Project Completion Report

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Company: ITC Infotech, Bangalore
Duration: 10th July 2019 to 23rd August 2019

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1. Introduction

Developed an app that allows seamless connectivity in Real-time between security department of the company and its employees. Uses FireBase Cloud by Google for storing the image captured and data in the Realtime NOSQL database. When a guest comes to visit an employee, instead of placing calls to and fro. The security guard captures a photo of the guest, and takes their name. Then he places a request for authentication by concerned employee.

Application Suite is divided into 2 parts:

Camera named package: This is the (ITC-req) Requester app. The security guard take a picture of the guests. Take input data such as name and phone number, concerned employee to be met. Once this is done, a request-entry is made in Realtime database of FireBase(Google Cloud). Which then moves the flow to the next intent which checks whether this request is acknowledged or rejected by the concerned employee.

MyLogin named package: This is the (ITC-acq) acknowledger app. The employee logins and registers his device, and then checks for any pending requests in the database. If there is he is provided with an option Accept or not. Which is then updated in the corresponding entry in the database, and removes this from request.

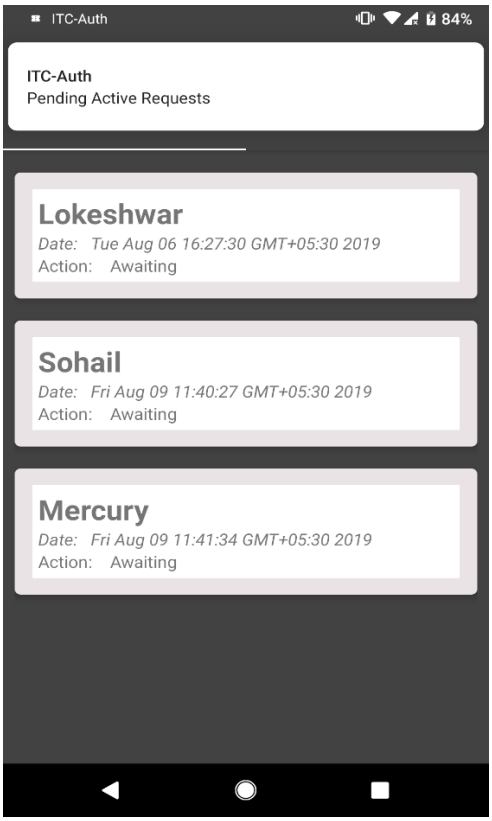
2. Tools and Technologies used to develop

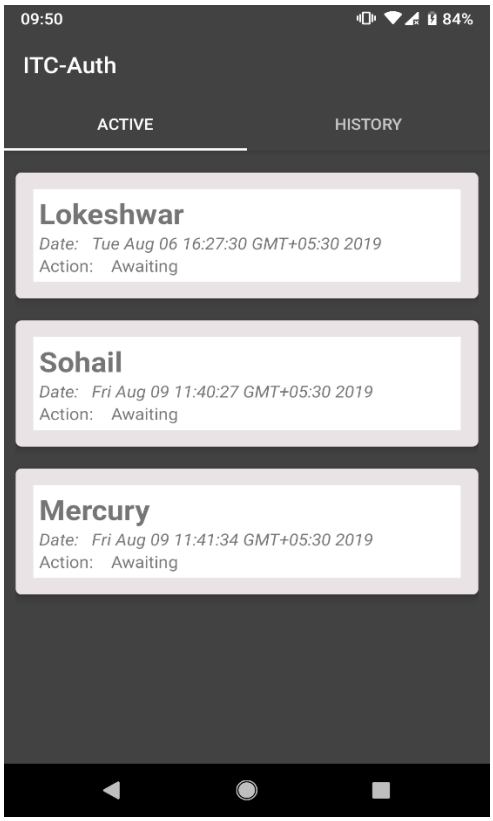
- **Android SDK Studio**
- **Ubuntu environment**
- **Android Version 8.0+**
- **Firebase Cloud (Cloud Storage, Realtime Database, and Cloud functions)**

