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# BATALOG

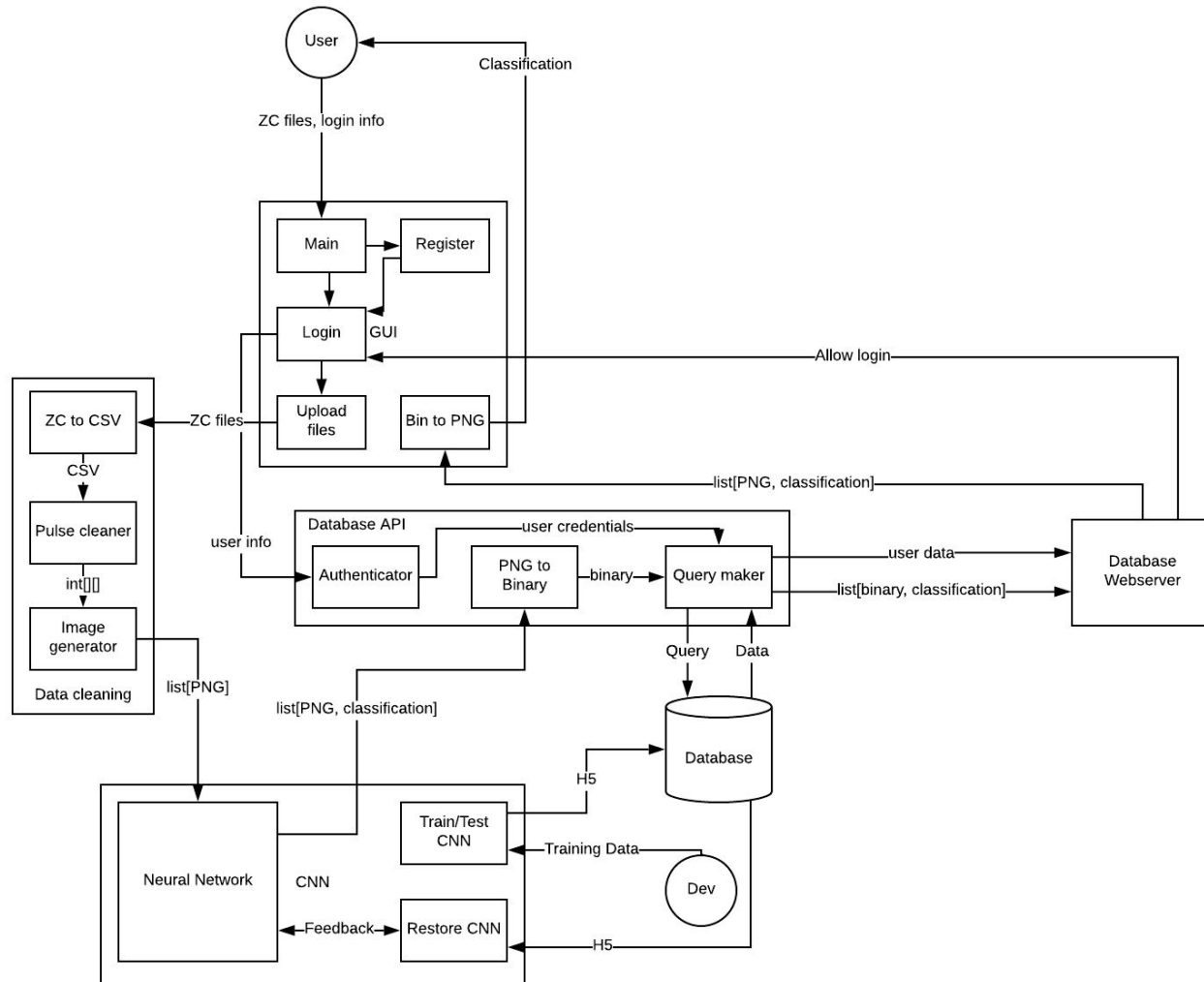
## Progress Report #2.1

