BATALOG

Progress Report #2.3

Group Members:
Hadi S. (h_soufi) | **David M.** (dlmassey)
Rahim I. (r_iqbal) | **Kevin K.** (knkeomal)
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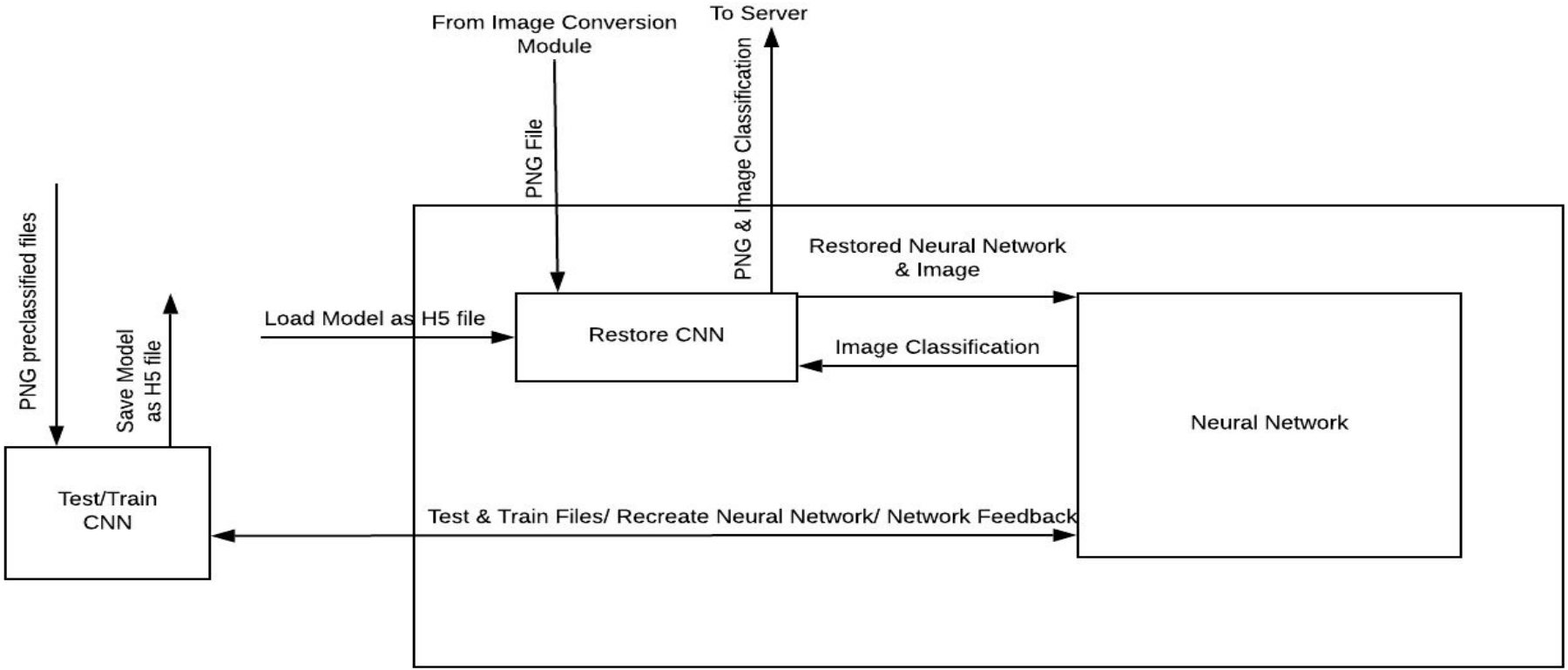
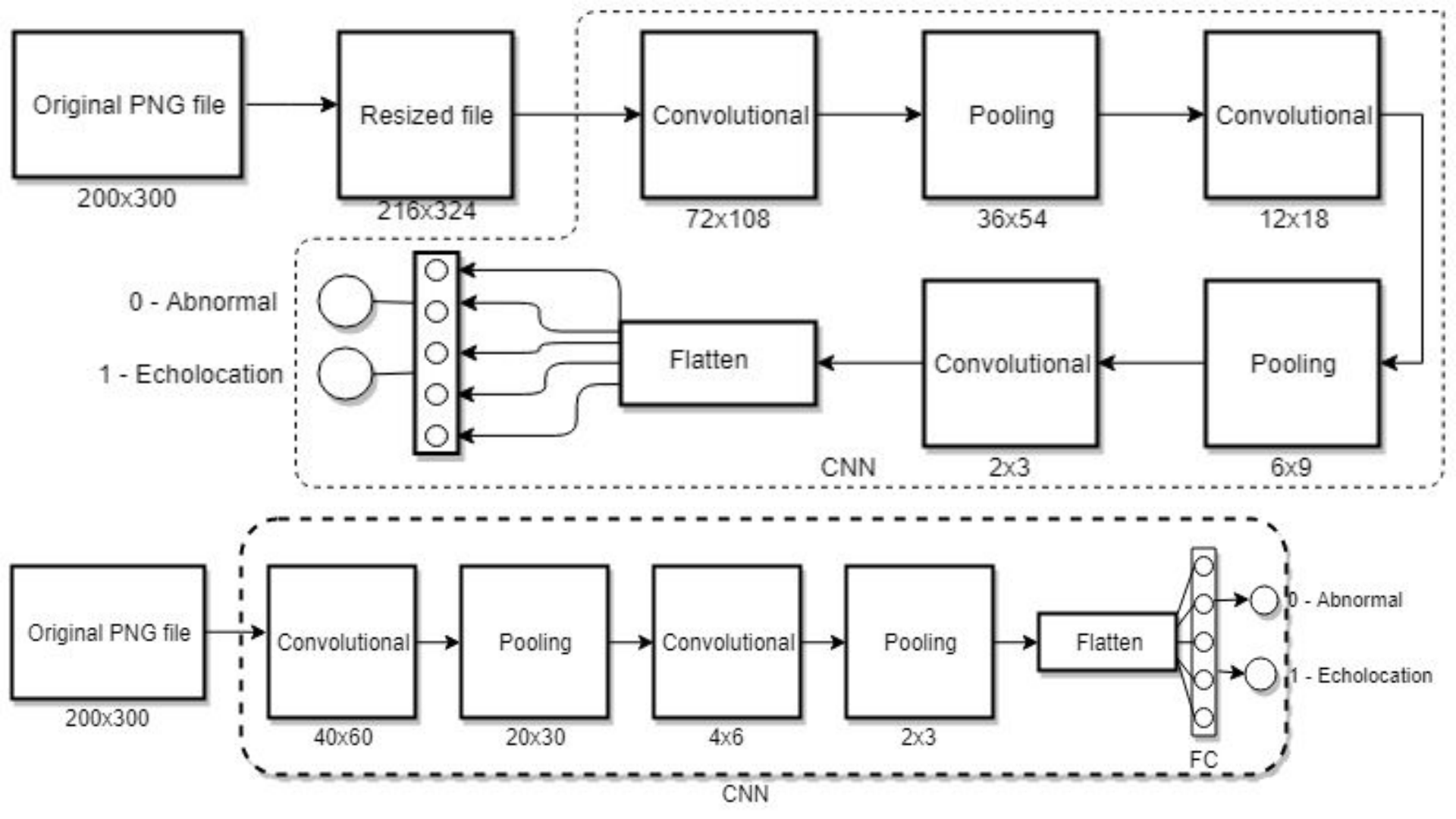
User signup, and login demo



