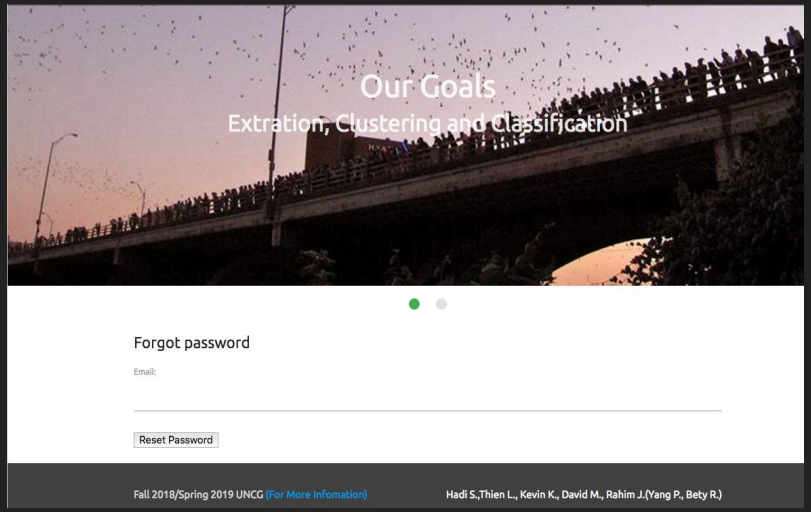
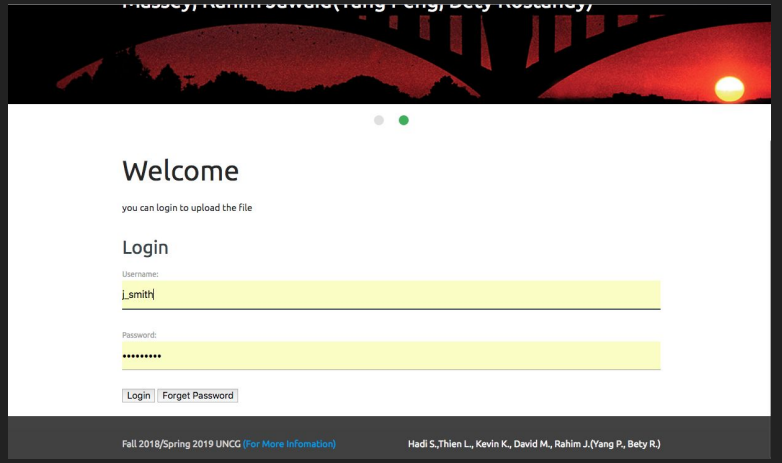
BATALOG

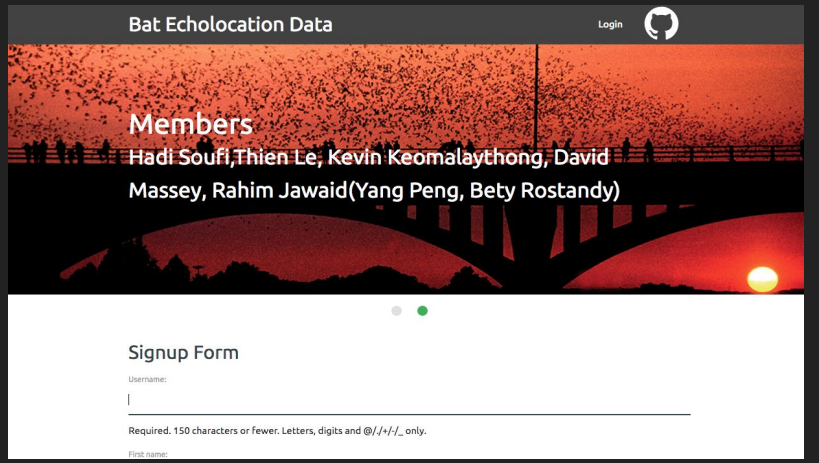
Progress Report #2.5

Group Members:
Hadi S. (h_soufi) | **David M.** (dlmassey)
Rahim I. (r_iqbal) | **Kevin K.** (knkeomal)
Thien L. (t_le)