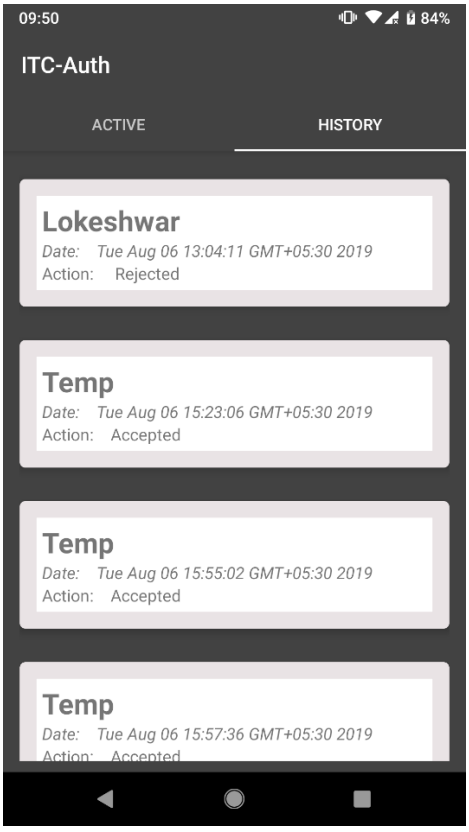
3. Screenshots

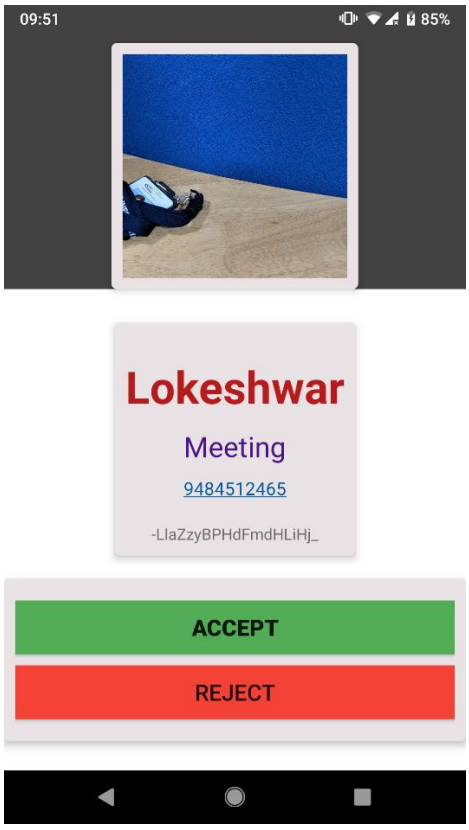
App Icons:

ITC-Auth:

