

Issue Tracker for Public Administration

Codename: CitizenTalk

OpenHackEu @ Bucharest

Problem

- There is a lack of transparency between public administration and the civil society
- There is a lack of knowledge about existing problems
- There is a lack of feedback on how and when issues are handled
- Electoral campaigns seldom provide a list of things they've done in the past
- Citizens don't have an active role in sorting and reporting the issues that the public administration handles

Solution

- Track public administration issues like we are tracking issues in open source software
- 100% transparent & collaborative
- Filter bad behavior by karma
- Organize by location (hierarchical)
- Sort by votes

Type of Users

- Citizens
 - report, comment, close & vote on issues
 - some sort of karma system attached
 - no need for a clear identity as long as we don't get spam and issues get fixed
- Public administration employees / contractors
 - report, comment, close & vote on issues
 - represented as distinct group
 - should be able to extract reports
 - should be able to create vanity pages

Platform

- Web Application + Mobile Clients (android, iOS)
- Hierarchical geographical aware organization:
 - country -> city -> exact address
 - attach public administration employees to geographical areas (think about areas as project in FOSS)
 - election period = milestone = iteration
- Available under an open source license (ASF?)

Tech Suggestions

- pip, virtualenv, fabric
- git
- python, django, haystack, south
- html, css, js (jquery or yui)
- gunicorn, nginx
- sqlite (while building the early versions)
- postgresql, solr / elasticsearch
- ubuntu server 10.04 LTS
- rackspace cloud (512 ram should be enough for testing).
- local filesystem for photos (later maybe S3)

- vanilla django or pinax?

APIs

- yahoo maps
 - <http://developer.yahoo.com/maps/>
- yahoo place finder
 - <http://developer.yahoo.com/geo/placefinder/>
- yahoo Open ID (django social auth)
 - <http://developer.yahoo.com/openid/>
- maybe YQL
- maybe GOV data sources

MVP Features

we should be able to implement all the features at the event (cut everything nice-to-have)

- CRUD for issues (title, description, location)
- Issues attachments (photos, generic files)
- Search by location and issue attributes (dummy full-text) with drill-down capabilities
- votes & comments
- email notifications for all sort of events
- profiles and roles
- vanity pages for public administration and citizens (basic)
- good UX is critical
- simple karma

Team

- [Andrei Savu](#)
 - mostly backend stuff, weak on frontend
- [Catalin Dogaru](#)
 - excellent design and frontend skills
- [Andrei Bocan](#)
 - awesome pink (:p) web developer
- [Alex Morega](#)
 - strong python skills