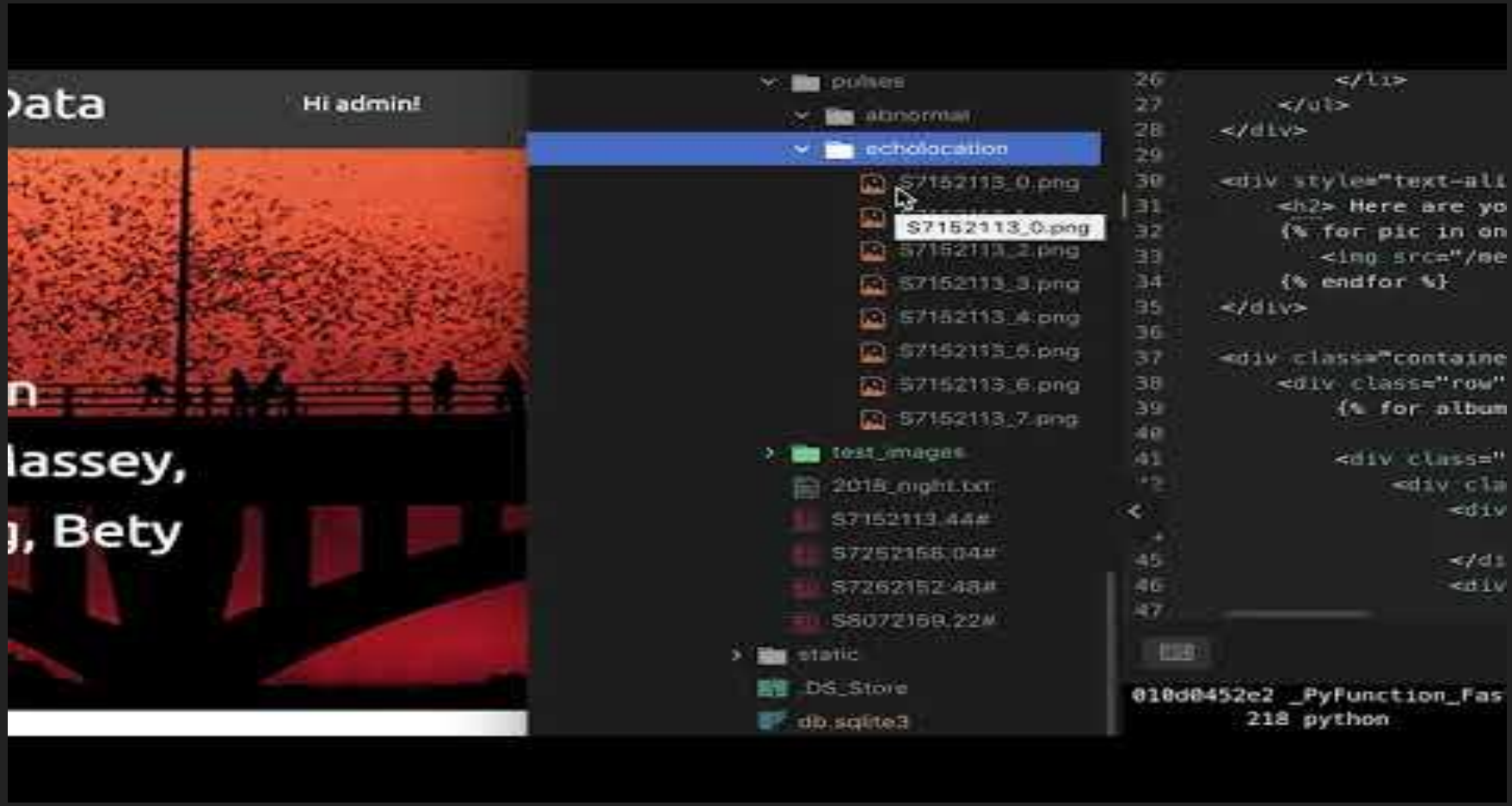
User signup, login Template, Reset Password

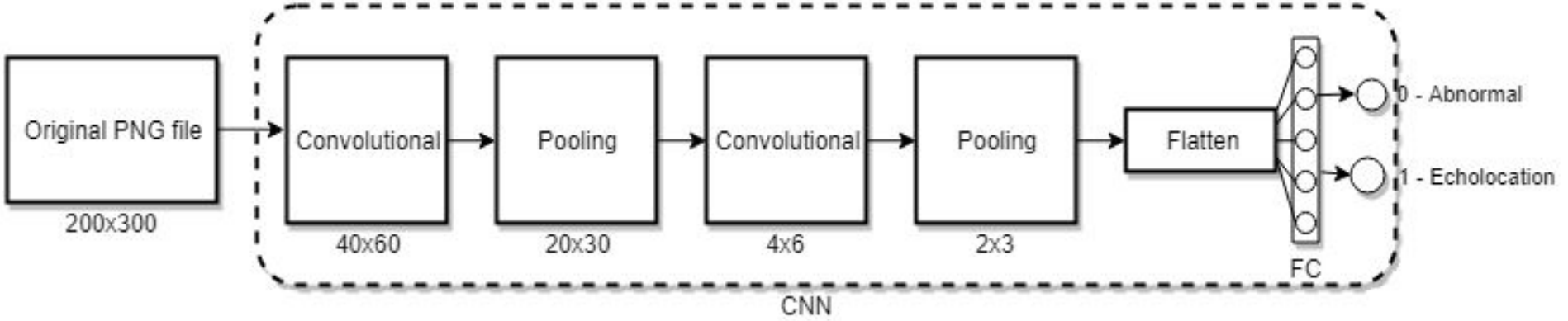






File Analysis





- Convolutional Layer formula:
  Output=(Dimension size-Filter size+2(Padding size)/Stride)+1
  Pooling Layer formula:
  Output=((Dimension size-Filter size)/Stride)+1

