# An End-To-End Crowdsourcing Platform For Pathological Images

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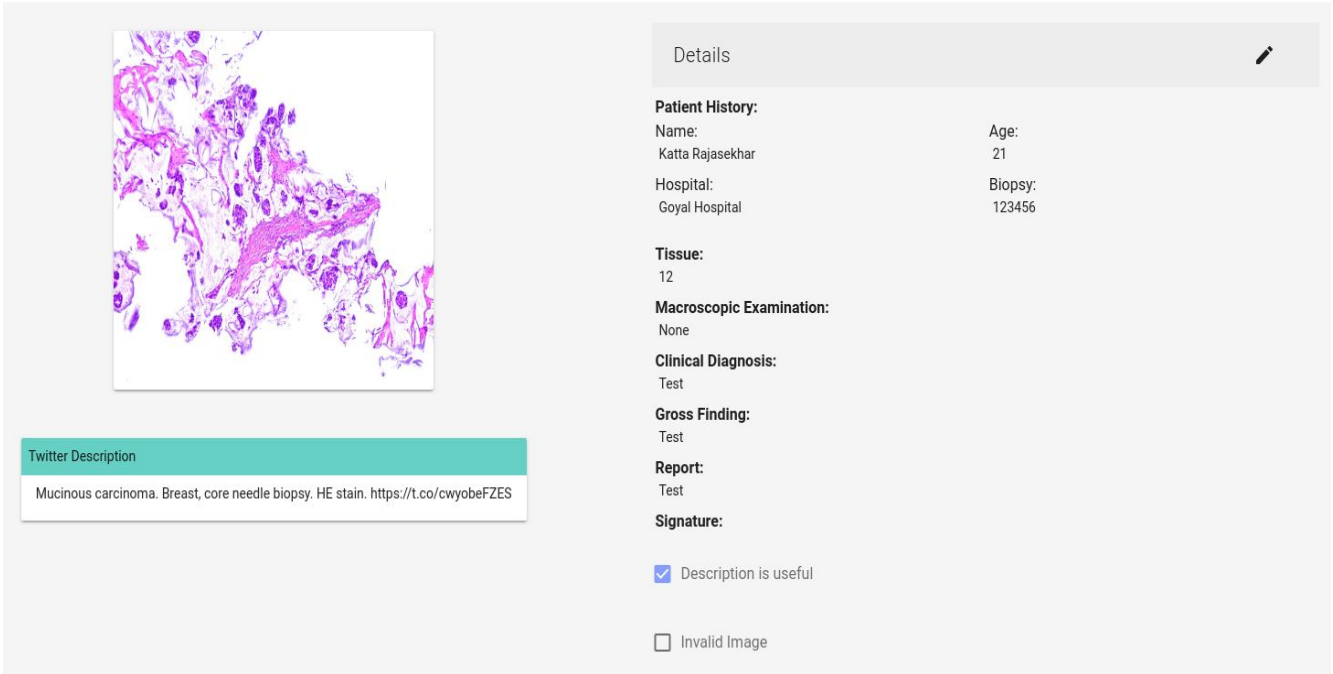
# Problem Statement

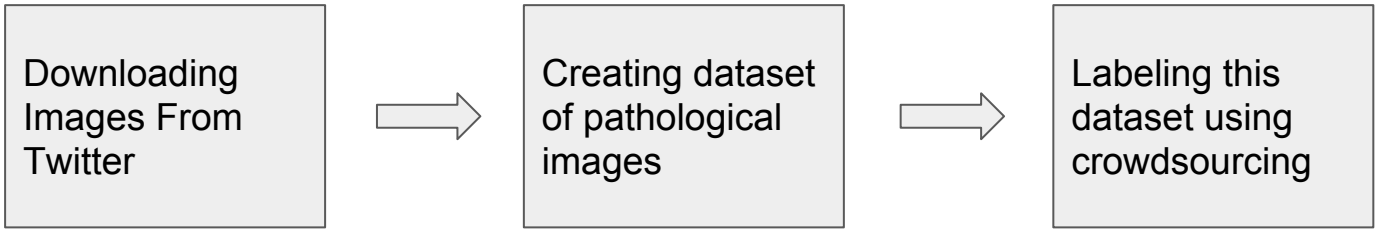
To create a labelled data for pathological images using crowdsourcing



