

QUANDARY

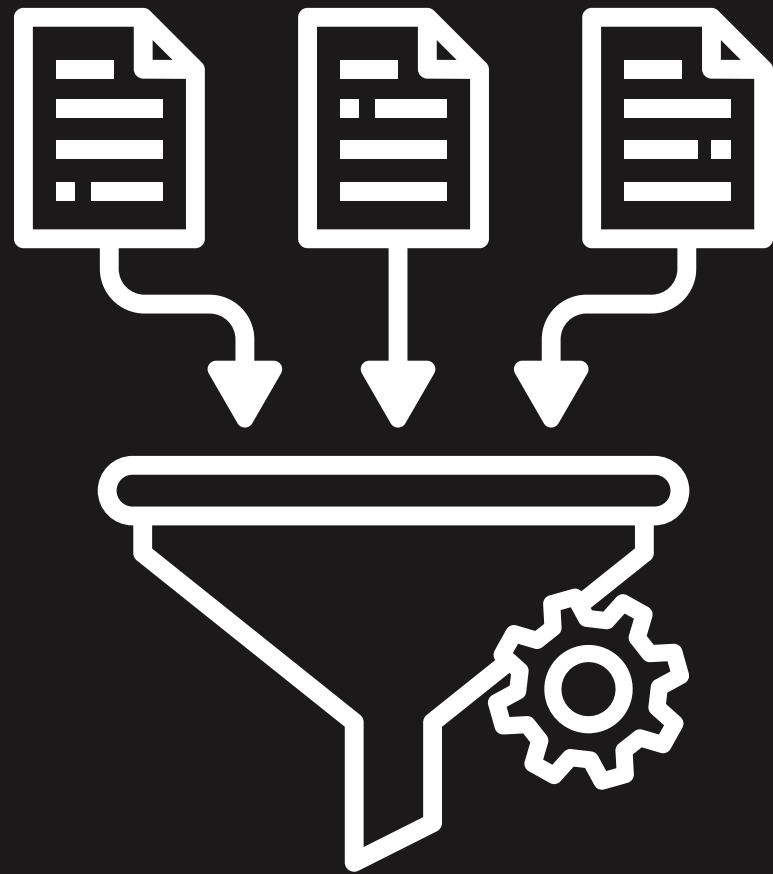
Prepared by James Robinson
Supervisor Dr. Greg Lee
COMP 4983, Winter 2024
Acadia University

Imagine...

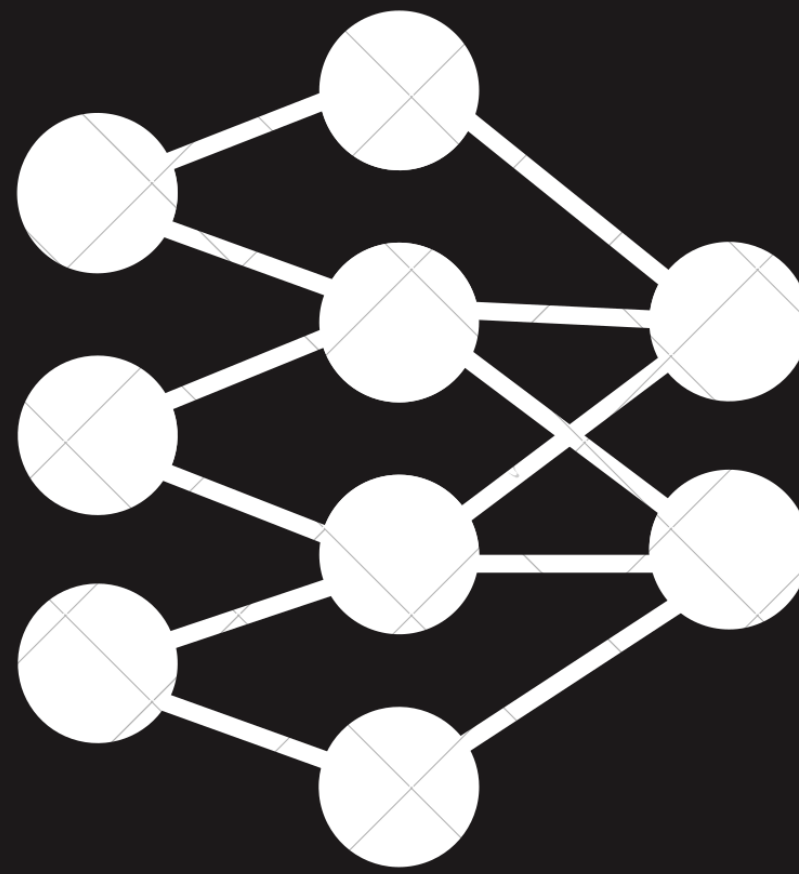
Imagine...



WHAT IS QUANDARY?



