OIT Newark Presentation
myRutgers Portal & Mobile Apps

November 7, 2012
Agenda

• myRutgers Portal
  • Overview
  • Student Perspective
  • Faculty/Staff Perspective
  • Mobile Version
  • Newark Integration

• Mobile Applications
  • Overview
  • Mobile Friendly vs. Mobile Apps
  • Rutgers Mobile App
  • Newark Integration
myRutgers Portal Overview

• University Portal, established in 2003 (student focus initially).

• Secure, personalized & customizable, ‘one-stop shopping’ for online services. Allows for single signon.

• Newark access accounts for approximately 8% of total.

• Over last 7 months, of 8 million logins, 622K were Newark.

• Since Sept. 1 this year, 200,000 logins from Newark

• Over 100 channels of content and applications.

• Mobile phone version of myRutgers implemented in early 2011.
Student Perspective

Newark students are presented University wide & Newark specific content & applications

Student channel highlights:

Newark Users:
- Newark Law Library
- Blackboard link
- Buses/Shuttles, Dining Menu, Recreation*, Enrollment Status* (for Newark)

General Users:
- Email, Calendar, Rutgers Today
- Grades, Gradebook, Course Offerings, Course Schedule

* new and in-progress
Faculty and Staff Perspective

Newark faculty and staff are presented University wide & Newark specific content & applications.

Faculty & Staff channels:
- REGIS
- Course Schedule Planner
  - For Advisors
- Schedule of Classes
- Degree Navigator
  - For Advisors
- Grade Changes
‘My Alerts’ Feature

Targeted alerts to specific users & groups.
• Financial holds
• Immunization reminders
• Overdue library materials
• Others from departments

Users can:
• View new active alerts immediately after login to myRutgers.
• Acknowledge & view alerts
• View alert history
• Receive notification via email asking users to login to myRutgers to view alert details.
‘Announcements’ Feature

Announcements by topic:

• Topic title & description
• Offer Public RSS
• Topic subscription method
  • required/optional
• Topic target audience by roles & group (e.g. staff, user in specific school codes)
• Topics administered by specific users & groups

Announcement details:

• Title/Short Descr/Message
• Start/Stop display dates
• Each announcement can be Shown or Taken Down by topic admins
‘Employee Self Service’ Channel

View current & past paychecks

View & edit personal information:

• Home/Mailing Addresses
• Phone Numbers
• Emergency Contacts
• Personal Email Address
• Name Change

View other HR information:

• Review Direct Deposit info
• View/edit Federal and NJ State W-4 Tax info
• Review benefits & dependent health care summaries
Examples of Campus Specific Portal Content

Existing Channel Content
- Camden Announcements
- Gradebook (SAS) & Sakai
- Campus Publications
- Dining Menu (NB)
- Recreation Facilities Info (NB)*
- Email (full client)
- Housing Info
- Parking & Transportation

Newark Possibilities
- Newark Announcements
- Blackboard integration
- Campus Publications (Nwk)
- Dining Menu (Nwk)
- Recreation Facilities Info (Nwk)*
- Email (preview > full client)
- Enrollment Status*

* new and in-progress
myRutgers Mobile Phone Version

- myRutgers URL [https://my.rutgers.edu](https://my.rutgers.edu) same for mobile phones & computer browsers.

- Mobile version shows by default on phones, but users can switch between Mobile version and computer browser version.

- Shows list for navigation instead of tabs.

- Mobile friendly implementation of myRutgers available since early 2011.

- Additional mobile features coming in future versions of myRutgers portal.
Newark Portal Integration

• Identify possible applications and content your department, school, or project would like to integrate into myRutgers (even if you’re not sure how to integrate). Determine target audience (faculty, staff, students, etc.)

• Contact OIT ESS myRutgers team at myrutgers@ess.rutgers.edu to work with your team on implementation. Visit us at http://ess.rutgers.edu/myrutgers for more info about myRutgers Portal.

