# HOME SECURITY AUTOMATION

#### Group 2 -

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https://github.com/nikunjjhaveril23/HomeSecurityAutomationApp

# SYSTEM HARDWARE

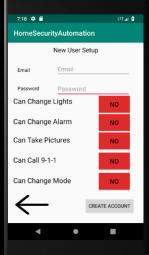
- -Arduino Board
- -Lights
- -Alarm
- -Camera
- -Motion Sensor
- -Accelerometer



## MOBILE APP

- -Allows for user to directly control home security system features
- -Allows user to manually take picture
- -Gives user ability to call emergency services if potential threat is identified
- -Can be accessed by multiple users who have different privileges
- -New user accounts can be created and user privileges can be modified





## INTEGRATED FACIAL RECOGNITION TOOL

- -Allows for automatic disarming of home security features if recognized users approach front door
- -Verifies user with pictures stored in external database that users themselves can upload
- -Algorithm is able to determine confidence in which it can identify the user

