the social network

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Project Idea

Implement the basic features of a social network.

Features:

- Friends (obviously)
- Profile info
- Status updates
- Private messaging

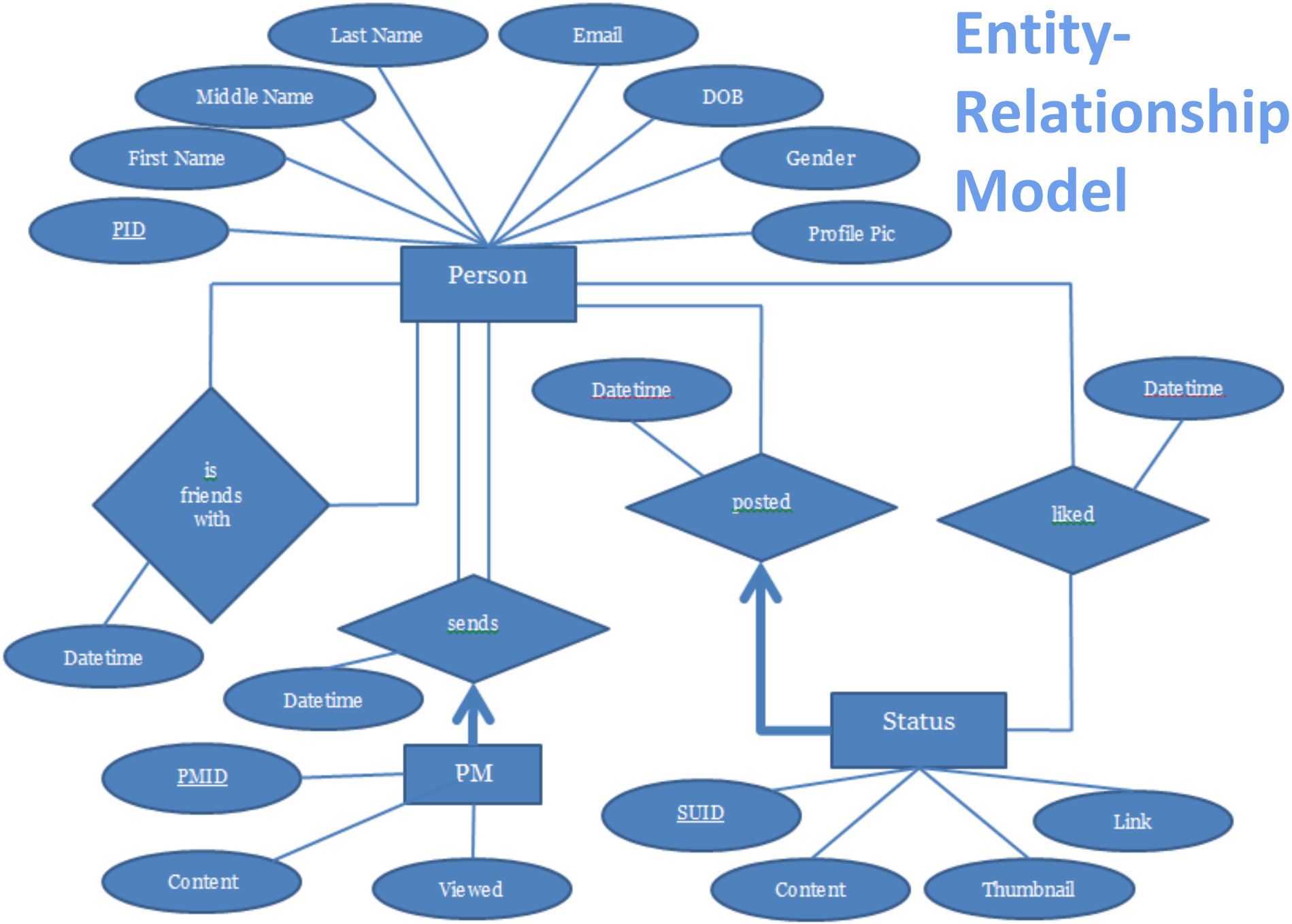