• Efforts for development in myRutgers portal and native mobile applications need not be separate efforts but complimentary. Same data feed can be used for both: example a new channel for Recreation is in-progress with schedules, news & events.
Mobile Definitions

- **Mobile Aware Web Pages (Mobile Friendly)**
  - Use of mobile devices to browse on mobile aware sites
  - Examples: CNN, ESPN, Twitter, Mobile Web OSP, Student Life-NB, Sakai, myRutgers Portal

- **Native Mobile Applications**
  - Native App: “App Store,” “Play Market,” etc. computer programs
  - Examples: CNN (including location-awareness and video), ESPN (especially radio and scores), Rutgers Mobile App

- **Best-in-breed architectures coordinate both approaches**
  - When you get a stock quote from Yahoo!, it doesn't matter if it's on an Android or Internet Explorer, because they share the same data channel
  - Data Feeds for channels can be used by both the Rutgers Mobile App and myRutgers portal
Why are Mobile Apps and Mobile Aware Web Pages needed?

• Modern features may not display gracefully
  – Device size, Fonts, User Interface

• Bandwidth
  – Latency/speed, Number of Images and Text

• Navigation concerns
  – “Mouseover”, double click
  – “Desktop-like” experience

• Flash, Java, video formats, audio formats
Native Mobile App: Use Cases

• Some Fits for Native Mobile Applications
  – Information that is useful “on the go”: time-sensitive, geographic, etc.
  – Extremely concise information: summary weather forecast, headlines
  – If your information fits on a small form factor display (~4 sentences)

• Some Fits for Normal Web Pages
  – Full-length text: lengthy brochures, academic materials, etc.
  – Complex interactions: information dissemination is the main native case
    • Complex data entry (keyboard, etc.)
Native Mobile Application Benefits/Examples

- Full Native Experience
  - The user made a purchase decision; they feel investment and familiarity
  - Avoid the Web Use Flow
    - Tapping in a URI can be difficult on touch screens
    - User-configurable options, saved to device
  - Ease of use
  - Optimized for mobile connections
    - Mobile web has to load every icon, every background, every word
    - Native may use device storage (FAST!)
OIT Mobile Support Summary

• Mobile Aware Web Page Development
  – Existing University web developers are encouraged to enhance and/or upgrade their sites (UR and OIT joint effort)

• Native Application Development
  – Many units lack departmental native application systems programming resources. As an emerging specialty, mobile skills demand a premium.
  – OIT codes the Rutgers Mobile App as a central service
  – Content is the responsibility of the content provider
  – UR and OIT joint effort

• Facilitate discussion of offerings, best practices, etc.
Rutgers Mobile App

- Content Provider Model
  - OIT handles coding, contracts, on-device QA, etc. for the central offering
  - All channels benefit from technology such as a native interface, on-device cache, home screen choices, preferred campus, etc.
  - Channels are designed by direct conversation between OIT and the content provider to ensure “good mobile fit”
OIT Native Application: User Profile

Please choose the campus you are most interested in. The selected campus will be given preferential placement on your displays. You may change your preferences at any time.

- New Brunswick
- Camden
- Newark
- Other

Events

- RU Events
- Student Life (NB)
- Career Services (NB)
OIT Native Application: Dining Menus

Camden
- Gateway Cafe

New Brunswick
- Brower Commons
- Busch Dining Hall
- Neilson Dining Hall
- Livingston Dining Commons

Newark
- Stonsby Commons & Eatery

Breakfast (7/25)

Breakfast Meats
- Grilled Turkey Sausage Links
- Pork Roll
- Vegetarian Sausage Patties

Breakfast Entrees
- French Toast
- Hard Boiled Eggs
- Oatmeal
- Scrambled Eggs
Currently Available Products and Resources

• Rutgers Mobile Aware Web Page development
  – University Relations entry page: http://ur.rutgers.edu

• Rutgers Mobile App
  – Available in the App Store (iOS) and the Play Store (Android)
  – Usage Stats: over 12,500 downloads in Apple Store and 5,000 Android
  – http://oss.rutgers.edu/mobile (contact info)

• Rutgers Mobile App Team: local OIT staff or “Feedback”
  – Discuss “best fits” from technical and best practices perspectives
  – Begin development of Rutgers Mobile App channels, in conjunction with content provider’s communication and technical staff

• Future Possibilities: Newark Shuttle Info, Grades, Quick Course Info, Building/Maps/Directions, Other Newark specific channels