- Created Restore CNN function to work with a single image and array of images
- Recreated Test/Train CNN to work with an array of images & caused OOM error
- Continued to test CNN models to increase accuracy

CNN


Original PNG file
200x300
Resized file
216x324
Convolutional
72x108
Pooling
36x54
Convolutional
12x18
Pooling
6x9
Convolutional
2x3
Flatten
0 - Abnormal
1 - Echolocation
CNN
Original PNG file
200x300
Convolutional
40x60
Pooling
20x30
Convolutional
4x6
Pooling
2x3
Flatten
FC
0 - Abnormal
1 - Echolocation
CNN

Database API Progress

Command-line testing

- **DB API output →**
- **Handling PNG images**
- **Later on: working with actual tables in DB; handling user reg info**

Django's intrinsic DB API

- **models.py → tables**
- **Python shell w/in cmd**
- **Possibly incorporate my API?**

```
0     INSERT INTO Images VALUES (P6242138_0.png, b'\...
1     INSERT INTO Images VALUES (P6242138_1.png, b'\...
2     INSERT INTO Images VALUES (P6242138_10.png, b'...
3     INSERT INTO Images VALUES (P6242138_11.png, b'...
4     INSERT INTO Images VALUES (P6242138_12.png, b'...
5     INSERT INTO Images VALUES (P6242138_13.png, b'...
6     INSERT INTO Images VALUES (P6242138_14.png, b'...
7     INSERT INTO Images VALUES (P6242138_15.png, b'...
8     INSERT INTO Images VALUES (P6242138_16.png, b'...
9     INSERT INTO Images VALUES (P6242138_17.png, b'...
10    INSERT INTO Images VALUES (P6242138_18.png, b'...
11    INSERT INTO Images VALUES (P6242138_19.png, b'...
12    INSERT INTO Images VALUES (P6242138_2.png, b'\...
13    INSERT INTO Images VALUES (P6242138_20.png, b'...
14    INSERT INTO Images VALUES (P6242138_21.png, b'...
15    INSERT INTO Images VALUES (P6242138_22.png, b'...
16    INSERT INTO Images VALUES (P6242138_23.png, b'...
17    INSERT INTO Images VALUES (P6242138_3.png, b'\...
18    INSERT INTO Images VALUES (P6242138_4.png, b'\...
19    INSERT INTO Images VALUES (P6242138_5.png, b'\...
20    INSERT INTO Images VALUES (P6242138_6.png, b'\...
21    INSERT INTO Images VALUES (P6242138_7.png, b'\...
22    INSERT INTO Images VALUES (P6242138_8.png, b'\...
23    INSERT INTO Images VALUES (P6242138_9.png, b'\...
```

