

FACE DETECTION & IDENTIFICATION

SAİT BURAK DEĞİRMENCİ 30278040644

VISION STATEMENT

Face detection systems have become increasingly common in the computer vision community over the last couple of years. The image is scanned for a set of characteristic features for each person. And obtained values help to resolve identities of people in the image. This field evolves continuously.

Microsoft Cognitive Services serve bunch of libraries to process Artificial Intelligence algorithms such as: decision, speech, language, search and vision APIs. Face API is used to detect in the images and retrieve facial features of each person. Face recognition is used to match people if they are in database.

MAJOR FEATURES

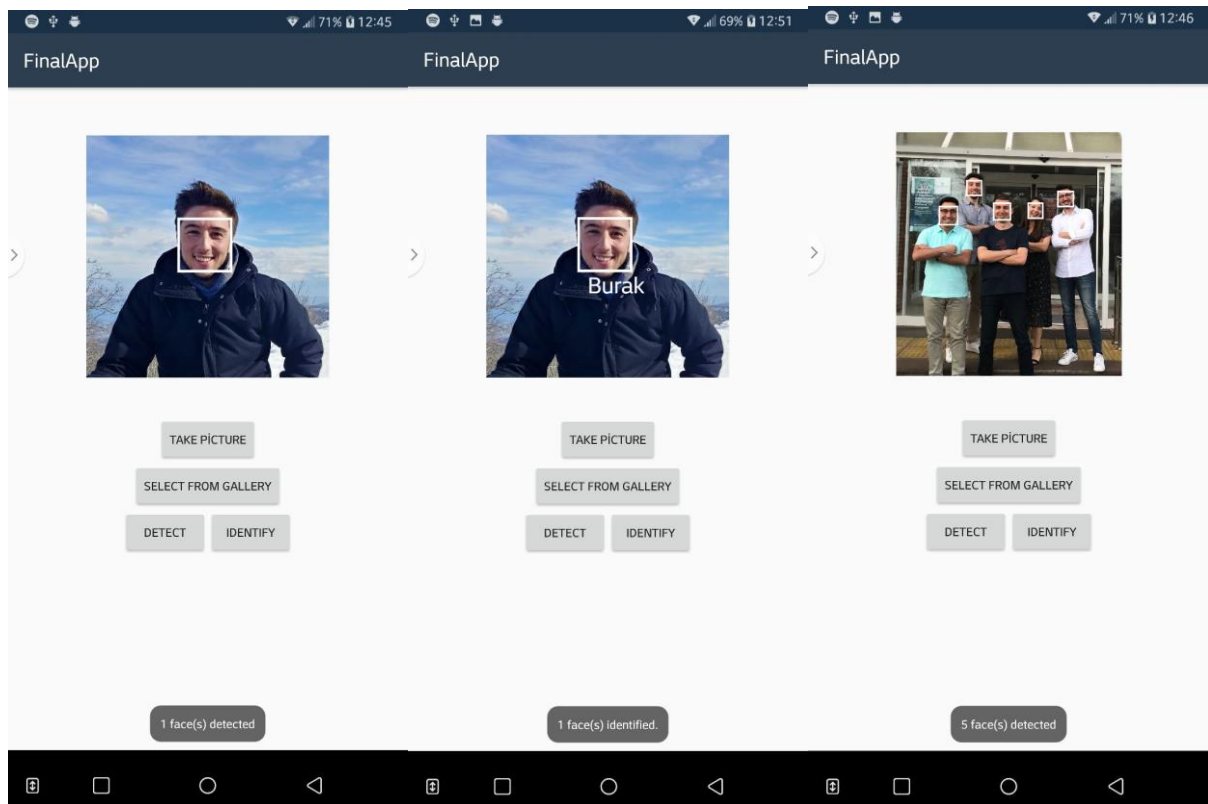
- User can take picture instantly with using camera.
- User can also select existing photos from device's memory and use it for processes.
- Detect button is used for detecting faces in the chosen image.
- Identify button compares the detected faces with the people in trained database. If there is a match, it returns the person name on the bottom of the rectangular shape on the image.

OPERATION ENVIRONMENT

The application has developed for android devices.

SREENSHOTS

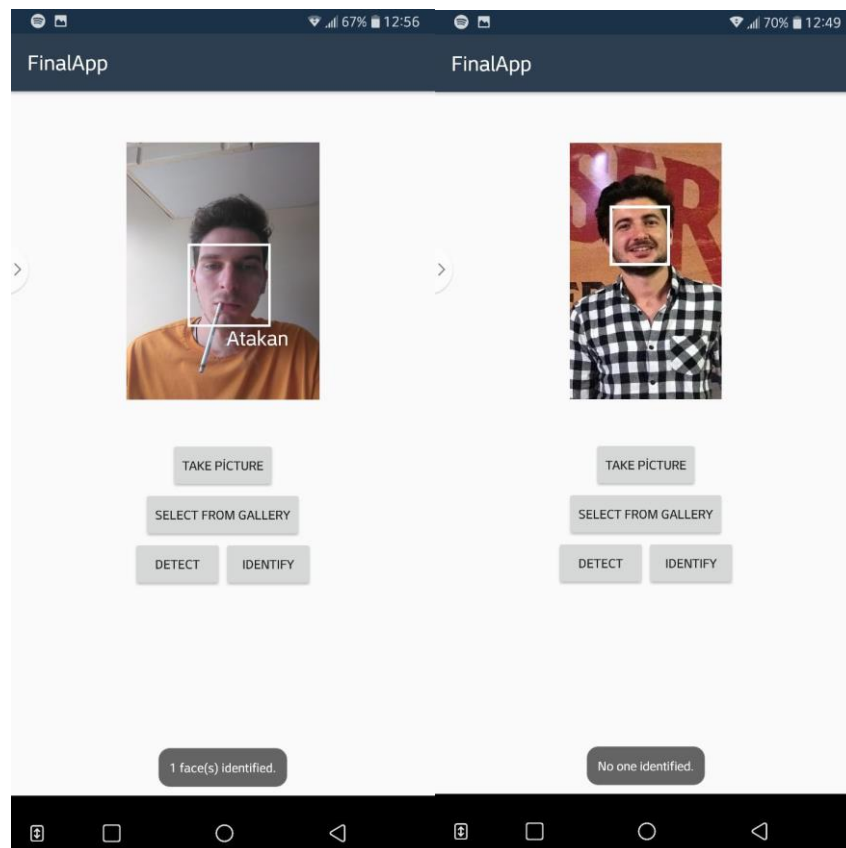
Listed in the second page.



Detection

Identification

Group Detection



Identified Person

Untrained Person