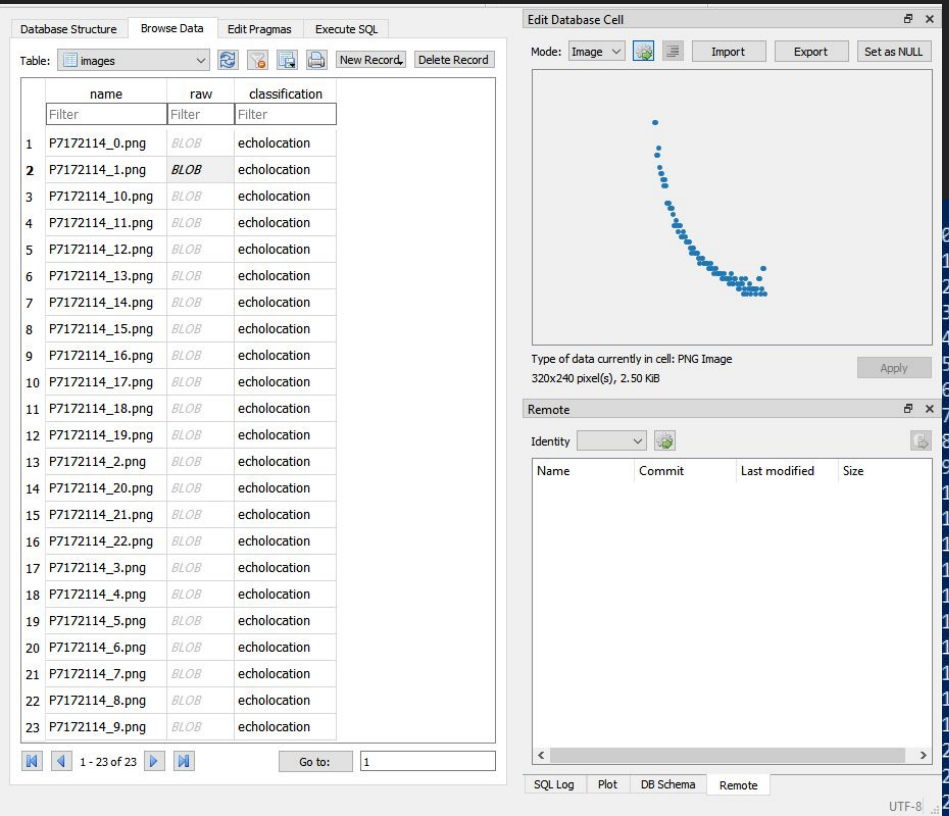
- Uploaded files to UNCG server to test bigger CNN's like InceptionV3 and others created

- Best accuracy is with the 200x300 model of 75% for abnormal files and 99% for echolocation files calculated from the test/validation files