Web Scraper

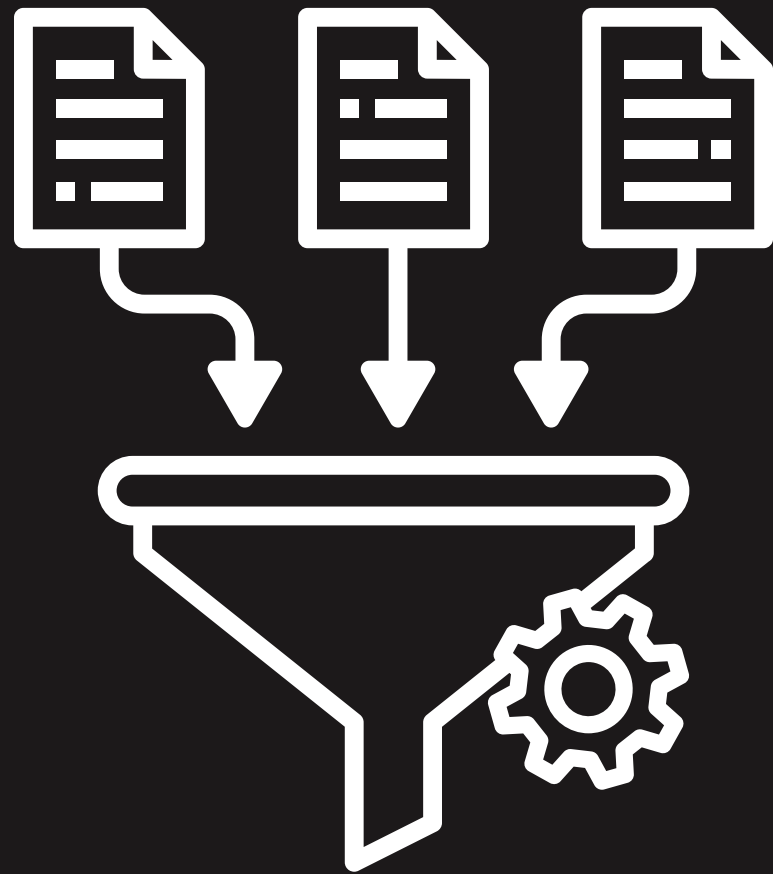


Text Classifier



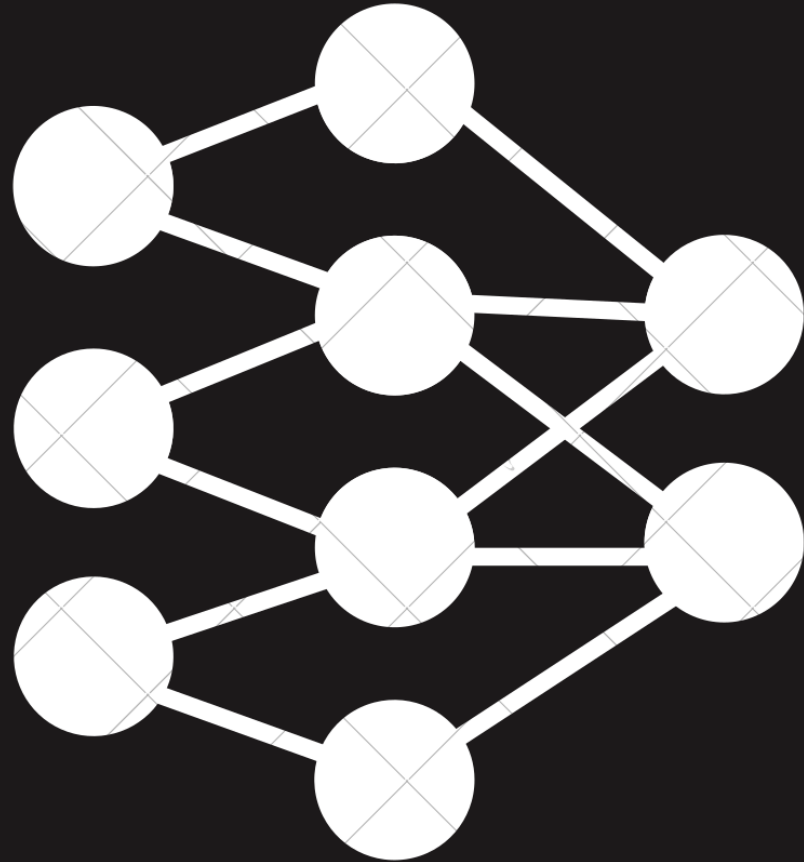
Ubiquitous App

THE WEB SCRAPER

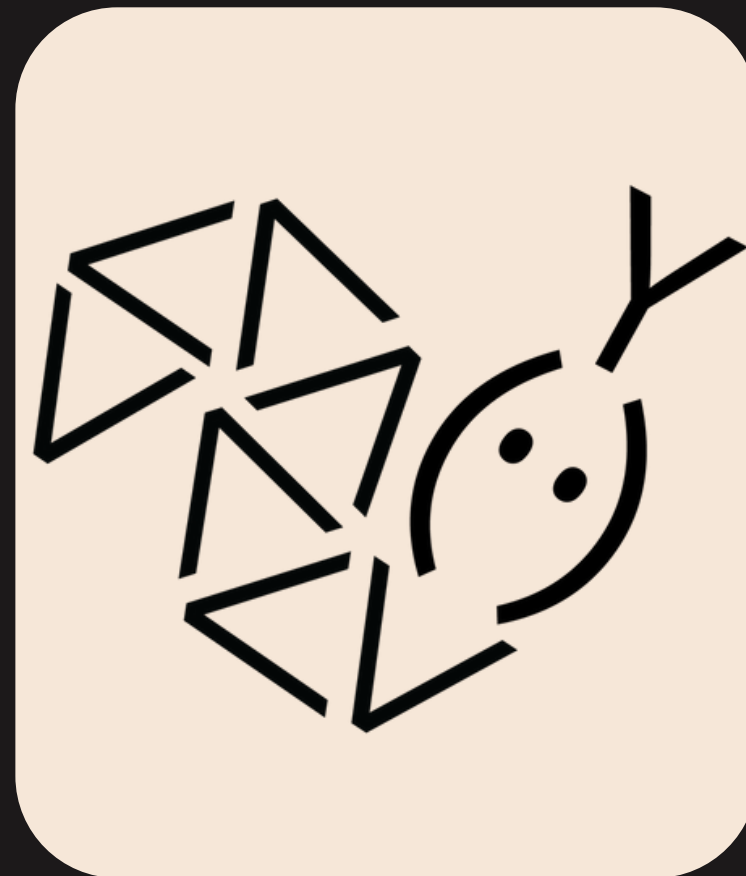


BeautifulSoup