Reasoning

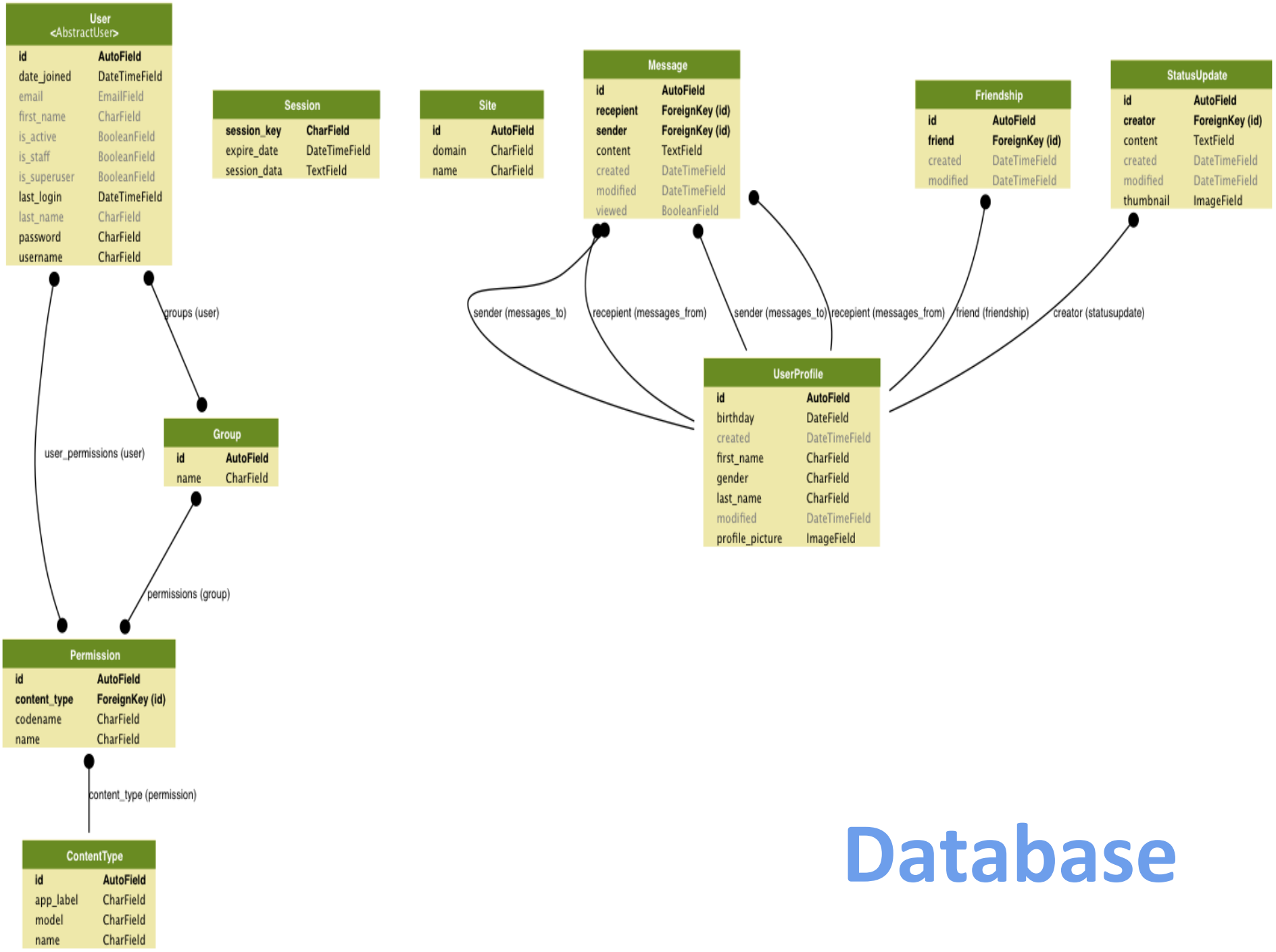
Social networks are database heavy, and they are pervasive.

Additional Interesting Topics:

- Scalability
- Security (SSL, XSS, etc.)
- Privacy
- National Security (NSA/Prism)
- and tons more...

