BATALOG

Progress Report #2

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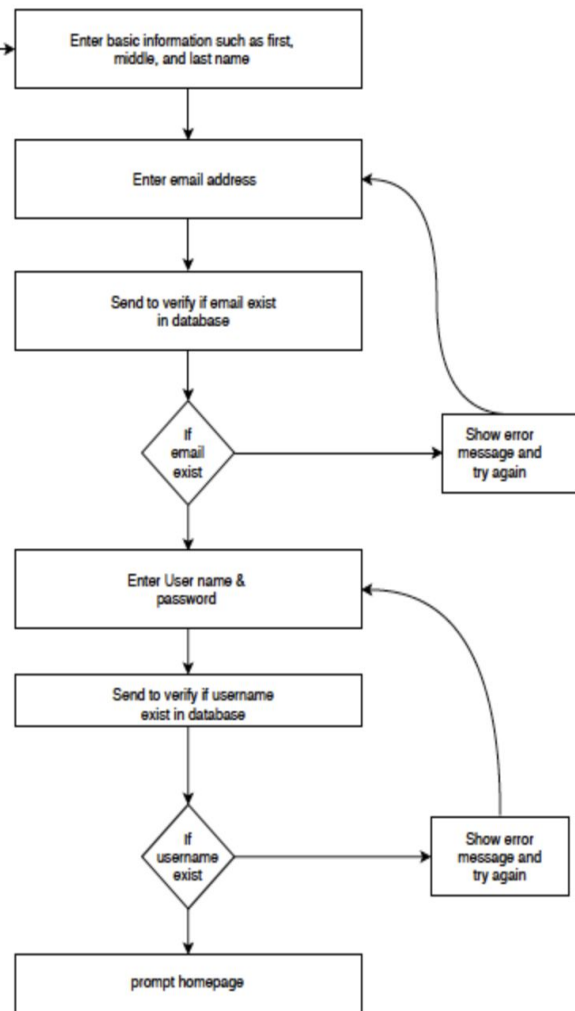**Thien L.** (t_le)