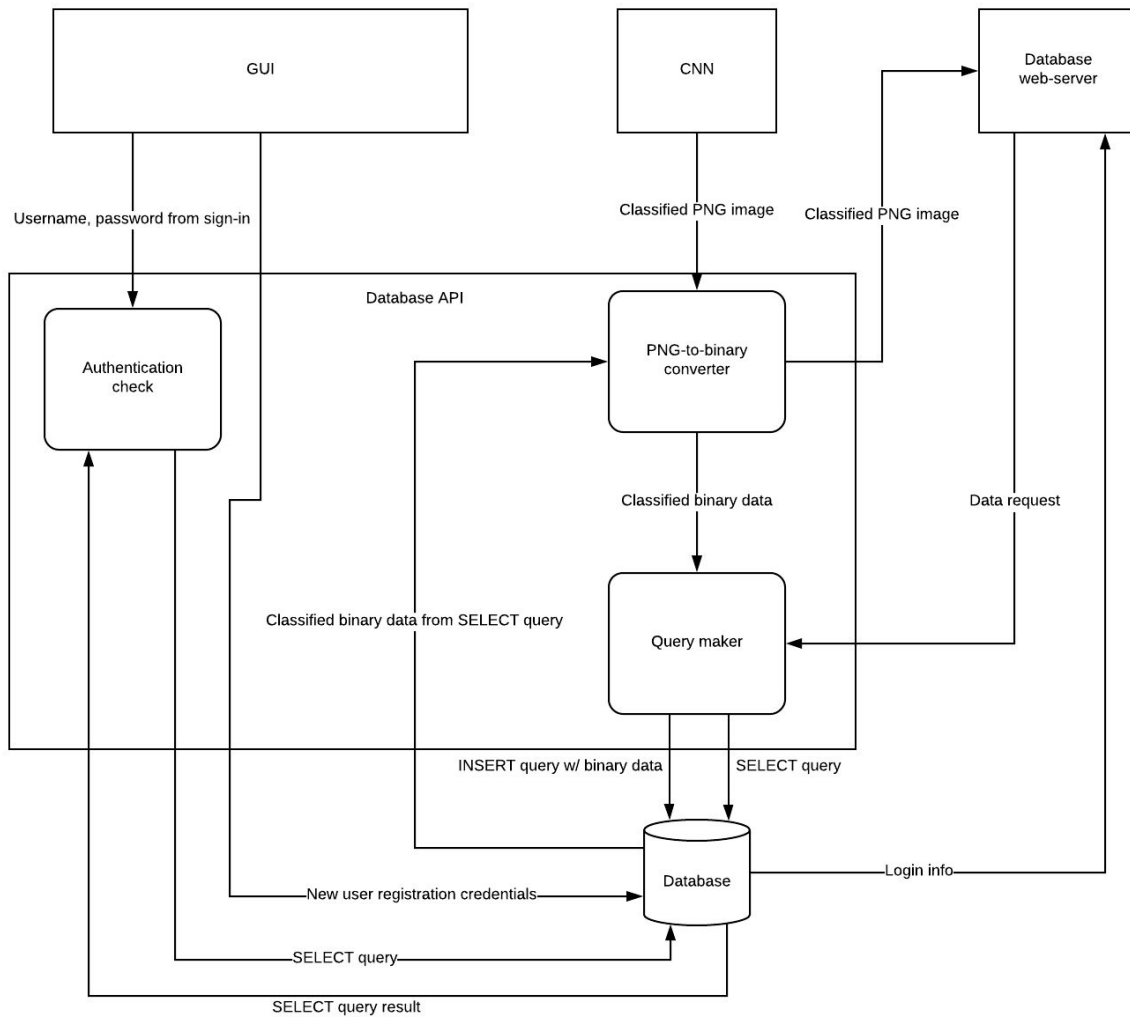
### Group Members:

Hadi S. (h\_soufi) | David M. (dlmassey)  
Rahim I. (r\_iqbal) | Kevin K. (knkeomal)  
Thien L. (t\_le)

