Context-aware Activity Notification System

v. 1.5.3
from 30,000 feet
Producers & Consumers
CANS -- today (almost)
CANS -- tomorrow

CANS

MOODLE

SAKAI

OTHER (?)

CELL PHONES

DESKTOP WIDGETS

SAKAI

EMAIL DIGESTS

GOOGLE MAPS
The Origin of CANS

Social Context

Sakai
Sakai Sites
Sakai Tools
Sakai Artifacts
Sakai Users
The Origin of CANS

Activity Discovery

Users need to know about activity occurring in their Social Contexts

When they’re INSIDE and OUTSIDE of those Contexts

Different actions have different priorities based on current Context
The Origin of CANS

Trends in Activity

Event Histories

activity visualization

Notification Histories

notification effect visualization
The Origin of CANS

Notification Customization

Administrators

Instructors

Students
CANS Diagram

SAKAI

CANS

DESKTOP WIDGETS

SAKAI

EMAIL DIGESTS
CANS Diagram

Sakai

Context

CANS WatchDogService

CANS Wizard

CANS Server

Event Database

Subscription Database

Notification Database

CANS Desktop Widget

v. 1.5.3
Sakai Events

Announcement
- new
- read
- revise
- delete

Assignment
- new
- read
- revise
- submit
- grade
- delete

Chat
- new
- read
- revise
- delete

JForum
- new
- read
- revise
- delete

Resources
- new
- read
- revise
- delete

Wiki
- new
- read
- revise
- delete

User
- login
- logout
- pres.begin

Discussion

Help

News

Syllabus

Schedule

Dropbox

Gradebook

Message Center

Test and Quizzes

Post’Em

Synoptic

CANS Diagram

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CANS Desktop Widget
Event Attributes

- Environment ID
- Context ID
- Context Name
- Context Type
- Author’s Session ID
- Author’s IP Address
- Author’s Name
- Author’s Email Address
- Event Action
- Event Tool
- Event Object
- Event URL
- Event Date
CANS Diagram

Sakai

Context

CANS WatchDogService

CANS Server

Event Database

Subscription Database

Notification Database

CANS Desktop Widget
CANS Diagram

Sakai

Context

event event event

CANS WatchDogService

CANS Server

Event Database

Subscription Database

Notification Database

CANS Desktop Widget
FIPSE Development Plan

Year 1

CANS Wizard

Enhanced Email Digest

Desktop Widgets
FIPSE Development Plan

Year 2

Sakai Notification Tools

Geographic Awareness

Cell Phones
FIPSE Development Plan

Year 3

Who Knows?
http://www.cansaware.com