Subsystems
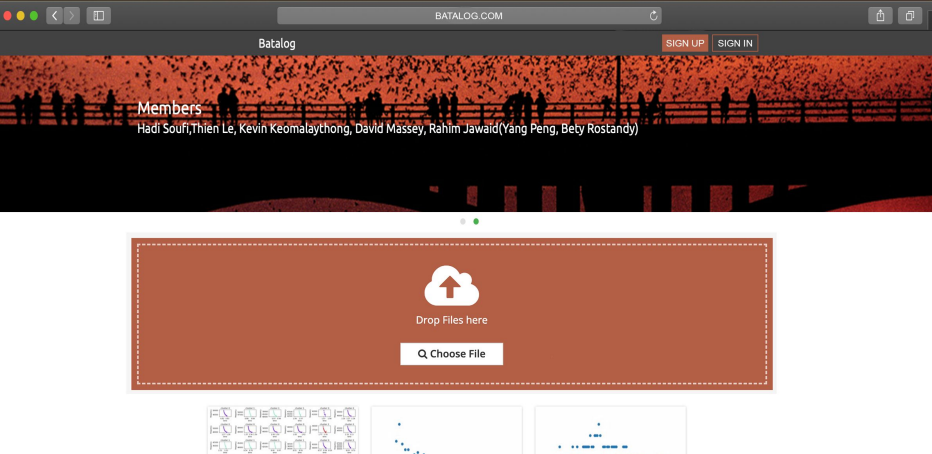# Design & Analysis

Front End:
- User registration page
- Zero-crossing file analysis
- Gallery

Back End:
- Connection from web to database
- Database API
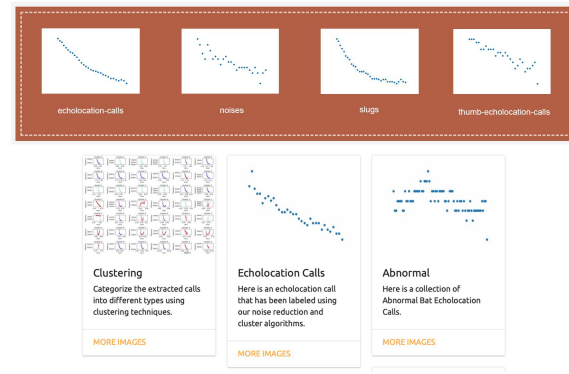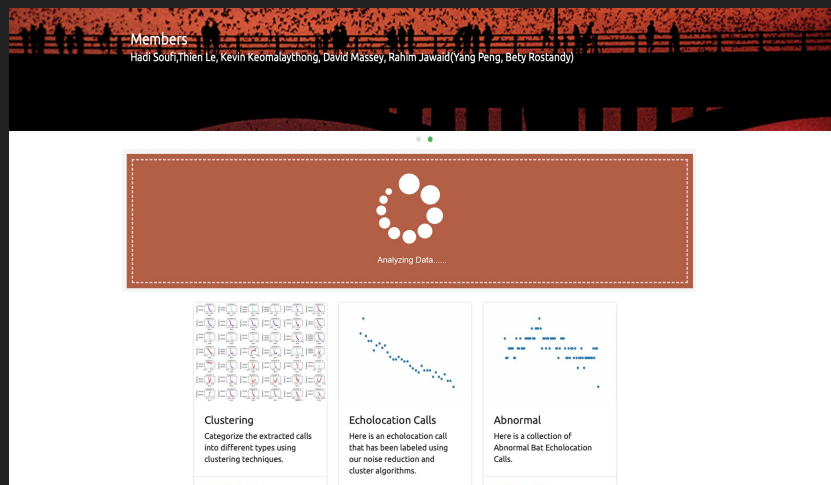- Image conversion module
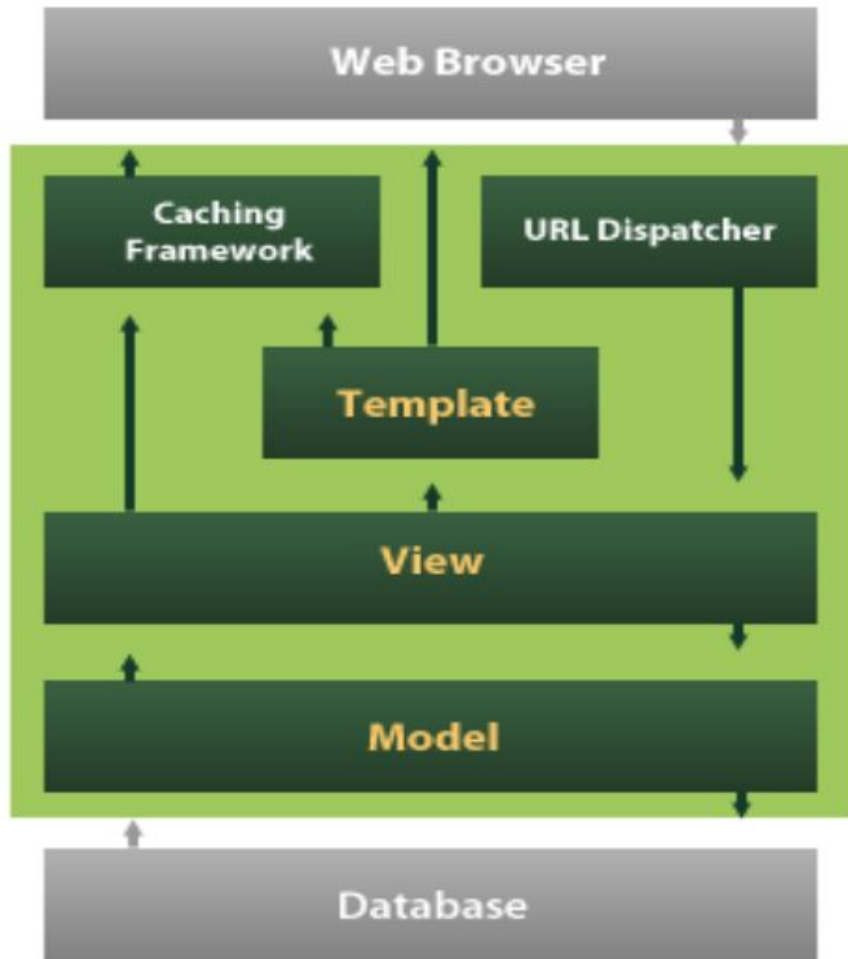- CNN