CNN

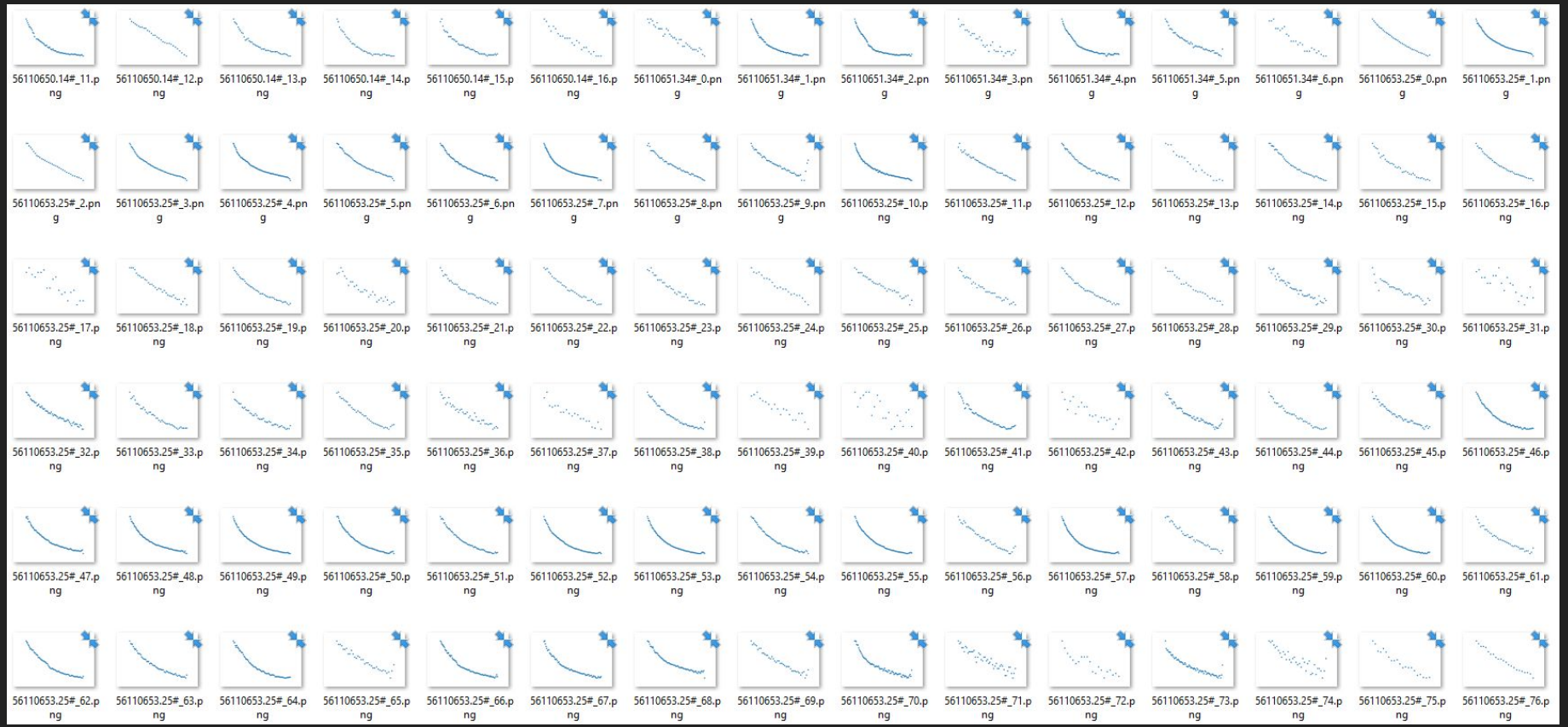
Database API

- Passing data from GUI to DB
- Handling data conversion
-



	name	raw	classification
0	P7172114_0.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
1	P7172114_1.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
2	P7172114_10.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
3	P7172114_11.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
4	P7172114_12.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
5	P7172114_13.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
6	P7172114_14.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
7	P7172114_15.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
8	P7172114_16.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
9	P7172114_17.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
10	P7172114_18.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
11	P7172114_19.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
12	P7172114_2.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
13	P7172114_20.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
14	P7172114_21.png	b"\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
15	P7172114_22.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
16	P7172114_3.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
17	P7172114_4.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
18	P7172114_5.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
19	P7172114_6.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
20	P7172114_7.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
21	P7172114_8.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation
22	P7172114_9.png	b'\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\x00\...	echolocation

Tuning noise removal



Scrum Sprint 8

Completed Issues and Pull Requests	Story points
Install DBBrowser for SQLite Bat_Echolocation_2019 **#54** Closed Sprint 8	5
Experiment with DB Browser Epic Bat_Echolocation_2019 **#55** Closed Sprint 8	20
Create a table for images Bat_Echolocation_2019 **#56** Closed Sprint 8	5
Create a table for user registration info Bat_Echolocation_2019 **#57** Closed Sprint 8	5
Sort out issues with running Django website via PowerShell help wanted Bat_Echolocation_2019 **#58** Closed Sprint 8	15
Connect DB API to Django's SQLite3 DB Bat_Echolocation_2019 **#59** Closed Sprint 8	20
Group Meeting 2019-03-19 Bat_Echolocation_2019 **#60** Closed Sprint 8	10
Create tables in SQLite3 database Bat_Echolocation_2019 **#61** Closed Sprint 8	10
Add images to Image table (SQLite3 DB) Bat_Echolocation_2019 **#62** Closed Sprint 8	10
Set Up Basic Operations (DB API) Bat_Echolocation_2019 **#63** Closed Sprint 8	15
Set up image data fetching Bat_Echolocation_2019 **#65** Closed Sprint 8	15
Clean up DB API code and push to repo Bat_Echolocation_2019 **#66** Closed Sprint 8	10
Have DB API pass image data back to GUI Bat_Echolocation_2019 **#67** Closed Sprint 8	15
Create Progress Report 2.4 presentation slides help wanted Bat_Echolocation_2019 **#68** Closed Sprint 8	20

Thank you!

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