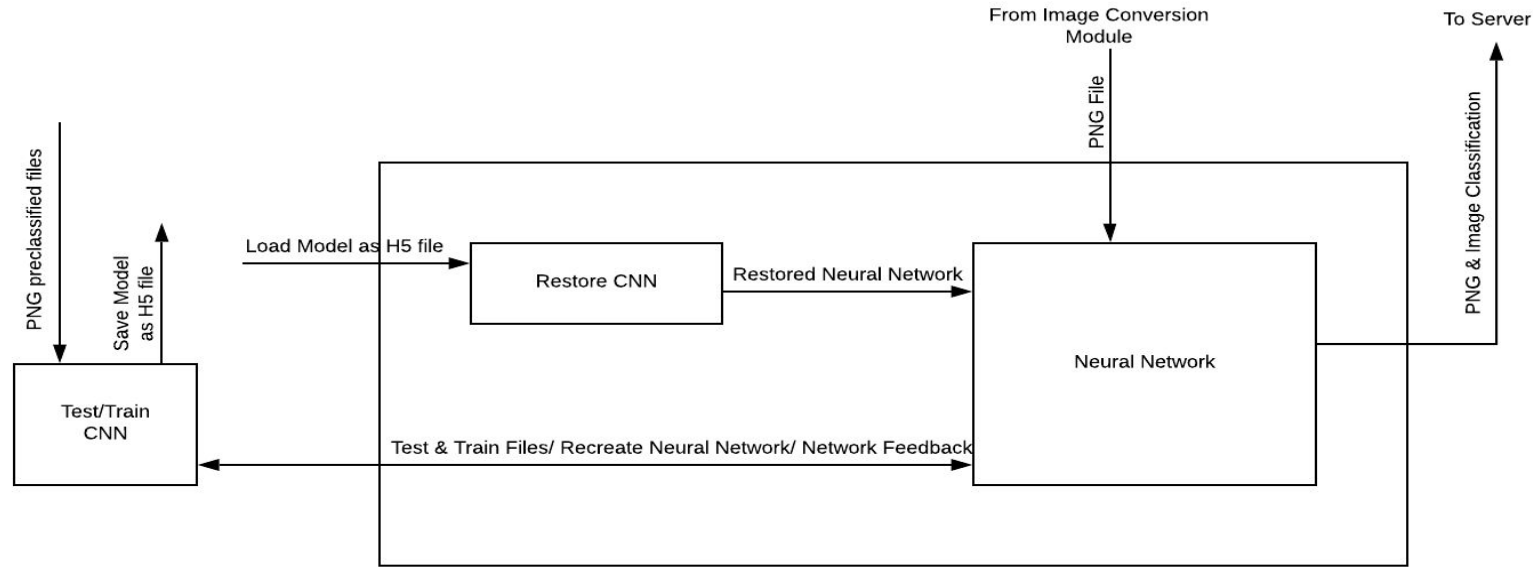


# Overall System Model





# Database API



- Added Test/Train CNN to the diagram above
- Preliminary models showed high accuracy but bad predictions
- Researched information about other models
- Decided to make the convolutional and pooling layers by hand using their math formulas
- Resulting model showed higher accuracy with greatly improved predictions.

# CNN

# Scrum Sprint 4

## Sprint 4

Start Feb 15, 2019 [Change](#) Due by Feb 21, 2019 - Due today [Change](#)

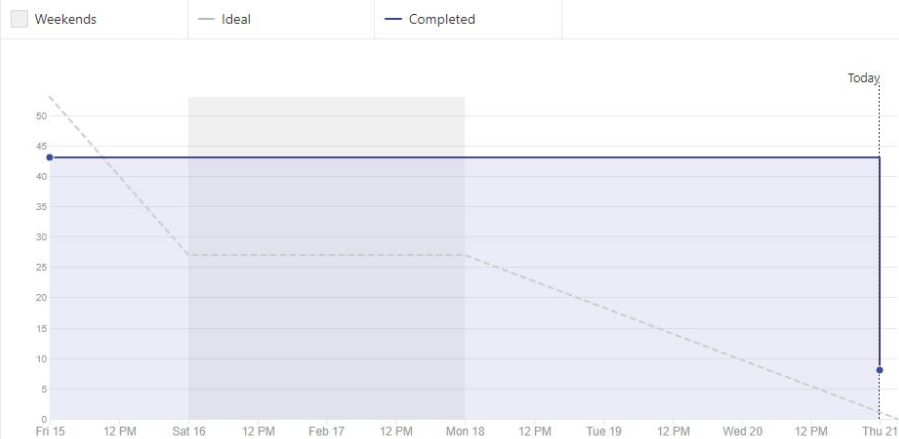
Labels [▼](#)

Hide Pull Requests

Burn Pipelines [▼](#)

### Burndown report

?



53 Total Story Points

45 Completed / 8 Remaining

5 Total Issues and Pull Requests

4 Completed / 1 Remaining

### Remaining Issues and Pull Requests

Story points

1 File Analysis GUI - Intro  
Bat\_Echolocation\_2019 #31 III Backlog Sprint 4

8

### Completed Issues and Pull Requests

Story points

10 Implement data classification code help wanted  
Bat\_Echolocation\_2019 #12 III Closed Sprint 4

10

10 Improve database API diagram help wanted  
Bat\_Echolocation\_2019 #30 III Closed Sprint 4

10

10 Create data classification code help wanted  
Bat\_Echolocation\_2019 #32 III Closed Sprint 4

10

15 Classify 25,000 observations - 1 help wanted  
Bat\_Echolocation\_2019 #34 III Closed Sprint 4

15


# Scrum Sprint 4






# Scrum Sprint 4

## New Issues

 +2 Bat\_Echolocation\_2019 #10 Implement CNN for image classification

Filter by Epic Issues


10 Epic help wanted

 Bat\_Echolocation\_2019 #11 Develop Batalog web application

Filter by Epic Issues


Epic

## Icebox


 +2 Bat\_Echolocation\_2019 #4 Diagram CNN implementation

Implement CNN for image clas...

5

 +2 Bat\_Echolocation\_2019 #13 Develop CNN model


Implement CNN for image clas...

 +4 Bat\_Echolocation\_2019 #29 Progress Report Presentation 3

Filter by Epic Issues


40 Epic help wanted

## Backlog


 +2 Bat\_Echolocation\_2019 #5 Research CNN


Implement CNN for image clas...

5

 Bat\_Echolocation\_2019 #14 Explore Potential Libraries for Web Development


2

 Bat\_Echolocation\_2019 #18 Overall operation - System Model

 Bat\_Echolocation\_2019 #31 File Analysis GUI - Intro

Sprint 4


## In Progress

 +2 Bat\_Echolocation\_2019 #33 Manually classify 50,000 echolocation samples

Implement CNN for image cla...

Filter by Epic Issues

30 Epic

 +2 Bat\_Echolocation\_2019 #35 Classify 25,000 observation - 2

Manually classify 50,000 echo...

15 Epic help wanted

**Thank you!**



**Group Members:**  
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**Rahim I.** (r\_iqbal) | **Kevin K.** (knkeomal)  
**Thien L.** (t\_le)

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# **BATALOG**

## **Progress Report #2.1**