Entity-Relationship Model




User
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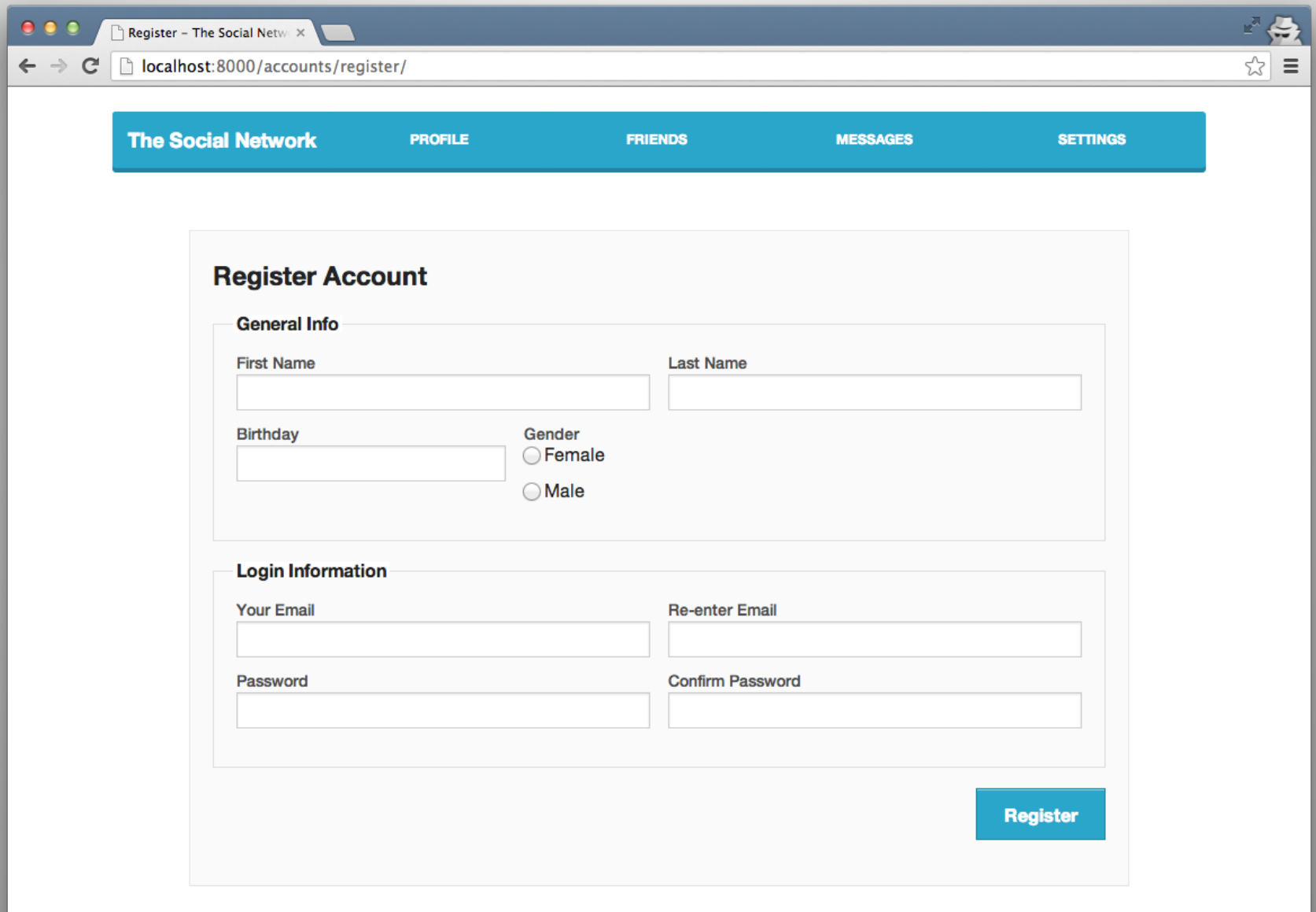
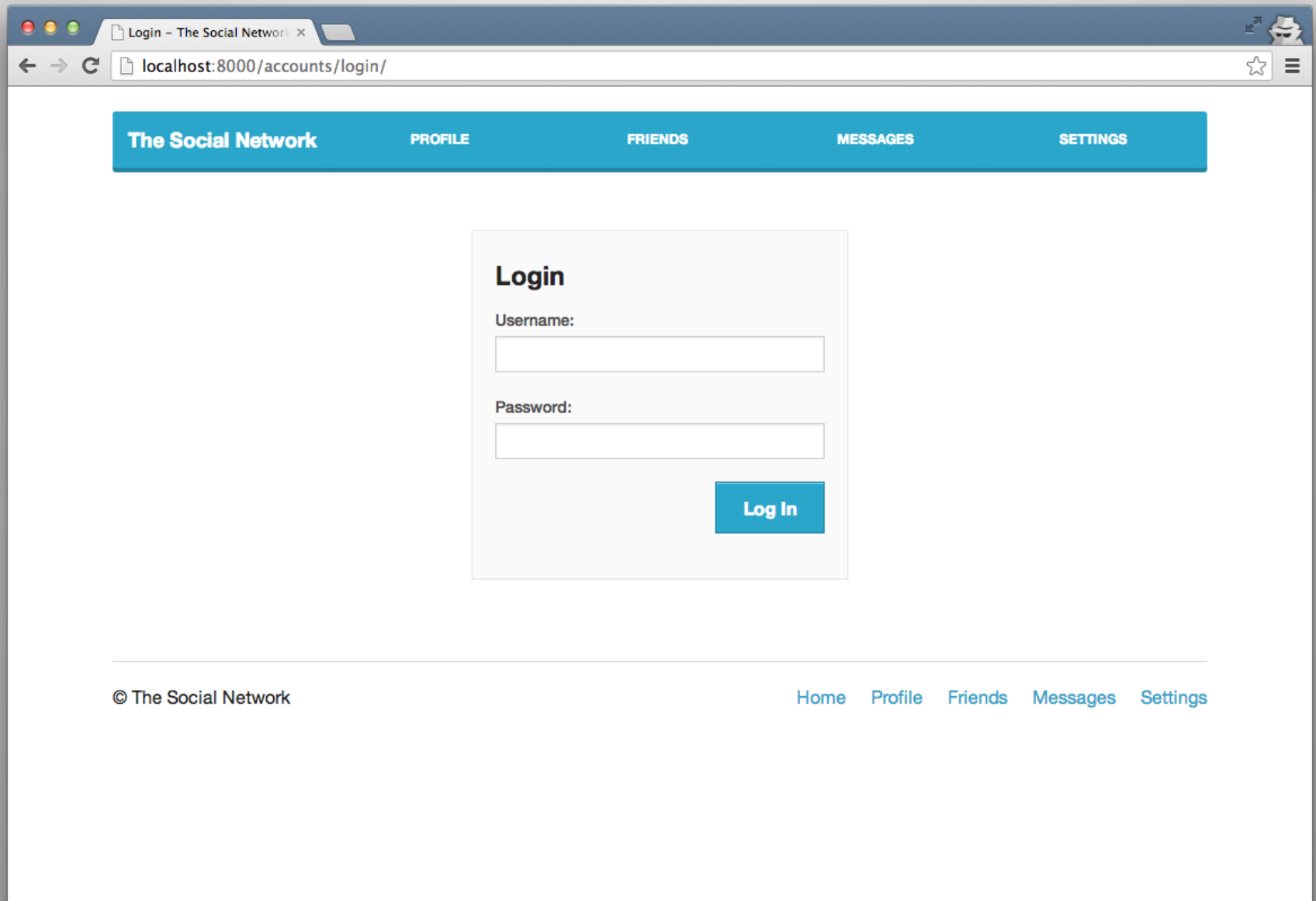
id AutoField
date_joined DateTimeField
email EmailField
first_name CharField
is_active BooleanField
is_staff BooleanField
is_superuser BooleanField
last_login DateTimeField
last_name CharField
password CharField
username CharField
Session
session_key CharField
expire_date DateTimeField
session_data TextField
Site
id AutoField
domain CharField
name CharField
Message
id AutoField
recepient ForeignKey (id)
sender ForeignKey (id)
content TextField
created DateTimeField
modified DateTimeField
viewed BooleanField
Friendship
id AutoField
friend ForeignKey (id)
created DateTimeField
modified DateTimeField
StatusUpdate
id AutoField
creator ForeignKey (id)
content TextField
created DateTimeField
modified DateTimeField
thumbnail ImageField
groups (user)
user_permissions (user)
Group
id AutoField
name CharField
permissions (group)
sender (messages_to)
recepient (messages_from)
sender (messages_to)
recepient (messages_from)
friend (friendship)
creator (statusupdate)
UserProfile
id AutoField
birthday DateField
created DateTimeField
first_name CharField
gender CharField
last_name CharField
modified DateTimeField
profile_picture ImageField
Permission
id AutoField
content_type ForeignKey (id)
codename CharField
name CharField
content_type (permission)
ContentType
id AutoField
app_label CharField
model CharField
name CharField
Database