THE TEXT CLASSIFIER

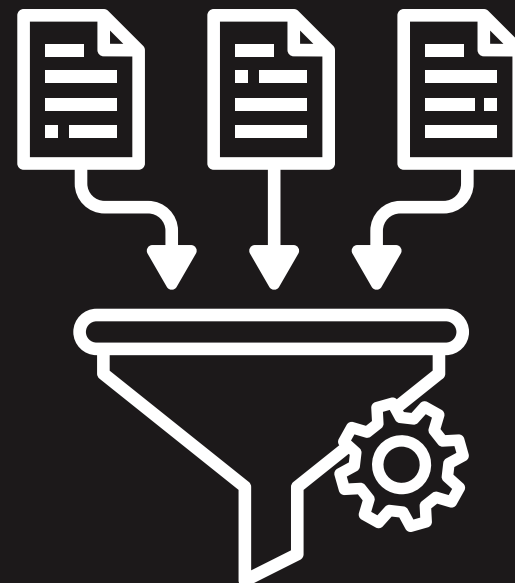


THE FRONT END

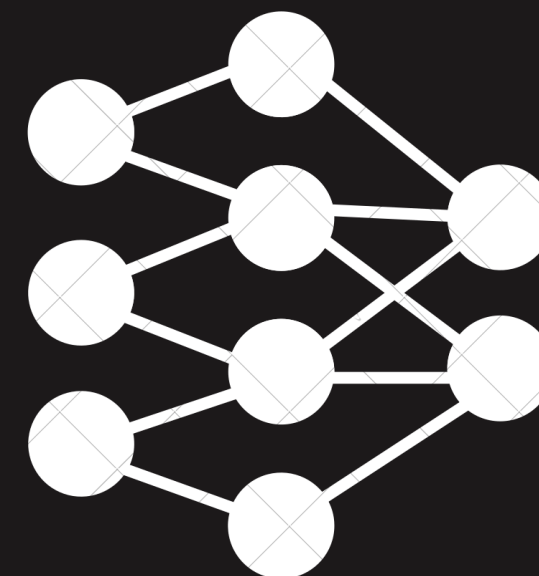




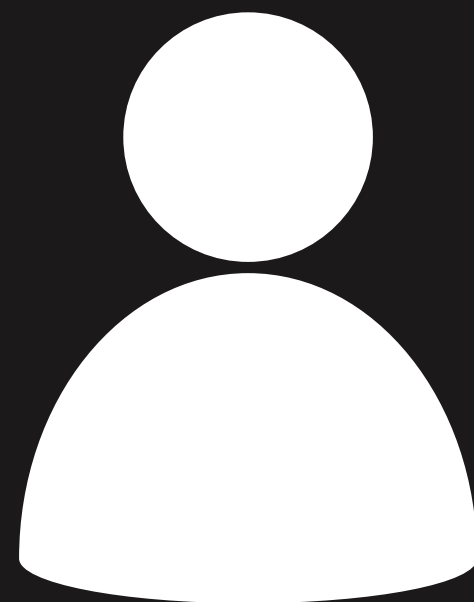
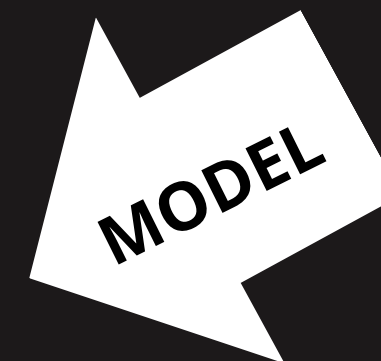
Internet



