Advisory Committee for Information Technology  
Meeting Notes

Meeting Date: 5/22/14  
Time: 9:30-11:00AM  
Location: 212 KERR HALL

Attendees:  

Guests:  
VCR Scott Brandt, Mark Cianca

Office of Research update [S. Brandt]
Office of Research (OR) is in the process of converting to Cayuse, a cloud based research suite used by the majority of UC campuses, which will replace the Filemaker database they currently use. Its capabilities include being able to transfer to ENS systems, integrate with FIS and Banner, and it comes with a budget builder. PI can do draft budgets and submit. It will take approximately seven months to implement.

OR is currently doing more research development, as well as drawing in Silicon Valley Initiatives.

Mobile Apps [P. McMillan]
See Page 2-16 for details.

UCPath update [M. Doyle/M. Cianca]
Effectively complete with design phase. There is still local development work to be done, but first phase is complete. The next step is moving into delivery.

UCOP Project Leads are visiting campuses to make sure there is a linking to central plans. There is an ongoing conversation of who goes next after first wave goes live. Other campuses are getting more engaged. UCOP conversion has begun and is going well.

All 60 future state processes had blockers, i.e. missing reports, lack of info. The Steering Committee has been taking reviews surfaced at summits and making recommendations.

Next step after approvals of FSPD (Future State Process Designs) is to make sure system design and case management tool are configured correctly and that software reflects FSPD. Another summit will be held in June.

Barn cam [D. Sonnenberg]
See Page 17-23 for details.

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Next meeting: Tuesday, June 17 10:30AM-12PM 212 Kerr Hall
Mobile Apps

Peter McMillan
Two Apps to Release

- Campus Maps (updated)
- Dining App
Campus Maps

- Mobile first approach - thumbs first
- Plugs into ITS mobile strategy
Maps History

• 2001 - 2010 static pages via Dreamweaver
  • print focus

• 2010 - 2013 interactive map via Drupal 6
  • interactive, designed for desktop users
  • campus themed, cloud hosted

• 2014 mobile design via Drupal 7
  • re-use of map data for various apps (Dining App)
Map Styling

• Data is opinionated

• data hiding - by default OSM shows everything

• Reduce some of the visual noise

• Work with a color palette

• Style rules can be re-purposed for other maps

• walking, parking, historical, housing, site specific, etc.
Map Styling

• Twitter Bootstrap v3 theme (black and white)

• Responsive menu

• Adjusts to viewport sizes (phones, tablets, desktops, digital signage) without recoding

• Mobile first - e.g., one hand, thumb vs desktop and mouse

• At larger viewport sizes, increase information density
The Tech Stack

- OpenStreetMap - data
- PostgreSQL & PostGIS - database
- TileMill - styling of map data
- MapBox - cloud hosting of styled map tiles
- Drupal - maps data management
Dev Site

- http://maps-dev-d7.ucsc.edu
Dining App Approach

- Mobile first

- Web (HTML5)

- Modern dev tools
  - yeoman, bower, grunt, bootstrap, Leaflet, modernizr, etc.

- iOS and Android builds are possible but have support implications

- Microsite approach
  - Use some of Dining's content for this app
Dining App Features

- Food Locations - inclusive
- Food Community - social
- Food Events - social
- What’s Open? - locative
  - location
  - menu
  - hours
Dev Process

• Peter scaffolded app based on Dining’s needs

• Hired 4 ResNet students
  • tear it down and rebuild it by and for students

• Client interactions and sign off

  • Students are working with Dining and Housing, ITS sys admins for experience
Dev Site

• http://peterm.ucsc.edu/dining-app
Future Features

• Transit and Shuttle integration
• Route mapping A to B
• iOS / Android versions
• Building Addresses
• Ties to other mobile apps
Mobile Strategy Challenges

• We’re starting to see more iOS and Android apps appear using content pulled from our servers

• I’ve met with students to understand their approach

• Some want to publish on their own, others want to join our efforts

• We’ll need to understand how to balance, accept, influence apps as this grows
Barn Cam

CASFS Reconstructed 19th Century Timber Framed Barn
The Barn is the largest timber framed structure still standing west of the Mississippi.
A $5 million gift from the Webster Foundation supports the reconstruction
The barn was deconstructed and the useable siding and timbers will be used to the greatest extent possible.
A specially designed IP construction monitoring camera will be used to record the reconstruction from start to finish with time lapse capability.

Time lapse video of the reconstruction will be available as an interpretive artifact once the barn has been completed.
Current plan for video stream will make use of a bidirectional antennae.

Camera will be attached to blacksmith shop (these are workers cabins).

Barn G, PP & C
Questions?

Golden Eagle lives near the barn