User

Registration

Zero-crossing file analysis

A mockup design for the website when the user uploads their file.
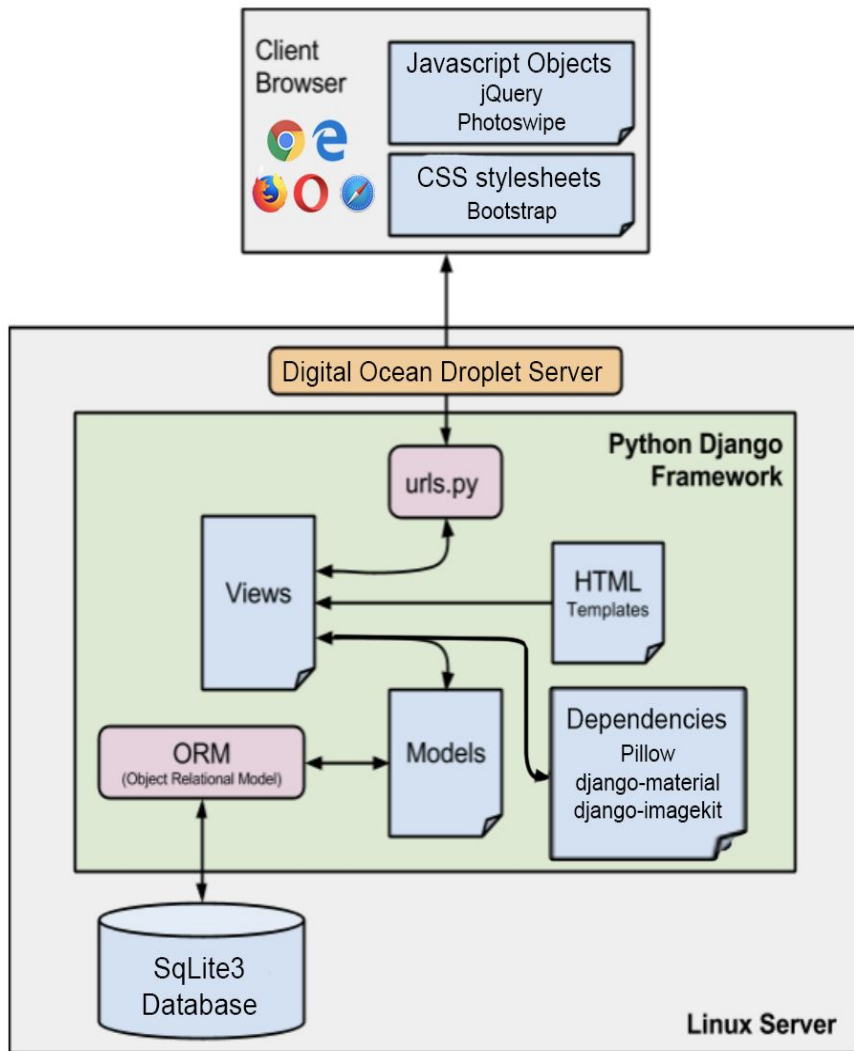
Django Gallery

Models - Describes the data.

Views - Controls what users sees.

Templates - How user sees it.

Controller - URL dispatcher.