Web Scraper



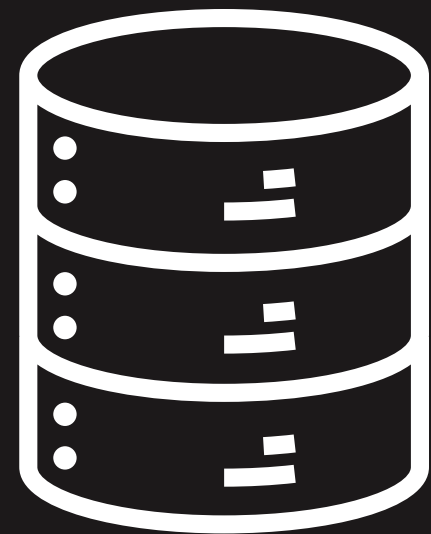
Text Classifier



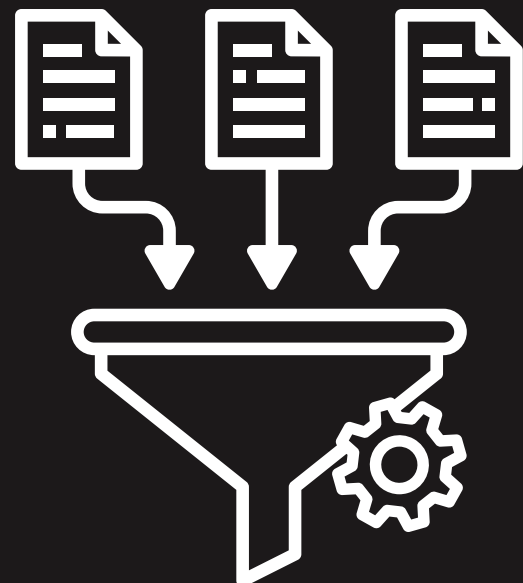
User



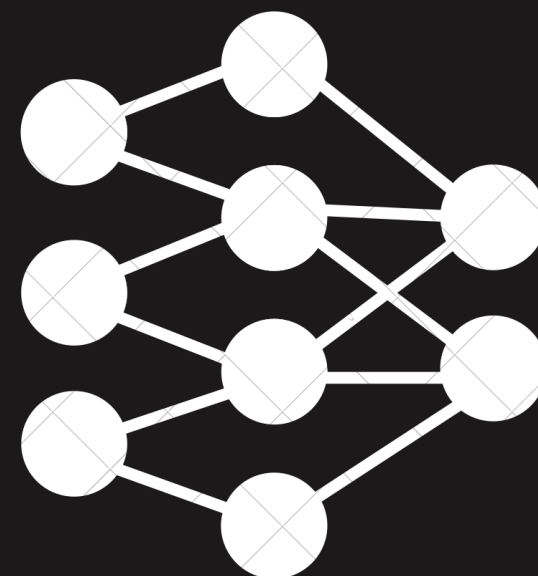
Front End



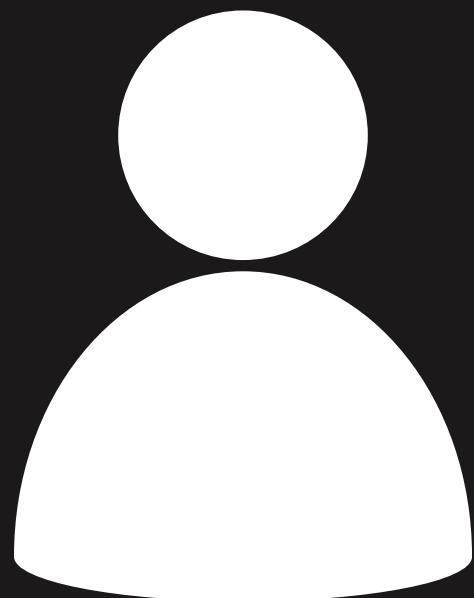
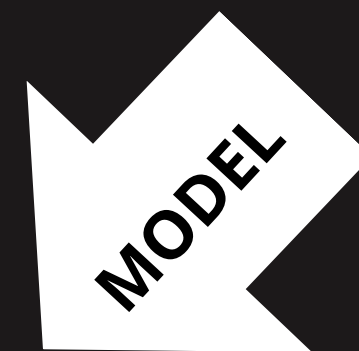
Internet



