still brainstorm format of the contest
Providing Developer Tools
Decorators and Standards for the Mobile Web
UCSD’s Self-Service Tools

• Self-Service Developer Toolbox ([link](#))
  – Step-by-step instructions
  – Sample Code and “Kitchen Sink” Application
  – Mobile “Decorator”
  – SLA, Governance, and Client Agreement

• Communication via UXT mailing list

• QA and UI Review Services
Beyond the Institution

growing a collaborative cross-campus initiative
Thank you for listening.