# Technical Doc - xugao1, liu275

**Models:**

```
class AppUser(ndb.Model):
   nickname = ndb.StringProperty()
   user = ndb.UserProperty()
   musics = ndb.IntegerProperty(repeated=True)
   movies = ndb.IntegerProperty(repeated=True)
   games = ndb.IntegerProperty(repeated=True)
   sports = ndb.IntegerProperty(repeated=True)
   longitude = ndb.FloatProperty()
   latitude = ndb.FloatProperty()
```

**Things to store on the client side**

- chat messages within every chat groups (2 people)
- some html template

**Memcache**

**- users' interests** (will be read a lot of times when we match nearby people)
**- users' locations**

**JSON Objects:**

**User_info (send by UserHandler) -**

nickname
musics
movies
games
sports

**Chat-**

nickname
other (the person current user is chatting with)
message

## Protocols/URLs:

### /user
GET -> param: nickname
RETURN -> user_info

POST -> param: (updated) user_info
RETURN -> “ok” or “error”

### /about
GET
RETURN -> about.html template (displays the edit personal interests page)

### /createuser
POST -> data : {“nickname” : [some_nickname]}
RETURN -> “ok” or “error”

### /findpeople
GET ->param: nickname
RETURN -> a list of nearby people’s user_info(s)

### /lookaround
GET
RETURN -> lookaround.html (display all nearby people)

### /chat
GET -> param: nickname, other
RETURN -> chat.html

POST -> chat object
RETURN -> “ok” or “error”

### /viewUser
GET -> nickname
RETURN viewUser.html (displays any user’s information)

**/jstest**
url for all javascript tests

**/test**
url for all python tests

**HTML5 APIs -**

- GeoLocation API
- LocalStorage API