Frog Pond REST API:

What is Frog Pond?

"Don't just consume culture, *create* culture." - Terence Mckenna. Frog Pond is an ego-transcending social media application, and experiment to see what happens when people are given an interface through which they can anonymously discuss topics of their choosing with other anonymous users within geographic proximity. It will serve as a playground where people can collaboratively entertain ideas without having their identities connected to the discourse. The end user will use a client app (mobile or desktop web browser) to select some tags (topics) which they are interested in and a geographic distance defining the range within which to search for posts.

The storage of user data and posts will be distributed, so there will be many servers; the client will connect to the closest one.

What is unique about this app is that users can filter which posts they see by geographical distance and a set of "tags". A tag is just a topic to which a post is related. The obvious advantage of this is that a post can have as many tags as it needs, whereas a reddit post for example is only "in" one subreddit. Users also have the option of posting anonymously, or rather, they have the option of establishing an identity, while anonymity is the default behavior.

To keep with the aesthetic of the app, posts are actually referred to as "croaks", because the idea is that people are frogs hangin' out and croakin' at the local pond. The most basic form of a croak is a text post. It can also be a file (of any type), or a file with some text. And in the future, event croaks will probably be implemented.

The goal of this app is to get the people within a community to talk to each other about matters of import. It is supposed to be an implementation of social media which is up-to-date with current technologies and what is possible. It is to accept the fact that we have dug ourselves into a hole with the internet by making too many "webpages" which have ended up being cluttered with advertisements, meaningless chatter, and irrelevant/inconsistent UI components, and an attempt to dig ourselves out of that hole by implementing the bare-bones infrastructure of what we need to have an effective social media platform which actually serves to better the inhabitants of the given community.

Best case scenario, this app helps establish a better form of local government. With our federal government seemingly going to shit, disregarding and combatting science, health, peace, etc. it would be good to be able to enact our own policies at a local level. If this policy seems to be operating successfully, it could then act as a blueprint for other cities to implement, with any specific modifications they may require, of course.

Database tables and fields:

Here I list the objects and their properties which are stored on the database, along with descriptions where necessary

- croaks
  - int id
  - float x (longitude)
  - float y (latitude)
  - int type (text or file)
  - string content (text content)
  - string title (optional title)

    - int user_id (0 for anon)
    - int p_id (id of parent croak, if this croak is a reply)
- tags
    - int id
    - string label
    - int refs (how many times this tag has been associate with a croak)
- files
    - int id
    - string filename
    - string path (location on server)
    - int filesize (in bytes) (max is 512 MB)
- users (currently not implemented)
    - int id
    - string name
    - string email
    - string password (encrypted obviously)

REST Endpoints:
How you can use HTTP to view and modify data on the server.

Server URL = *TBA*

Format: <request type> <endpoint name> <query parameters>

- GET croaks
    - returns a json array of all of the croaks on the server with their associated tags and files
- GET croaks/<id>
    - returns a json object representing the croak with the given id
- GET croaks radius(float), x(float), y(float)
    - returns a json array of all of the croaks that are less than <radius> kilometers away from the given coordinate (x = longitude , y = latitude)
- GET croaks tags(string), mode(int)
    - returns a json array of all of the croaks (with their tags and files) which have any (mode=0) or all (mode=1) of the given tags
    - tags is a string of all the tags separated by commas
    - this call can also combine with the parameters of the previous call
- GET tags
    - returns a json array of all tags on the server
- GET tags radius(float), x(float), y(float)
    - returns a json array of some of the most popular tags associated with recent croaks within <radius> km of coordinate
- GET files
    - returns a json array of all of the files with their associated tags
- GET files croaks tags(string), mode(int)

    - returns a json array of all of the files which have any (mode=0) or all (mode=1) of the tags in the string array <tags> associated with them
- POST files
    - send multiple files as multipart form data. Will upload, create the database object, and return success/failure and path of the file/s

To be implemented:

- search by keyword
- events

“marketing” description:

As Morpheus said, you probably feel that “there's something wrong with the world. You don't know what it is, but it's there, like a splinter in your mind, driving you mad.”

Do you feel as if we are living in a society lacking meaning, and that we are simply “zig-zagging away with boredom and pain”? Have you ever felt like we are not utilizing our technology as much as we could be to bring about a better world? Can you see through the facade which is our current system of government, or at least see how dysfunctional it is?

This application is an attempt to enable the most efficient community discussion possible. It is a collective “thought-space”, where ideas can be discussed freely and anonymously. It is meant to transcend current social boundaries which prevent the rapid shift necessary to bring about the positive change which might have a chance of saving our species from the catastrophes promised by climate change if we don’t get our act together.