Connection from web to database

Database API

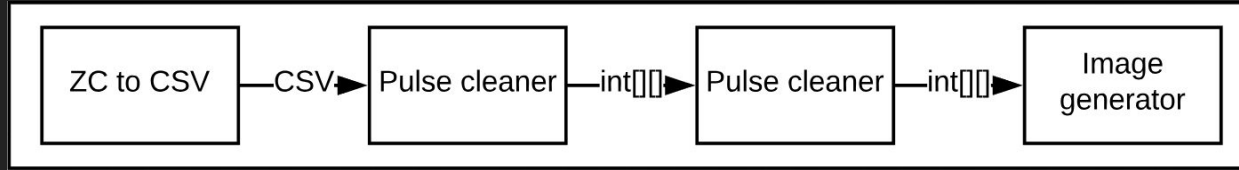# Image conversion module

From Image Conversion Module

To Server

PNG File

PNG & Image Classification

Locally Saved H5 File

Restore CNN

Restored Neural Network

Neural Network

Save H5 File

From Internal/External Source

Test & Train Files/ Recreate Neural Network/ Network Feedback
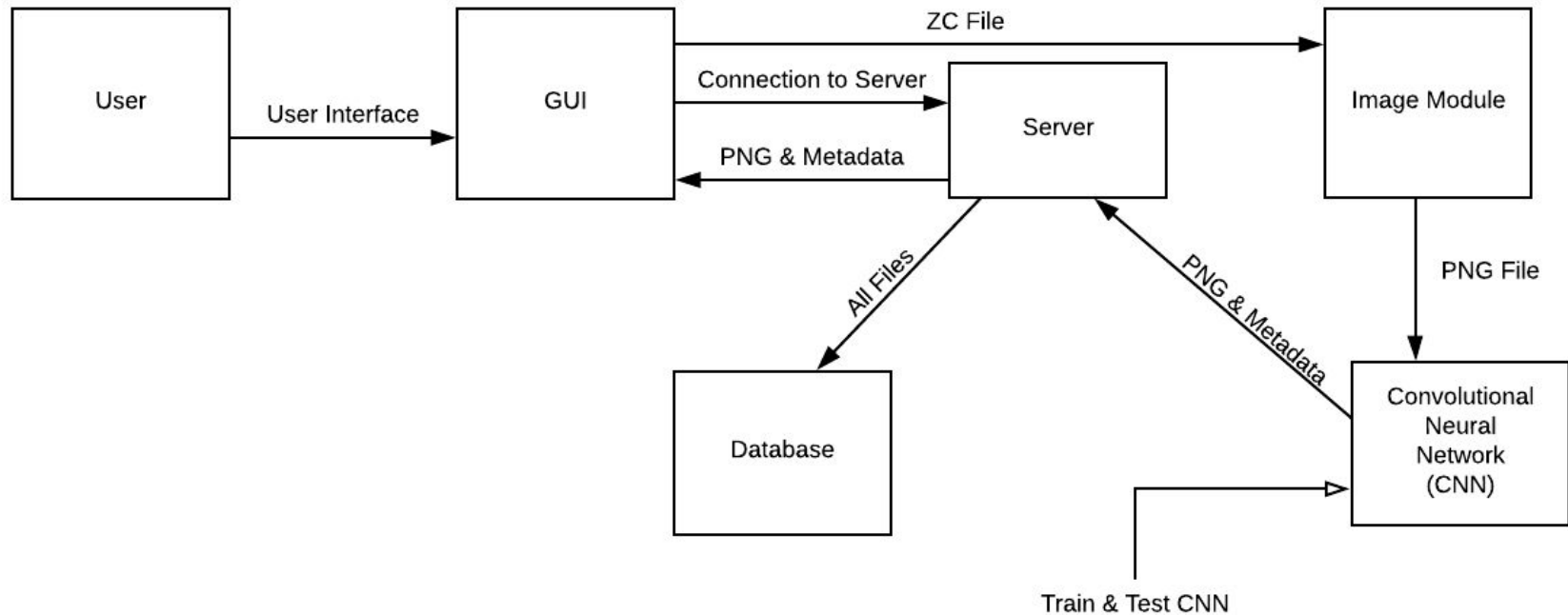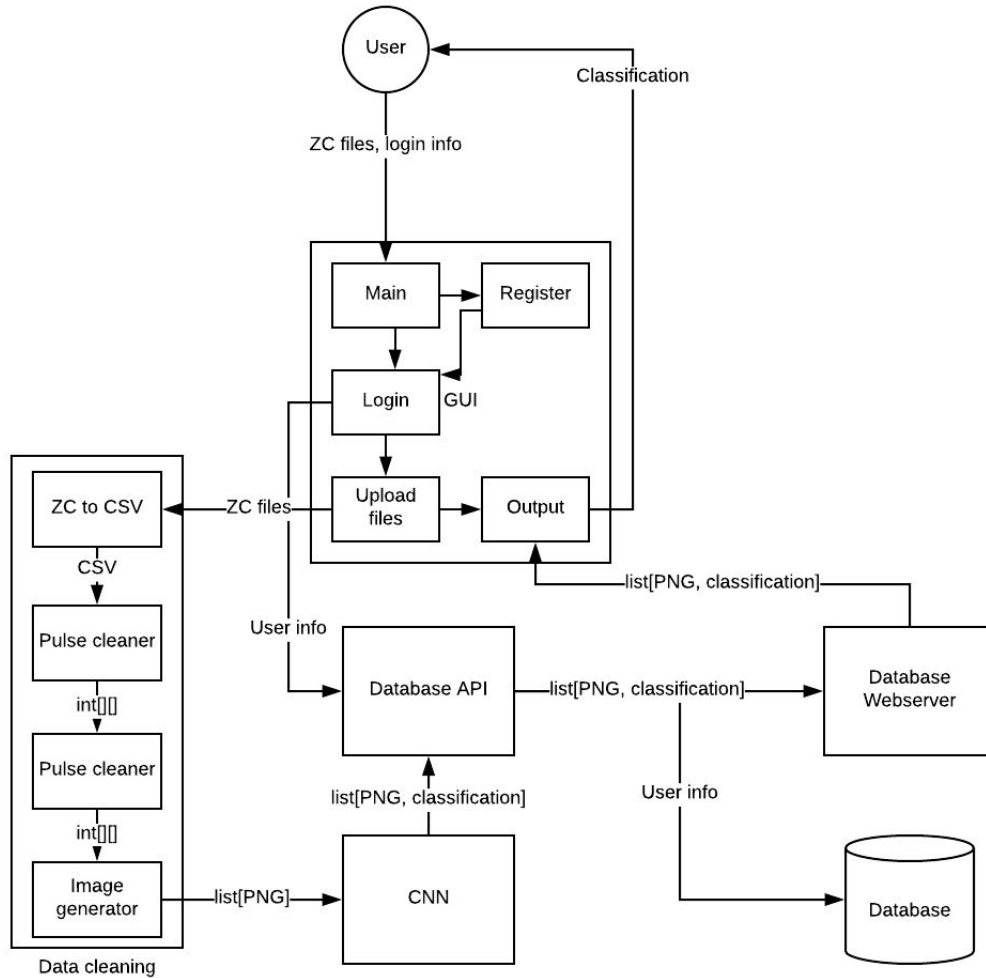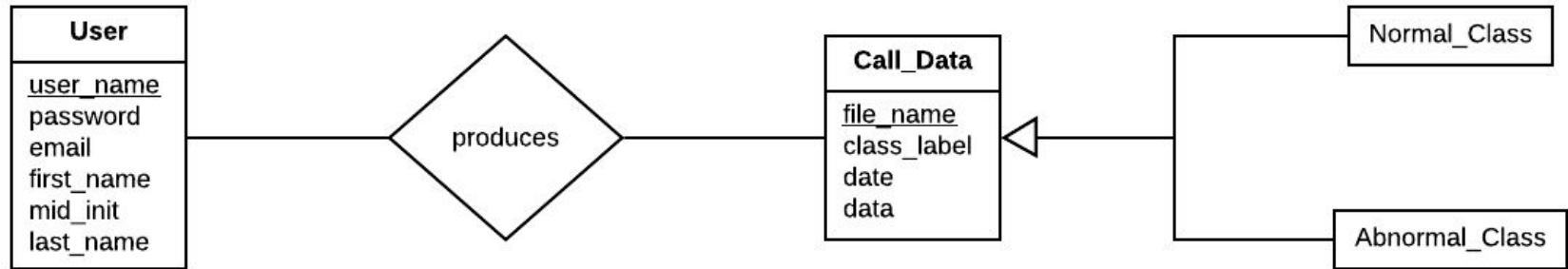
CNN