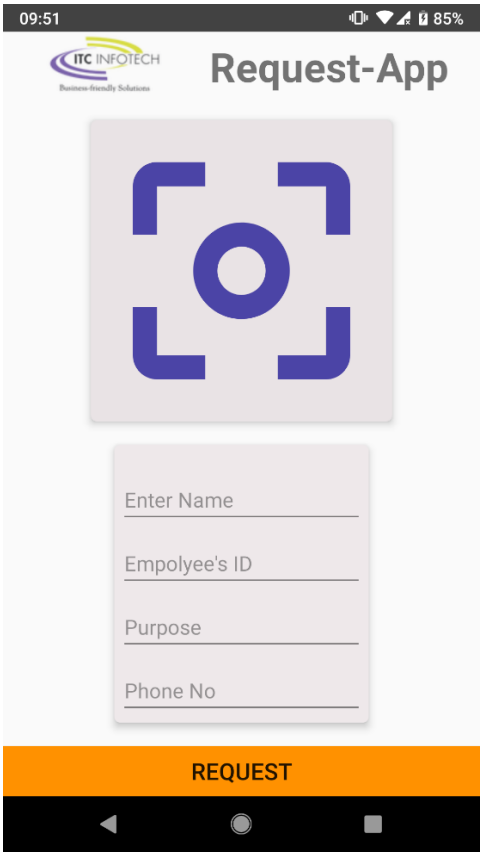


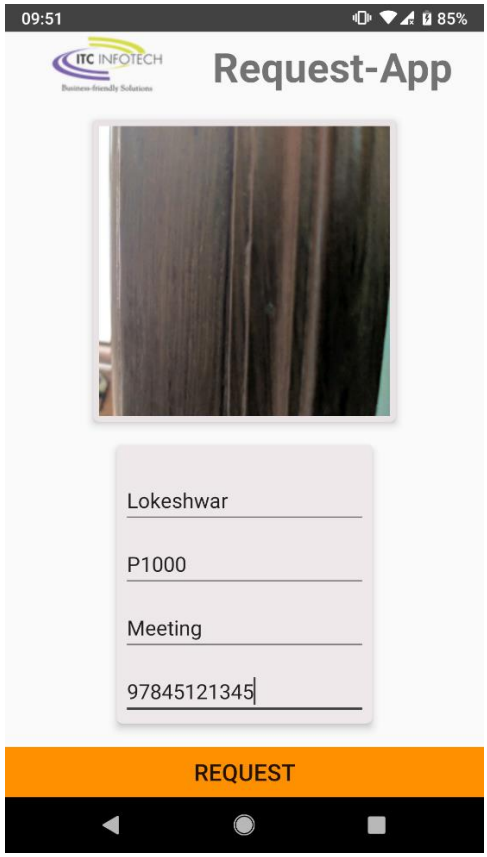


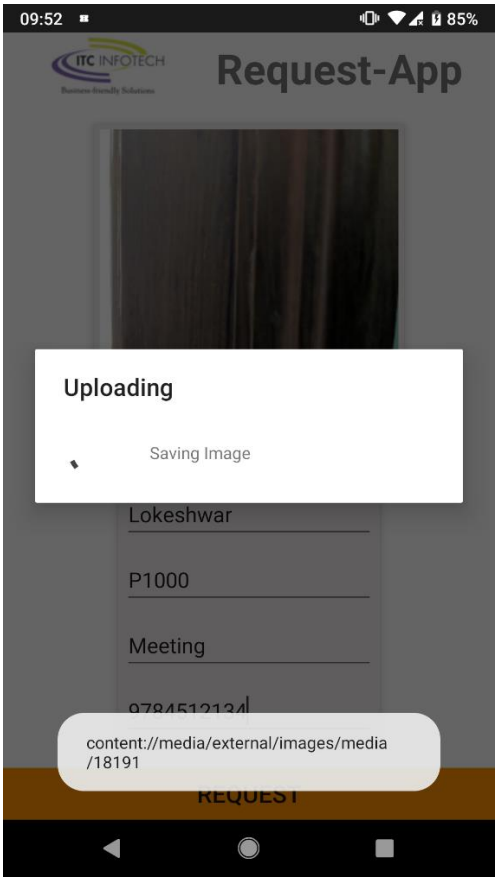

09:50
84%
ITC-Auth
ACTIVE
HISTORY
Lokeshwar
Date: Tue Aug 06 13:04:11 GMT+05:30 2019
Action: Rejected
Temp
Date: Tue Aug 06 15:23:06 GMT+05:30 2019
Action: Accepted
Temp
Date: Tue Aug 06 15:55:02 GMT+05:30 2019
Action: Accepted
Temp
Date: Tue Aug 06 15:57:36 GMT+05:30 2019


09:51
85%
Lokeshwar
Meeting
9484512465
-LlaZzyBPHdFmdHLiHj_
ACCEPT
REJECT

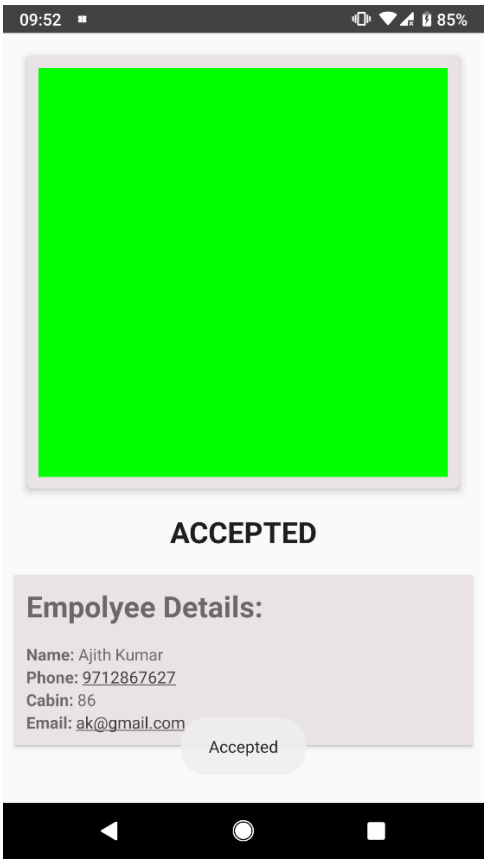
ITC-Req:

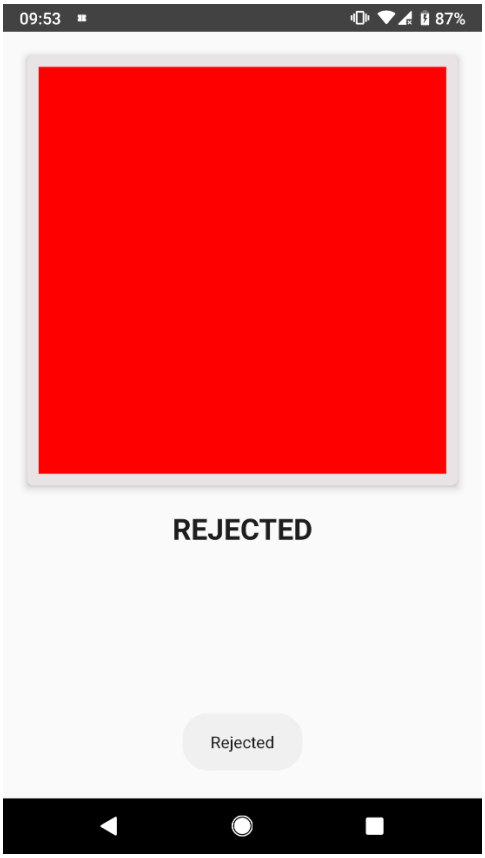

09:51
85%
ITC INFOTECH
Request-App
Enter Name
Empolyee's ID
Purpose
Phone No
REQUEST


09:51
85%
ITC INFOTECH
Request-App
Lokeshwar
P1000
Meeting
97845121345
REQUEST


09:52
85%
ITC INFOTECH
Request-App
Uploading
Saving Image
Lokeshwar
P1000
Meeting
content://media/external/images/media
/18191
REQUEST

09:52
85%
WAIT FOR RESPONSE


09:52
85%
ACCEPTED
Empolyee Details:
Name: Ajith Kumar
Phone: 9712867627
Cabin: 86
Email: ak@gmail.com
Accepted


09:53
87%
REJECTED
Rejected

4. **Code and APK:**

Note:
Apps Tested on Device-Pixel running Android-8.0+, requires google Play Services. Permission to access Camera and Storage.

Project Repository:

https://github.com/im-loki/authMe