GsyCBook – A simple social network

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Functionalities

GsycBook is a simple social network, which has features like:

- ✔ Facilities for getting in touch with your friends, but offering you the possibility of customizing your privacy.
- ✔ Use of external applications: from google gadgets, til customized applications which allows you to share information in a very interactive way: share your favourite cities, vote for your friends, etc.
- ✔ Intuitive and clean interface.
- ✔ Different skins.
- ✔ Facilities for system administration.
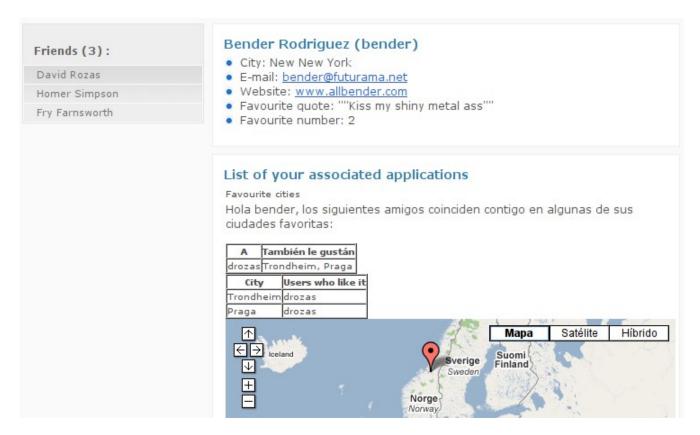
As an user, the main panel offers you the following options:

1) Add new friends, typing their nicknames.
2) Install external applications.
3) Control panel: change the skin, delete your profile, etc.
4) List of your your friends, and options to see his/her profile or delete your friendship.
5) List of people you have requested to be friend of, and list of people you have requested to be their friend of (last one it is not shown in this screenshot).
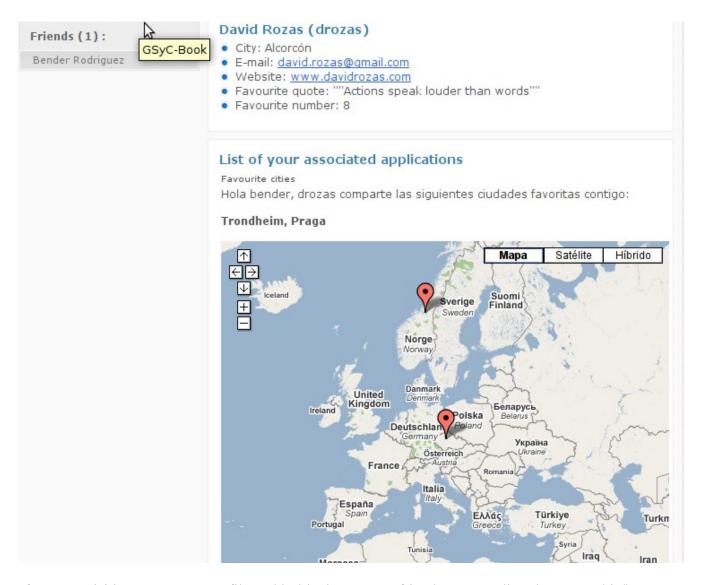
While you are logged in the system, you can always navigate to the main functionalities with the links on the right upper-corner:

Hi, Bender Rodriguez [Logout, My Profile, Main menu]

In your profile you can see your personal data, your applications, a list with your friends, etc:

The view of other people's profile it is similar, but if you have some applications in common (for instance, common favourite cities), the application will change with your and your friends data:
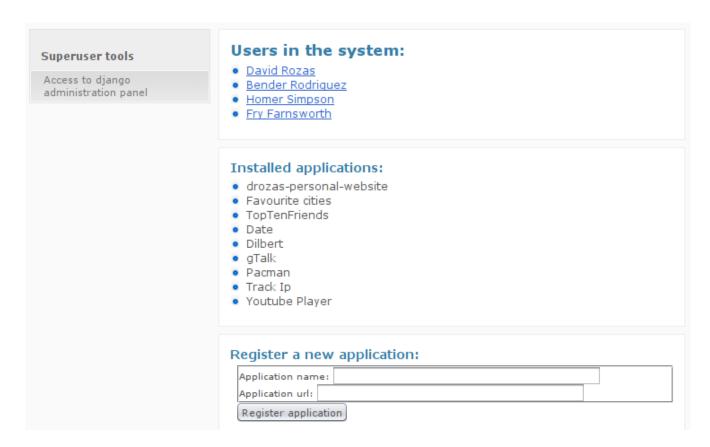
Friends (1):

Bender Rodriguez

GSyC-Book

David Rozas (drozas)
- City: Alcorcón
- E-mail: david.rozas@gmail.com
- Website: www.davidrozas.com
- Favourite quote: ""Actions speak louder than words""
- Favourite number: 8

List of your associated applications

Favourite cities

Hola bender, drozas comparte las siguientes ciudades favoritas contigo:

Trondheim, Praga

If you are visiting someone's profile and he/she is not your friend, you can directly request his/her friendship clicking on this link:

You do not have permissions to see this profile:
Click here to request friendship of Homer Simpson

For administrators, two different panels are offered. If you logged into the system normally, you can see the list of users and visit their profiles, you can see the current installed applications, you can install new ones, etc:

Superuser tools

Access to django
administration panel

Users in the system:
- David Rozas
- Bender Rodriguez
- Homer Simpson
- Fry Farnsworth

Installed applications:
- drozas-personal-website
- Favourite cities
- TopTenFriends
- Date
- Dilbert
- gTalk
- Pacman
- Track Ip
- Youtube Player

Register a new application:

Application name:
Application url:

Register application

But you can also use the django admnistration panel (clicking on the link on the right shown in the previous screenshot). It offers you a really flexible way to administrate the system:

Django administration

Site administration

Auth		
Groups	✚Add	✎Change
Users	✚Add	✎Change

Profiles		
Applications	✚Add	✎Change
Profiles	✚Add	✎Change

Recent Actions

My Actions

✎ Date (http://localhost/gadgets
/date)
Application
✎ Dilbert (http://localhost/gadgets
/dilbert)
Application
✎ gTalk (http://localhost/gadgets
/google_talk)
Application
✎ Pacman (http://localhost
/gadgets/pacman)

Advanced and extra features

Some of the advanced and extra features are:

- ➔ Strong relationship system: implemented with ManyToMany non symmetrical relationships.
- ➔ Different representations for the resources: xml, json, etc. and possibility of using feeds.
- ➔ Strong and coherent semantically management of errors.
- ➔ All the extra functionalities proposed in the practices:
  - ➔ Django administration panel.
  - ➔ UI for installing applications.
  - ➔ Alternative authentication methods.
  - ➔ Etc
- ➔ But also, others like
  - ➔ Use of HTTPBasic in order to protect the webservices
  - ➔ Administrator panel into the system.
  - ➔ Options for allowing an user to delete his/her account, deleting friendships, etc.
  - ➔ Favcities error management improvement.
  - ➔ Etc.

Most important difficulties

The biggest problem I had was with the implementation of HTTP Basic. I tried to use already made libraries, but I was not able to make work any of them. So finally, I created my own function based on one of them.
I had also some problems with all the functionalities related to REST, because there is a lack of documentation in the django_rest_interface project.

Conclusions

I am really satisfied with this practice. I am really eager about web applications and all the possibilities they offered, and I think I have learnt quite a lot because in this practice you really have to "get your hands dirty".
The only problem it is the lack of time, I would have wanted to do some more extra functionalities, but, as usual, I had a big workload during the whole semester, and you have to distribute the time between all the courses.