# Tools And API Used

1.) Vue Js and Vuetify
2.) Firebase
3.) Twitter API
4.) Keras
5.) Tensor Flow

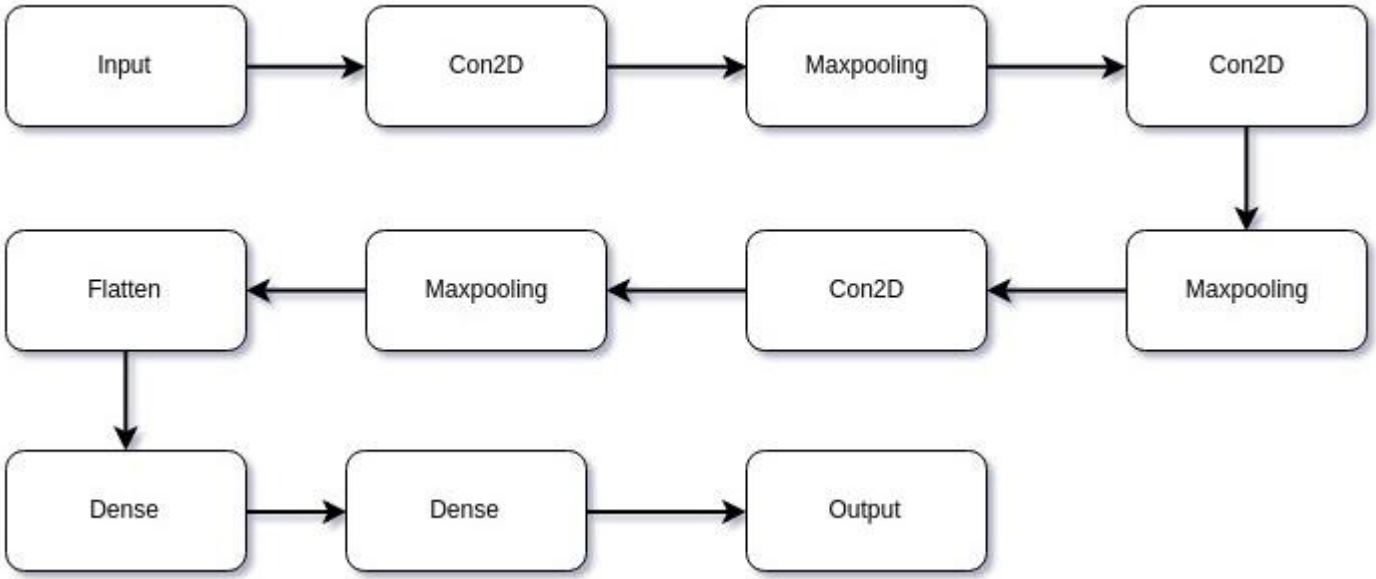
# Overview


Downloading Images From Twitter
Creating dataset of pathological images
Labeling this dataset using crowdsourcing

# Downloading Images From Twitter

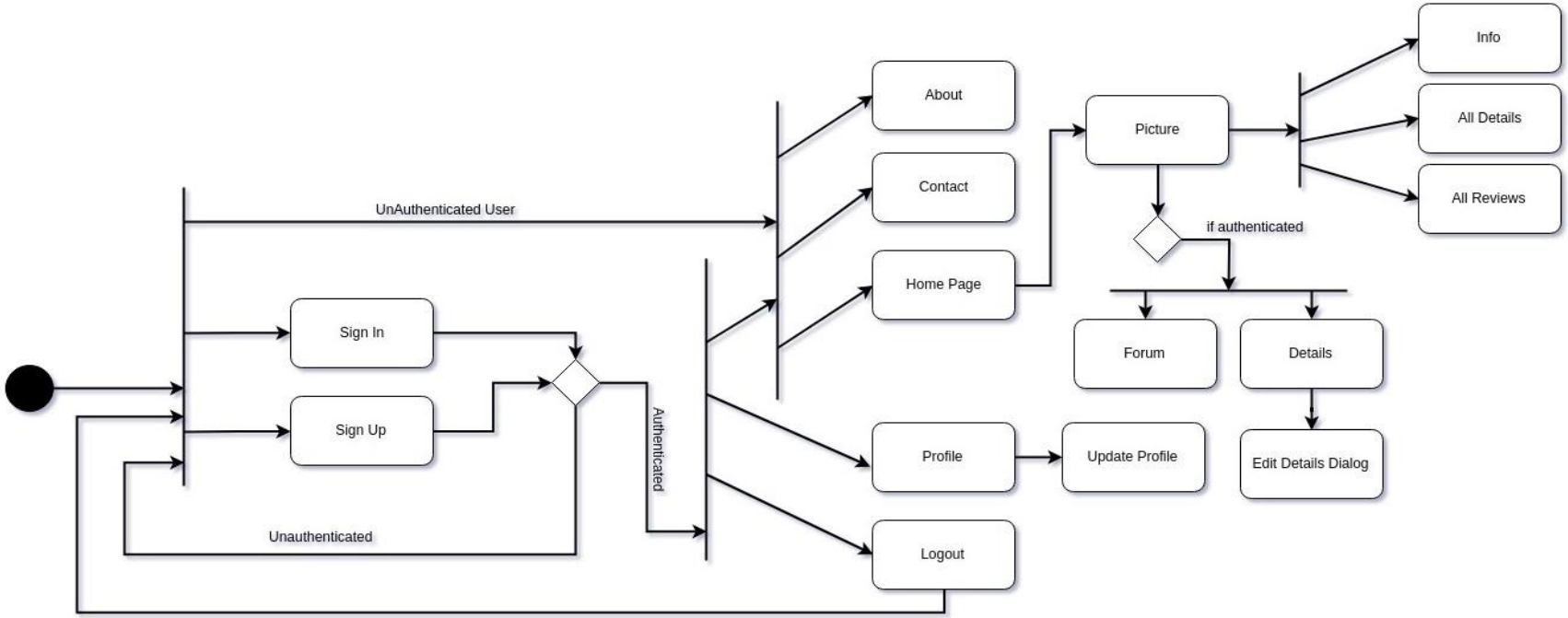
1. Download tweets of some particular person
2. Download images from tweets
3. Save both images and tweets

# Filtering Pathological Images




Input: Image
Output: Pathological(0) / Other(1)

# Crowdsourcing Platform




Website Flowchart

# Conclusion and Result

1. Download 8000+ images out of which 4731 images are predicted to be pathological images
2. Trained classification model with an accuracy of 95 percent
3. Built website with expected features

Thank You