Developing Community Mobility Applications

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Janastu
“Let it be.. people”

Non-profit organization providing open source information solutions for community development & to the organizations involved in the social development sectors.

The mission of Janastu is to “e-nable” the social development sector to manage their community-based knowledge.
Janastu provides its community tool builder Pantoto to:

Enable people and organizations to access ICT for information gathering and networking.

Network and support NGOs in using ICT to build and strengthen linkages between grassroots and other stakeholder institutions.

To help create a participatory platform for governance that will encourage transparency and accountability.
Projects

- Online Resource Center for Solidarity and Action Against The HIV Infection in India (SAATHII) – http://pantoto.org/saathii


- PAN Asia ICT R&D grant for integrating a GIS/Mapping solution system in the Tsunami Knowledge Center portal - http://tsunamiindia.org/

- Shramik http://shramik.org/; CHIREC public school – intranet
A school where the teachers have a need for various software applications:

* Admission process management,
* Library catalogues and checkout information
* Personnel office that caters to students/teachers/parents
* Web-site management

All of which can be build by themselves, say using Pantoto.
Mobility

*Power Lunch*

**Push**
(notifications)

**Pull**
(status)

**Interaction**
(browse)
Application Framework

Predictive behavior
(social and personal statistics)

Essence Cache
(APIs mine/capture commonality)

Define Styles
(Situational style for situational apps)
Available Support

SMS-gateway

email-gateway

SMPP

Embedded Apps

Browsers
Multi Media

Voice forms
(VoiceXML)

Video pulls
(social clipping)
Sessions

Signin
Secure-signin

Order of messages
Continuity
Disconnection

SMS versus GPRS
Wifi/Bluetooth Sharing/Serving
Trusted networks and identity management
SMS

GSM Mobile started, CDMA wireless followed.

SMS message 140 bytes (1120 bits) of data.
160 characters if 7-bit character.
70 characters if 16-bit Unicode.

100% GSM mobile phones.
Almost all wireless carriers plans.
Inexpensive SMS messaging service.
Can be Sent to an Offline Mobile Phone.
SMS Social Application

Me: meeting 10AM Wed?

Aditi: OK.

Sapana: Conflict. 11:30 Wed?
TeXtyles

tsms texting

css like styles

= AJAX like interactions
Sample Session

< help admissions
> send admission app date
| send admission approvals
num
< send admission app today
> 7
< send admission approvals list
>_306 ramappa
_308 shamappa
_310 hanumappa
_314 iramma
>_325 samappa
_336 singamappa
_337 bomramappa
also 6 appl pending
and 17 appl rejected
< send admission show
_323
>_323 Sundravva
Appl 27 Dec
Entrance score 140 (149)
Pending (no show)
TeXtyle Session

< help admissions
Screen0:
> send admission app date
  | send admission approvals num

< send admission app today
Screen1:
7 approved admissions today

< [list]
Screen2:
_306 ramappa
_308 shamappa
_310 hanumappa
_314 iramma
_325 samappa

Note:
Also 6 applications pending and 17 applications rejected
< [show _323]
>
Screen 3:
_323 Sundravva
Applied on 27 Dec
Entrance score 140 (Need 149)
Pending, revisited based on no shows
Shifting Positions

Standards

Indigenous Improvisations

Availability
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