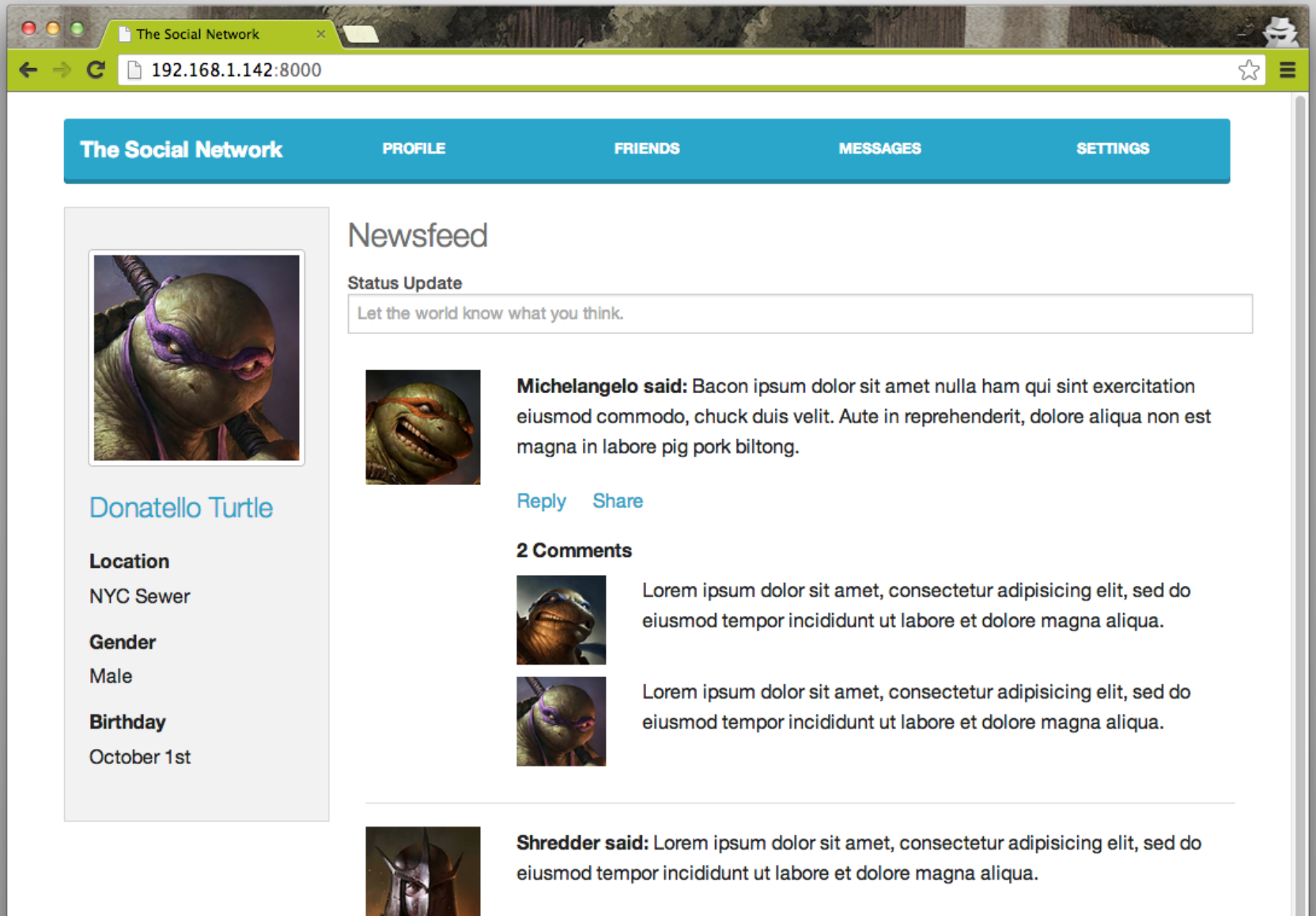
User Interface: User Registration



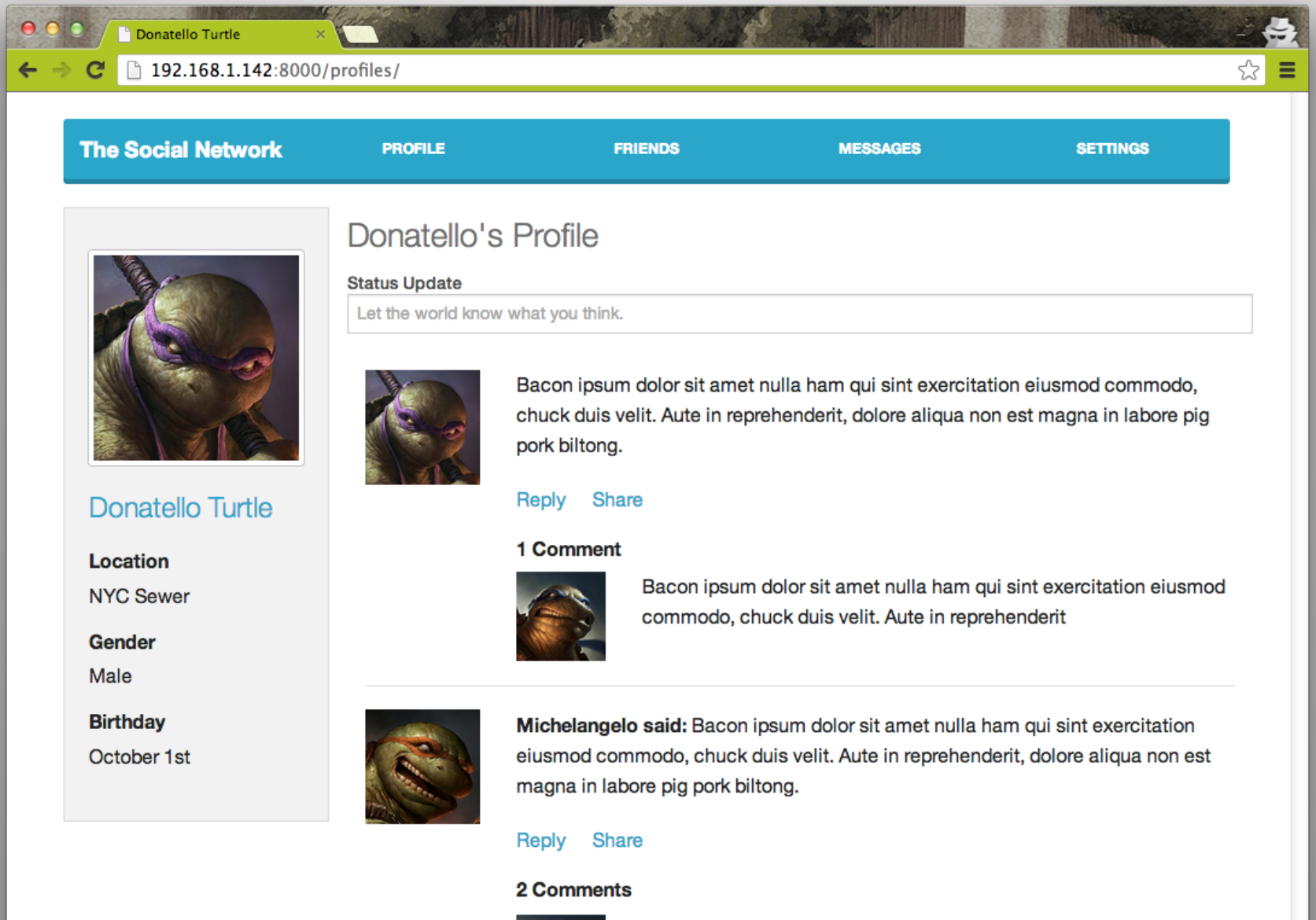
User Interface: User Login



User Interface: News Feed



User Interface: User Profile



Tools & Technologies Used

Back End:

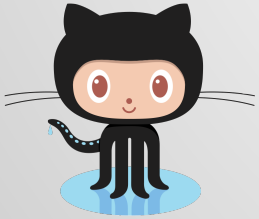
1. Django 1.5
2. SQLite

Overview:

1. Python 2.7
2. SQL
3. JavaScript
4. Amazon Web Services

Front End:

1. Zurb Foundation
2. jQuery



Fork Us!

https://github.com/sreisner/socialnetwork

Questions? =]