Web Scraper



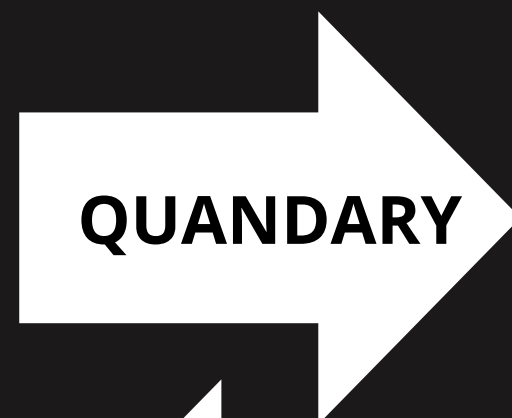
Text Classifier



User



Front End



Flask API

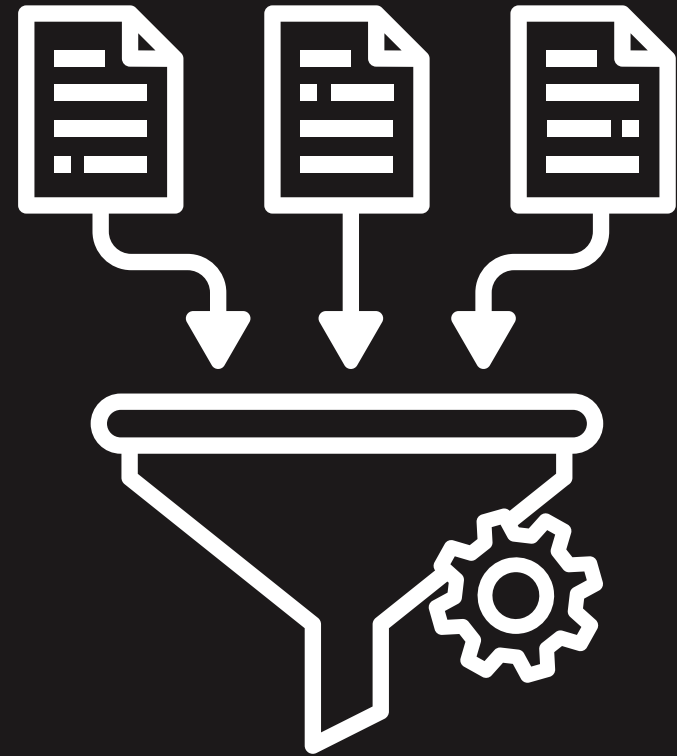
DEMO

MVP

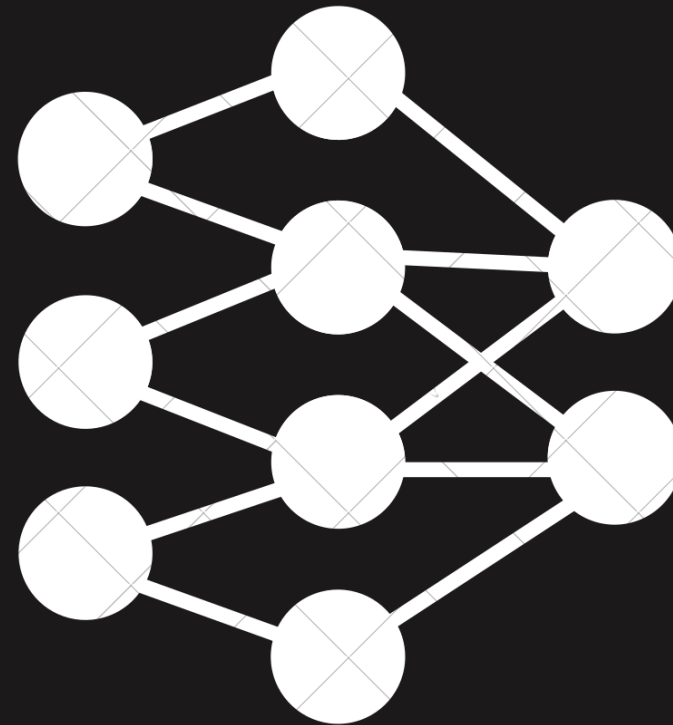
80% accuracy
on unseen
testing data



User
interface
that works



1 000 posts
scraped and
processed

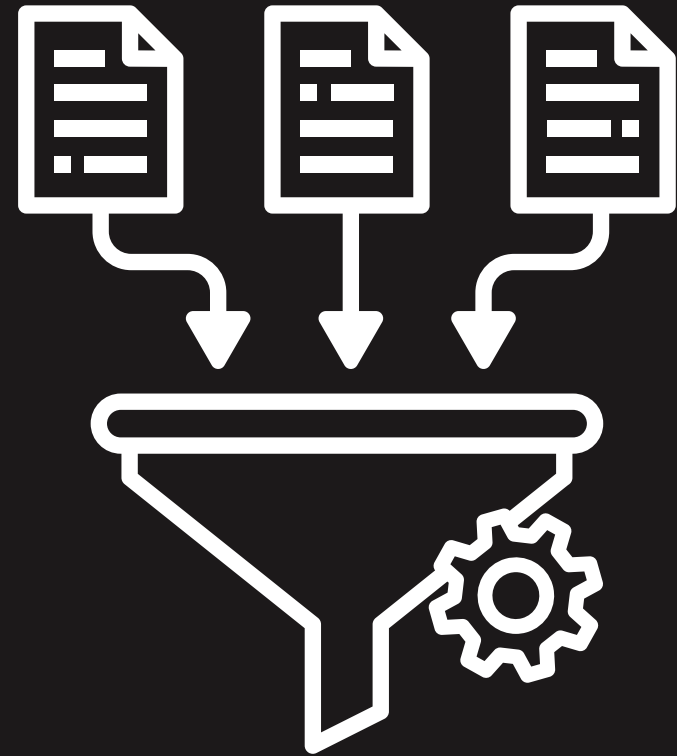
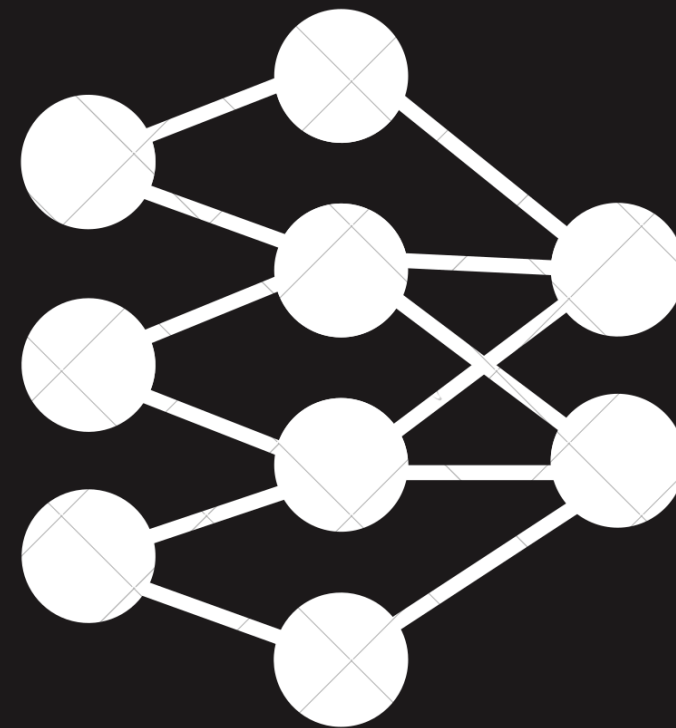