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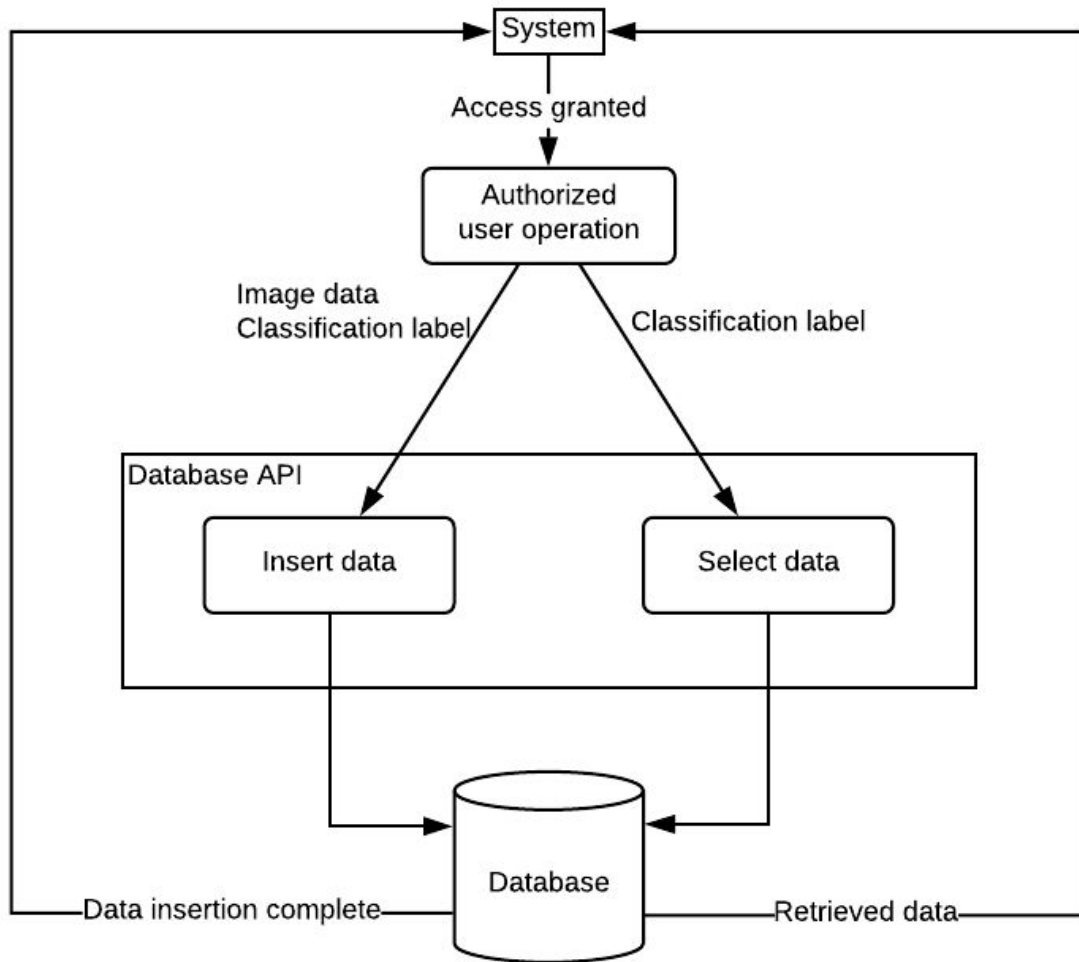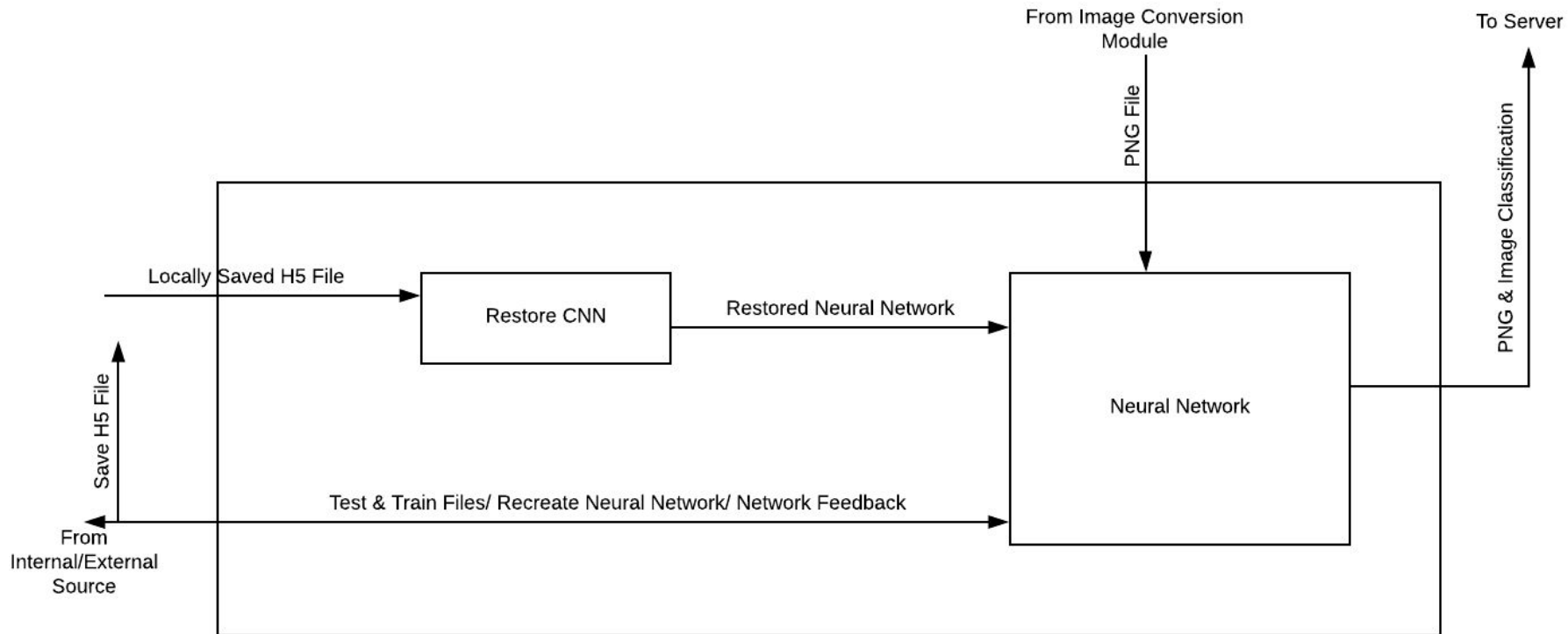
Overall System Model

