

# Skin Scan



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# Idea and Significance

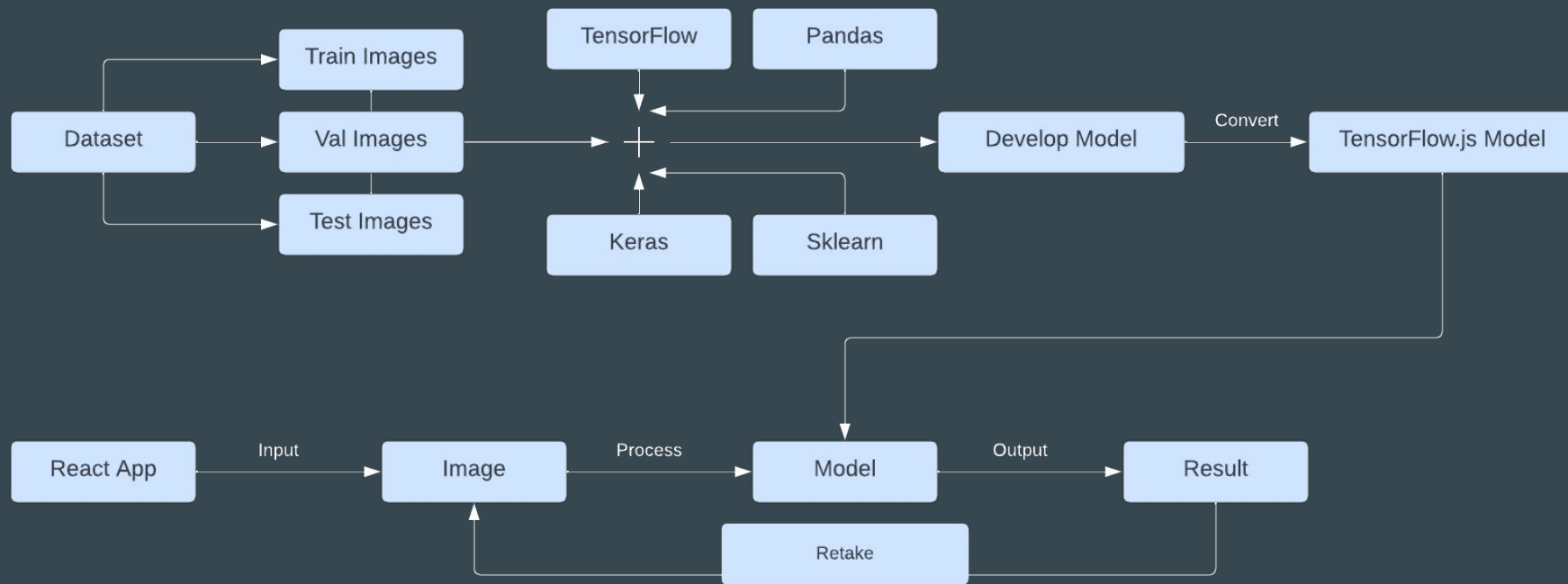
## **Idea:**

Develop a self-trained model to accurately identify different skin conditions

## **Significance:**

- AI in medical field improves accuracy of diagnoses, drug discovery, and reduces costs
- Ease of use
- Model trained on different lighting conditions and skin pigmentation
- App runs locally, privacy concerns

# Design



# Requirements and Challenges

## Requirements (%83 complete)

- Model exceeded given requirements substantially (3/3)
- App load image and app being put onto google play store, results not printing (2/3)

## Challenges

- Tools and Programming Languages (learning curve)
- new concepts and topics (learning curve)
- Time

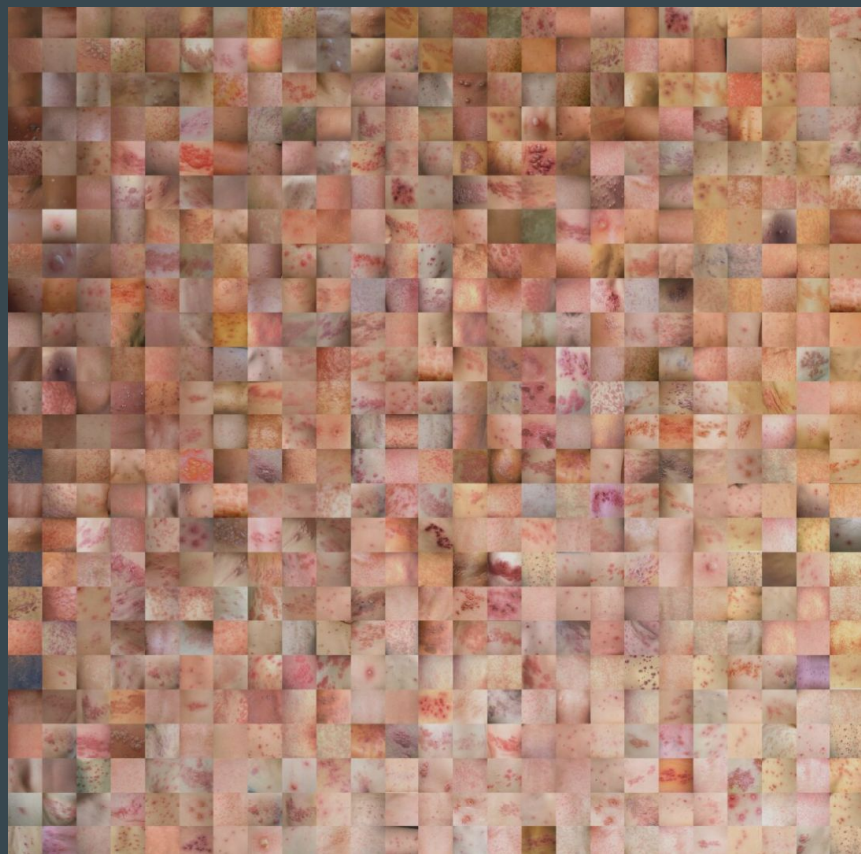
# Images

Three classes of data for model

- Chickenpox
- Measles
- Shingles

(Monkeypox excluded)

200 images for each classes, 600 total



# Code Walkthrough

# Release Notes Summary

- Model compilation results can sometimes have overfitting, depending on the seed
- App cannot display prediction results to the user
- App bug where sometimes using camera does not work