MVP

80% accuracy
on unseen
testing data



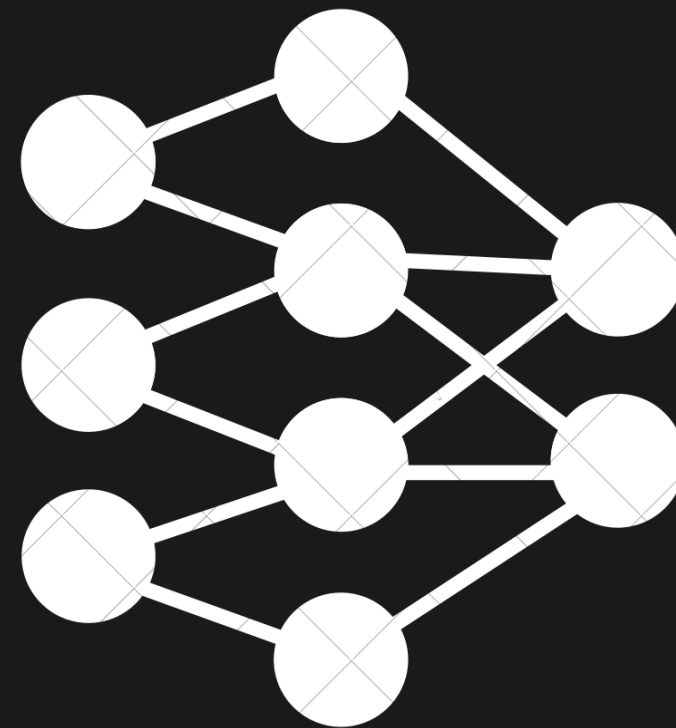
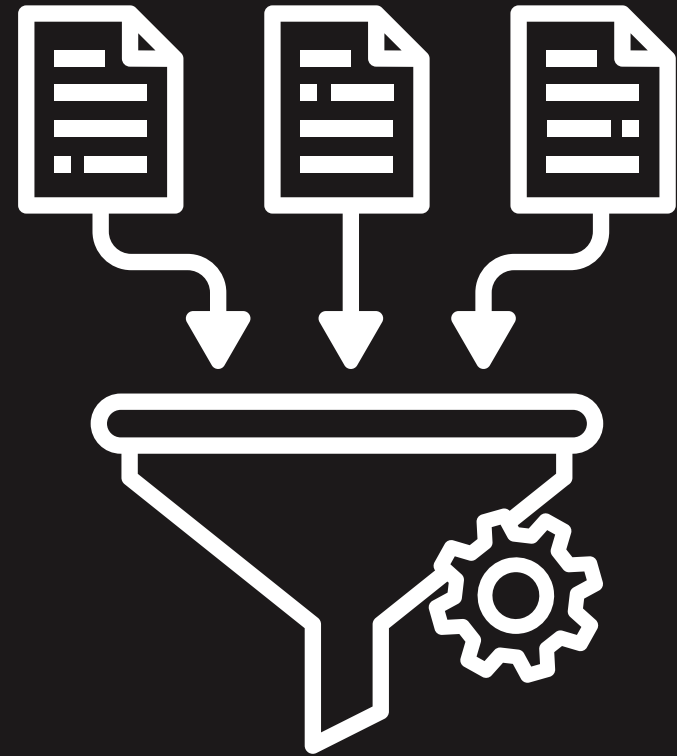
User
interface
that works



