Smart Neighbourhood v0.3

This is our proposal of a canonical systems requirements specification from the proposal (smart neighbourhood).

For the **knowledge base** the plan OPF model is as follows

O	P	F
Yellow Pages (utility details) Blog (Knowledge blog) Rating on blog and contact details Forum (Q & A)	Verifiable contact details (by admin) Comments in blogs and forum Tags on forum and blogs (on the fly) Contact Details Banning (by admin permission) Complaints Page	No more than 1 rating by a user on an account

Assumptions taken are –

1. Need for multiple admins (at least one of them needs to be active)
2. Constraints on contact details (cannot put contact details without phone numbers)
3. Admins can change on fly
4. All photos, videos can be embedded

For **User Accounts**, everyone is given a registration page in which they have to enter their address (door number, street name (depending on how big the community is)), name, age, gender, and their role in the community. A dropdown menu will be given and they can choose their role eg. Community member, Admin, Office Bearer, etc. The account can be created using existing details of facebook/google/twitter.

The account cannot be created directly and it has to be accepted by at least one of the existing member of the community. If the person claims to be something other than the community member like office bearer, etc. then the account has to be verified by the admin, before that person can use the portal.

There is also an option for an inactive flag, where if a user has not used the portal for more than some amount of time (say 3 months), the flag goes active.

Also there is an option for "**report abuse**", if the person is not part of the community anymore or if the person is harassing the other, then by admin verification, their account can be deleted.

Taking account into privacy, people have to just show their name in their profile, and other things are optional.

Announcements – This is a page where the user / admin can make announcements regarding the decision taken or needs. The admin can pin important announcements also. Anyone can report abuse for inappropriate contents which would be reviewed by admin.

Complaints – This portal allows users to report actionable complaints related to the community. Anyone can report abuse for inappropriate contents which would be reviewed by admin.

Other features –

We can include google maps for contact details, BBC news feed in a separate section, linking people's social media accounts to their smart neighbourhood portal.

The **timeline page** will be the first page to open when the user logs in. The timeline will have the recent posts as well as the pinned posts by the admin or any forum/blog/news which the admin considers is very important for the users of the community at a certain point of time. The decision centre's post is given higher priority than forums and blogs.

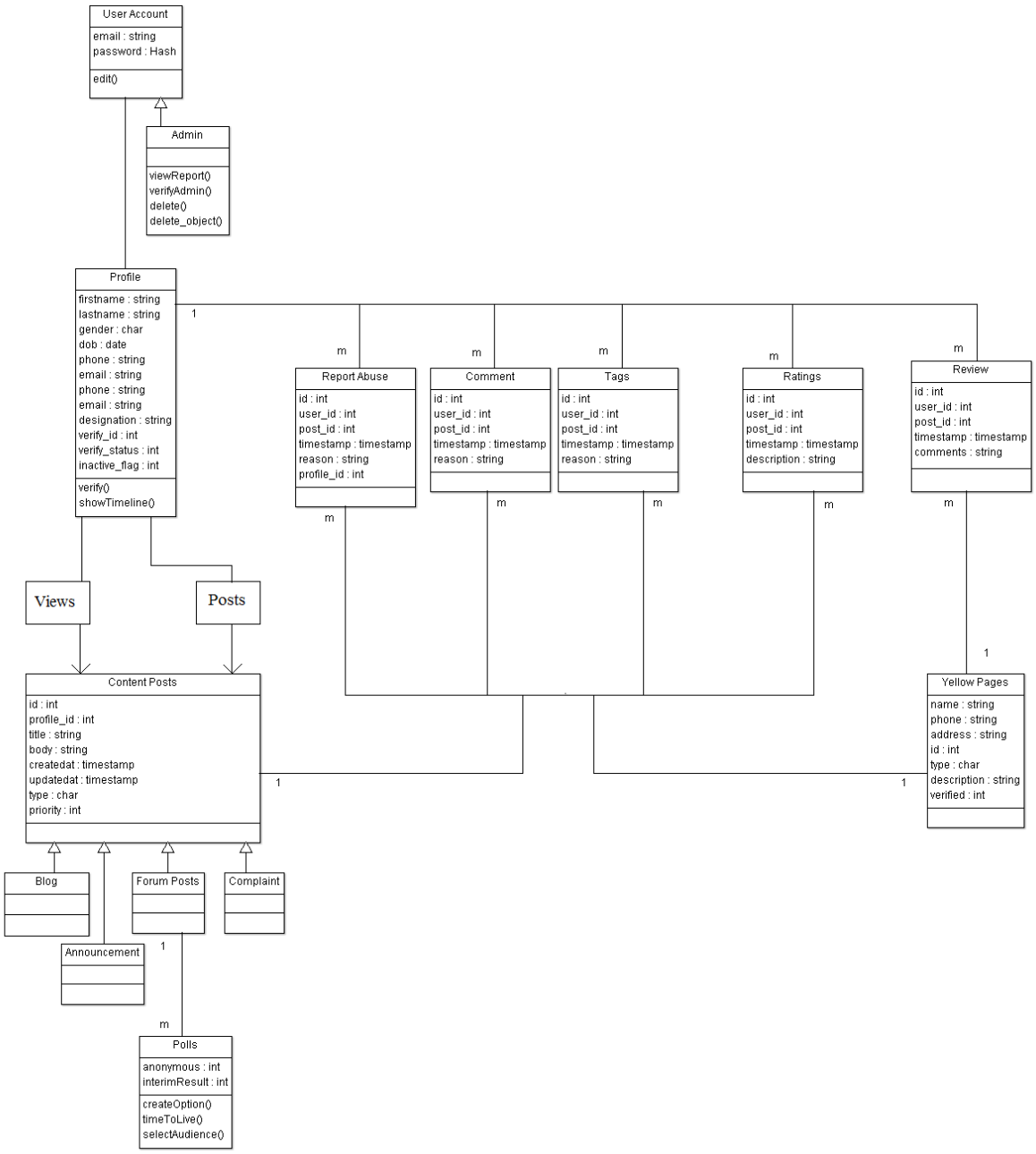
The admin will have another page where his intervention is required to solve the issue. Like accepting a user, verifying the account, etc.

For the **Collective Decision Centre** the OPF model is as follows

O	P	F
Votes (single option or multiple option) Anonymous voting or non-anonymous voting Interim or non-interim votes Restricted or non-restricted voting access	Various thresholds (time, % of users) Report abuse on a decision (if the question is abusive) Post pinning by the admin Commenting	More than one vote per user

The decision on the decision centre is taken on the basis of forum posts. After discussing in forum style, the community member who posted the original question, can edit the first post to include multiple polls.

UML Diagram:



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