Data Flow, I/O, Control

Entity-Relationship Model

Subsystems Analysis

CNN - O(1)

Registration page - O(1)

Zero-crossing file analysis - O(n)

Database API operations - O(log n)

Overall system:

O(n)

Scrum Sprint 3

Edit Milestone

Sprint 3
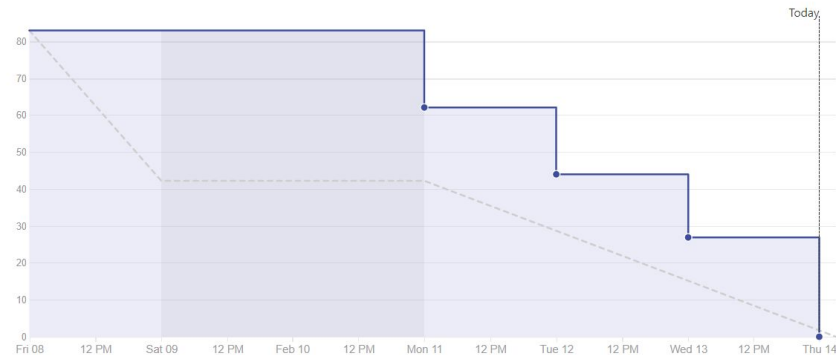
Start **Feb 8, 2019** Change   Due by **Feb 14, 2019 - Due today** Change

 Labels ∨   Hide Pull Requests

 Burn Pipelines ∨

Burndown report

☐ Weekends   —— Ideal   —— Completed

Today

80
70
60
50
40
30
20
10
0
Fri 08   12 PM   Sat 09   12 PM   Feb 10   12 PM   Mon 11   12 PM   Tue 12   12 PM   Wed 13   12 PM   Thu 14

83 Total Story Points
83 Completed / 0 Remaining

10 Total Issues and Pull Requests
10 Completed / 0 Remaining

Completed Issues and Pull Requests **Story points**

Identify Subsystems `help wanted`
Bat_Echolocation_2019 **#15** ⬛Closed 📍Sprint 3   (5)

Develop E-R diagram for database `help wanted`
Bat_Echolocation_2019 **#17** ⬛Closed 📍Sprint 3   (8)

Algorithm Analysis `help wanted`
Bat_Echolocation_2019 **#21** ⬛Closed 📍Sprint 3   (10)

Develop subsystem diagram for database `help wanted`
Bat_Echolocation_2019 **#22** ⬛Closed 📍Sprint 3   (8)

Progress Report Presentation 2 `Epic` `help wanted`
Bat_Echolocation_2019 **#23** ⬛Closed 📍Sprint 3   (10)

Complete #4 on the progress report document `help wanted`
Bat_Echolocation_2019 **#24** ⬛Closed 📍Sprint 3   (15)

Complete #5 on the progress report document `help wanted`
Bat_Echolocation_2019 **#25** ⬛Closed 📍Sprint 3   (15)

Create data dictionary for database `help wanted`
Bat_Echolocation_2019 **#26** ⬛Closed 📍Sprint 3   (8)

Website graphical user interface using Django - Subsystem
Bat_Echolocation_2019 **#27** ⬛Closed 📍Sprint 3   (2)

Connection from web to Database
Bat_Echolocation_2019 **#28** ⬛Closed 📍Sprint 3   (2)

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Thank you!

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