10000 p
and
processed

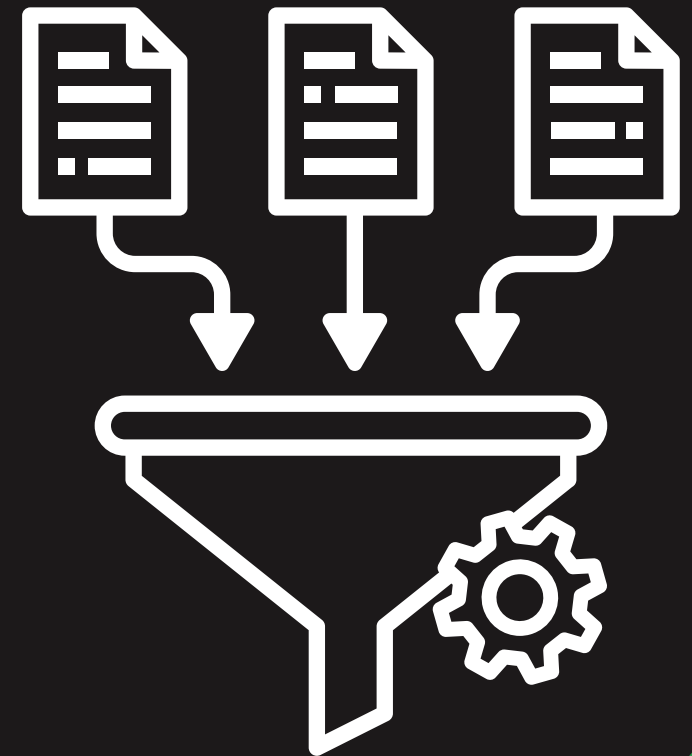
MVP

80% accuracy
on unseen
testing data

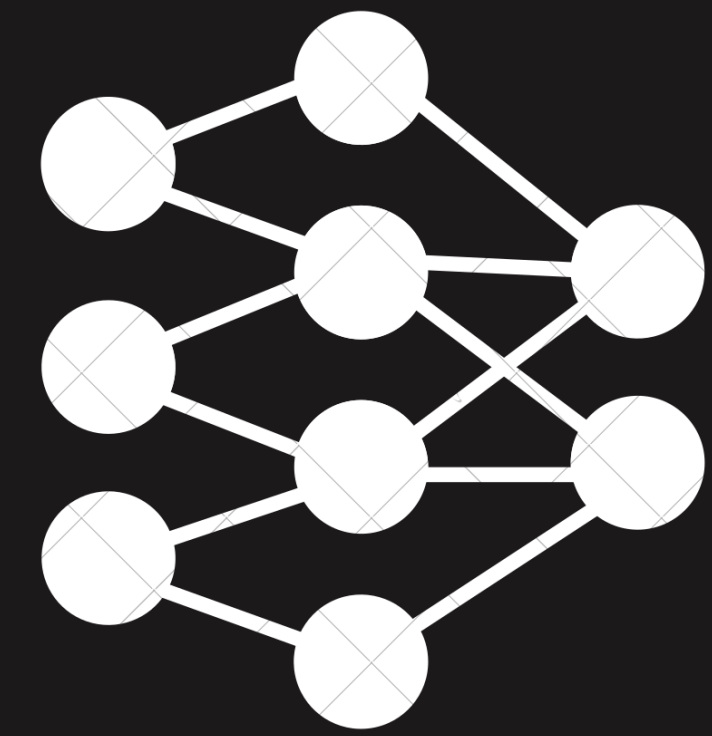


User
perf
than rks

MVP



80% of data
on screen
to data



User
perf
that rks

10000 p
and
processed

NEXT STEPS



1

Continue gathering data

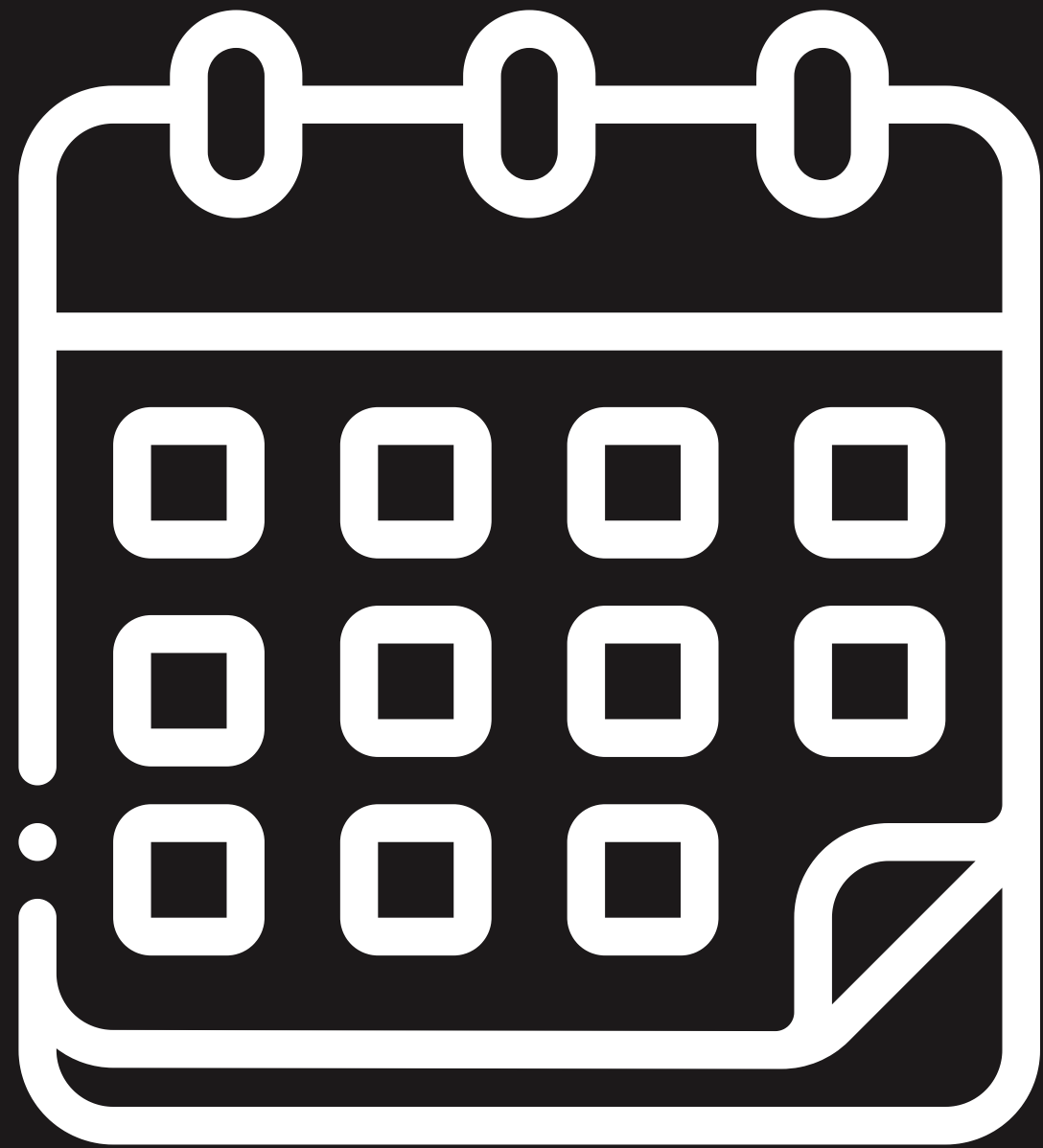
