Rest API with python on backend - released in Docker

Frontend built in android studio Java

Functionalities:

* Image optimisation
* File compression
* Store data changed in file locally.

Build CI/CD pipeline for testing - TDD

Create UML Models beforehand.

02 design UML models

06-07, build rest api to see if python and java can communicate

Python Description:  
Chart, box and whisker chart

Description automatically generated

Authentication:

Depending on URL given, the main system will select which class to run. The authentication class will be responsible for communicating with a database on AWS for user verification, users will additionally be given option to use default device security such as their system’s built in fingerprint scanner.

Face Recognition:

Diagram

Description automatically generatedThe application will automatically scan for faces and prompt users to add their name should they choose to. If the face had already been identified in the past, then the person’s name should be stored in the metadata for easy indexation.