THE

kyzr

PROJECT

CODE
REVIEW

Can I Flask You A Question?

```python
# Next two functions are for database
# adding/receiving for the android phones
@app.route('/dbadd', methods=['GET','POST'])
def dbadd():
    if request.method=="POST":
        for key in request.form.keys():
            if key == "lat":
                try:
                    lat = float(request.form[key])
                except:
                    return "Request Failed: latitude was not a float"
            elif key == "lng":
                try:
                    lng = float(request.form[key])
                except:
                    return "Request Failed: longitude was not a float"
            elif key == "id1":
                id1 = request.form[key]
            elif key == "id2":
                id2 = request.form[key]

        # updates existing document and creates a new one if it doesn't exist
        users.update_one(
            {'_id':id1},
            {
                '$set':{'curr_torch':id2},
                '$push':{'transactions':[lat,lng]}
            },
            True    # upsert
        )

        #users.update_one({'_id':id1}, {'$set':{'curr_torch':id2},
        #              '$push':{'transactions':[lat,lng]}}, True)

        return "Success"
    return "Request method failed."
```

- Adding users if user does not exist

- Add data to user entry if user does exist

- Swap torch IDs

Is it a Server or a Waiter?

- Amazon Web Services: No Go.

- New Ramnode server needs to be set up

```
<VirtualHost *:80>
    ServerName 107.191.98.165
    ServerAdmin admin@thekyzrproject.com
    WSGIScriptAlias / /var/www/kyzr.wsgi
    <Directory /var/www/kyzr/>
        Order allow,deny
        Allow from all
    </Directory>
    Alias /static /var/www/kyzr/static
    <Directory /var/www/kyzr/static/>
        Order allow,deny
        Allow from all
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/error.log
    LogLevel warn
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

Android Application

- Composed of
  - Activity - handles logic (Controller)
  - Fragment - communicates with Activity (Controller)
  - Network communication class (Model)
  - Layouts in XML (View)
  - Let's check out Android Studio!

Android UI

- Composed of XML
  <Extensible Markup Language>

- Hey Patrick, I have a great idea!
- Let's engage the audience more
- Let's have **them** imagine our UI