2

Tweak classifier parameters

3

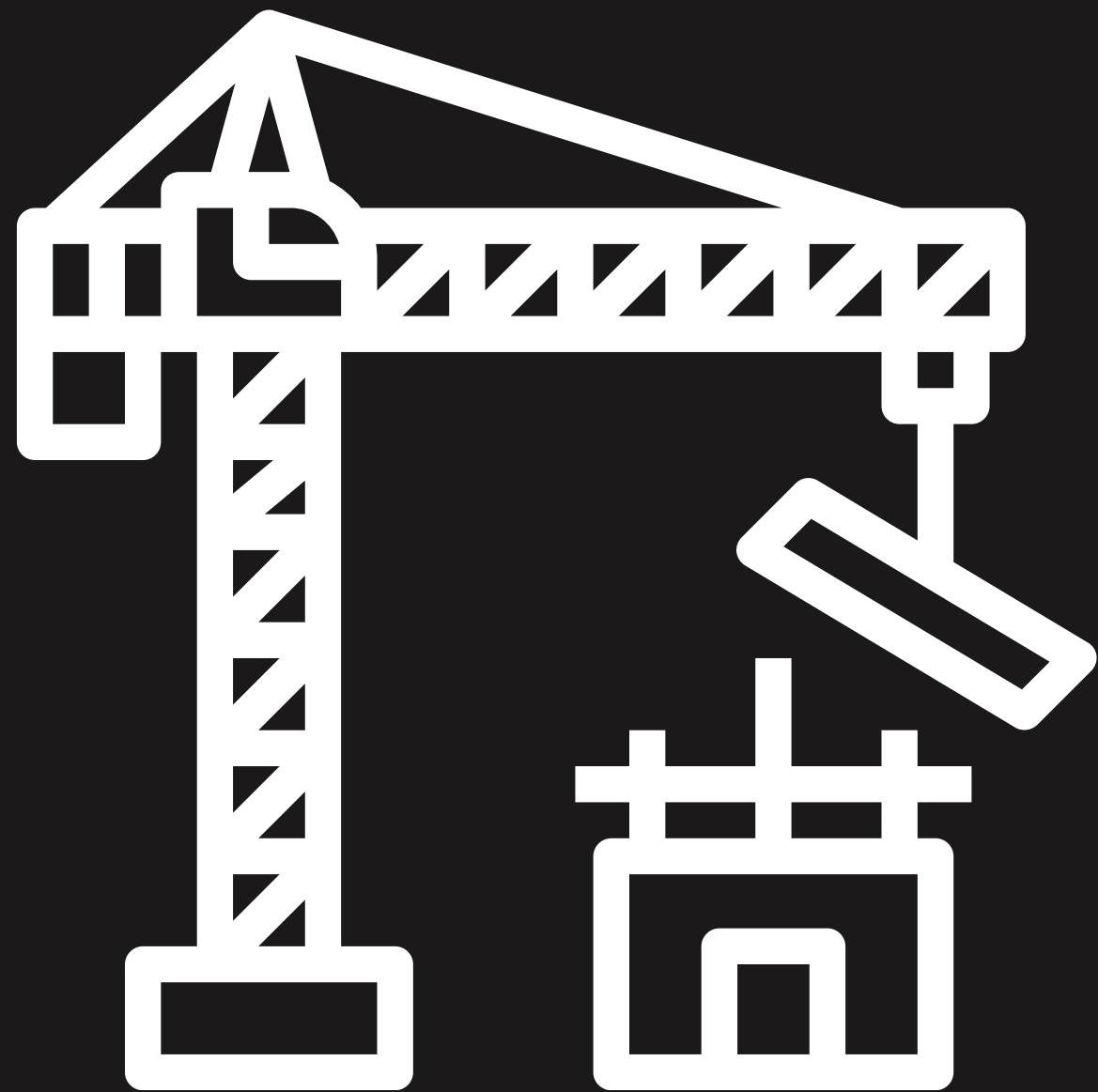
Polish user interface

NEXT NEXT STEPS (FUTURE WORK)



- 1 Go full cloud-based
- 2 Figure out native execution
- 3 Publish to App Store(s)

NEXT PROJECT



- 1 Micromanage yourself
- 2 Always find the fun
- 3 Maybe just make a web app

THANK
YOU!