Live server

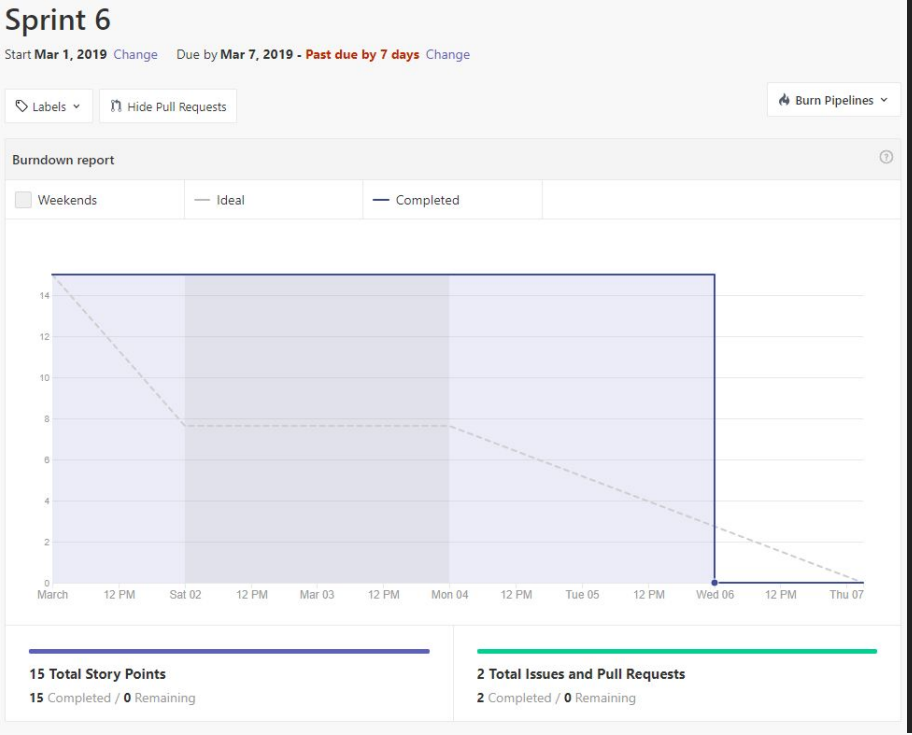
Personal server
- Inexpensive
- Flexible
- High maintenance

UNCG Virtual Server
- Reliable
- Payment plans
- Project appropriate

Web-Hosting Company
- Get what you pay for
- Research important
- Powerful features

Requirements
1. 24/7 live access
2. >10GB of storage
3. Low end specs

Scrum Sprint 6



Completed Issues and Pull Requests	Story points
Diagram CNN implementation Bat_Echolocation_2019 **#4** Closed Sprint 6	5
Discuss project plans for Sprint 6 Bat_Echolocation_2019 **#37** Closed Sprint 6	10

Scrum Sprint 7

Sprint 7

Start **Mar 8, 2019** Change Due by **Mar 14, 2019 - Due today** Change

Labels Hide Pull Requests Burn Pipelines

Burndown report

60 Total Story Points
60 Completed / **0** Remaining

6 Total Issues and Pull Requests
6 Completed / **0** Remaining

Completed Issues and Pull Requests	Story points
File Analysis Stage 2(File Manipulation) Bat_Echolocation_2019 **#38** Closed Sprint 7	5
Meet with Dr. Han Li Bat_Echolocation_2019 **#43** Closed Sprint 7	10
Facilitate meeting between Drs. Mohanty and Li Bat_Echolocation_2019 **#44** Closed Sprint 7	10
Meet with Dr. Mohanty to discuss CNN Bat_Echolocation_2019 **#45** Closed Sprint 7	15
Group Meeting 2019-03-12 Bat_Echolocation_2019 **#51** Closed Sprint 7	10
Have Django web app prototype working on Windows machine Bat_Echolocation_2019 **#53** Closed Sprint 7	10

Thank you!

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