

Local-i

Duck Tape Solutions

Charlotte Torres Piñeiro

Xabriel J. Collazo Mojica

Ricardo Tirado Negrón

Jaime Vázquez Mendoza

Rubén Rodríguez Pérez



Schedule

- Motivation
- What is Local-i?
- Architecture
- Web Community Prototype
- Device Prototype
- Limitations
- Problems Encountered
- Future Work
- Conclusion
- Acknowledgement



Motivation

- Awareness
 - Case I – John & Jane Doe
 - Case II – The Tourist
- Problem
 - Too much information
 - Focused towards a wide audience
 - Limited interaction with the community



photo: Lisa F. Young

Images provided from Google

What is Local-i?

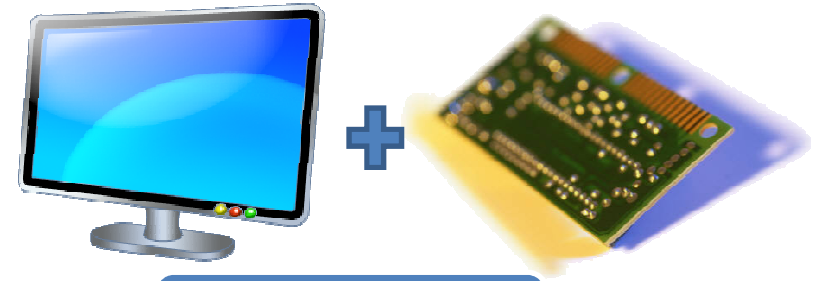
- Local-i is a means designed to provide content and visual news to the general user relevant to their local area.



Architecture



Data Entry



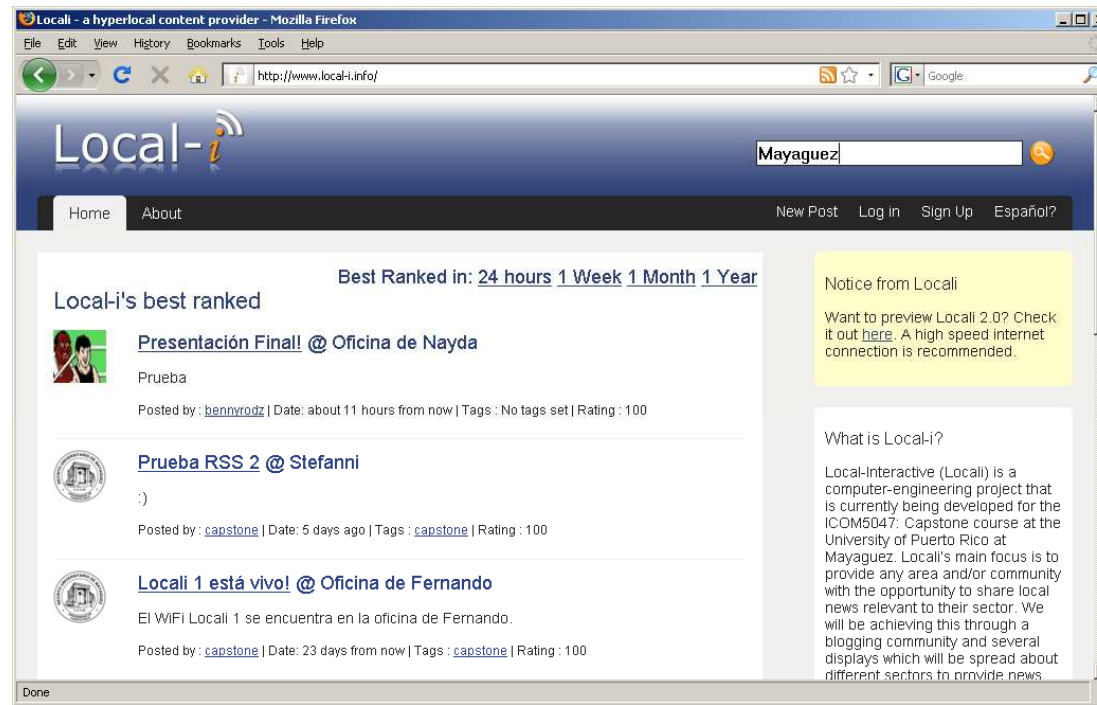
User device

Local-i
Community

Router



Web Community Prototype



- Best ranked posts
- Best ranked based on location
- Details one click away



Web Community Prototype

- Web users collaborate with news and events
- ‘Geo-localization’ of submissions with a simple interface



Locali - a hyperlocal content provider - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.local-i.info/posts/new

New Post

Title

Name of the event. (Ex. Locali's Beta Test Launch!)

Body

If you want to be more specific, you can do so here.

Date:
2009 May 1 00:00
When will/did this event take place?

Location Name

What is the name of the place?

Location

Map Satellite Hybrid

Done

Device prototype



Limitations

- LCD
 - Number of characters
- Wi-Fi Module
 - Simulating 3G technology
- Router
 - Signal Strength
 - Localization methods



Problems Encountered

- Wi-Fi module
 - Documentation
 - Technical support
 - Damaged module
 - Noise in data lines
- Server device configuration
- Budget deviation was 10%
 - Estimated: \$59,700
 - Total: \$66,053.32



Future Work

- Extend to Emerging Mobile Technologies
 - Cell phones
 - Text messages
 - Smart Phones / PDAs
 - Leverage Rich-content interface



Conclusion

- Original Problems
 - Too much information
 - Focused towards a wide audience
 - Limited interaction with the community
- Local-i's Solutions
 - Alternative form of news media
 - Provide Hyper-local content
 - Break technology gap



Acknowledgments

- Pablo Rebollo
- Prof. Kejie Lu
- Prof. Juan Suris
- Dani Santiago
- Héctor Lugo
- Rubén Ríos
- Martín Ramirez
- Local-i user “Quebo Chinche”



