HOME SECURITY

(ABSTRACT)

Team- Home Secure

Guiding Faculties

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Why Home Security?

It is been coined by us from the feeling that we get when we are away leaving our home alone .

Now a days the the family is becoming nuclear , and in most of the both the elder members in the family are working leaving home alone or with their children . Whenever they are away they feel the concern about security . In many situation one of the family member has to stay at home or even some time we refuses for some happening moment for this concern .

Why not to just enjoy the moments without the feeling of concern that can be easily fix .
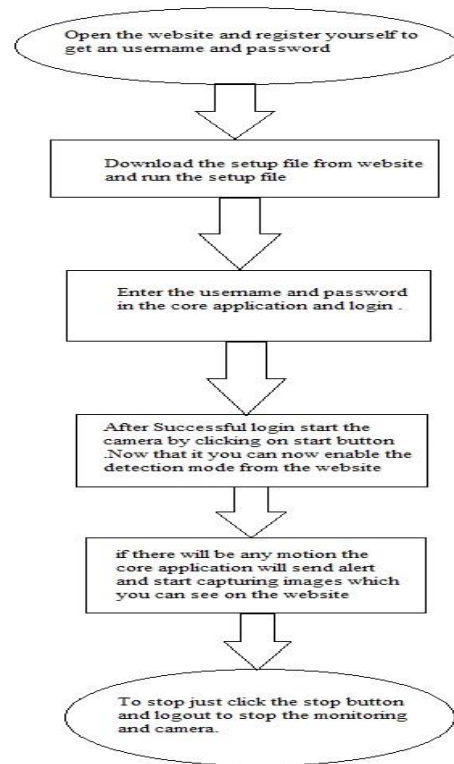
What is Home Security?

It is an Hybrid application , which integrate the camera through a core java application . It only get activated when there is a motion detected . It take the picture proof of it send them to the cloud so that whenever you require them to validate they are there . It also notify you at the same time with a text message to your register number with all details . You can also login with your credentials at the same time can see the picture proof the event happened when you are away .

You can also if forgotten activate the device from anywhere in the globe .

Open the website and register yourself to get an username and password

Download the setup file from website and run the setup file

Enter the username and password in the core application and login .

After Successful login start the camera by clicking on start button .Now that it you can now enable the detection mode from the website

if there will be any motion the core application will send alert and start capturing images which you can see on the website

To stop just click the stop button and logout to stop the monitoring and camera.

Sign up panel

HOME SECURITY

Fill the following details Important

Register

General(Detail 1)

Username (generaly email)

username

First name

First name

Last name name

Last name

Purchase Detail (Free Trial)

Subscription (months)

1

Choose services

Password (Detail 2)

Password   Password

Confirm   Confirm Password
Password
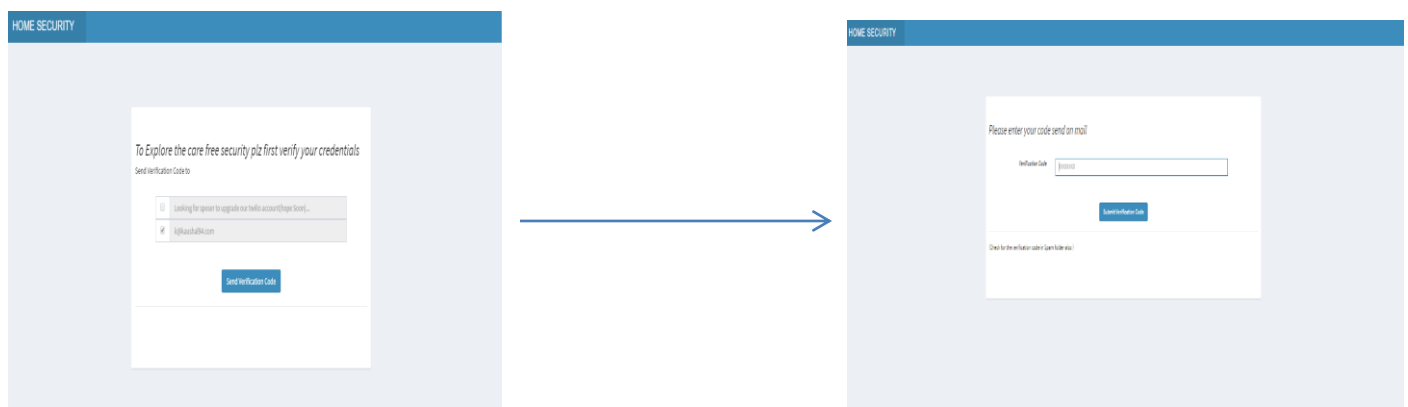
Contact information (Detail 3)

Email

abc@xyz.com

Contact no
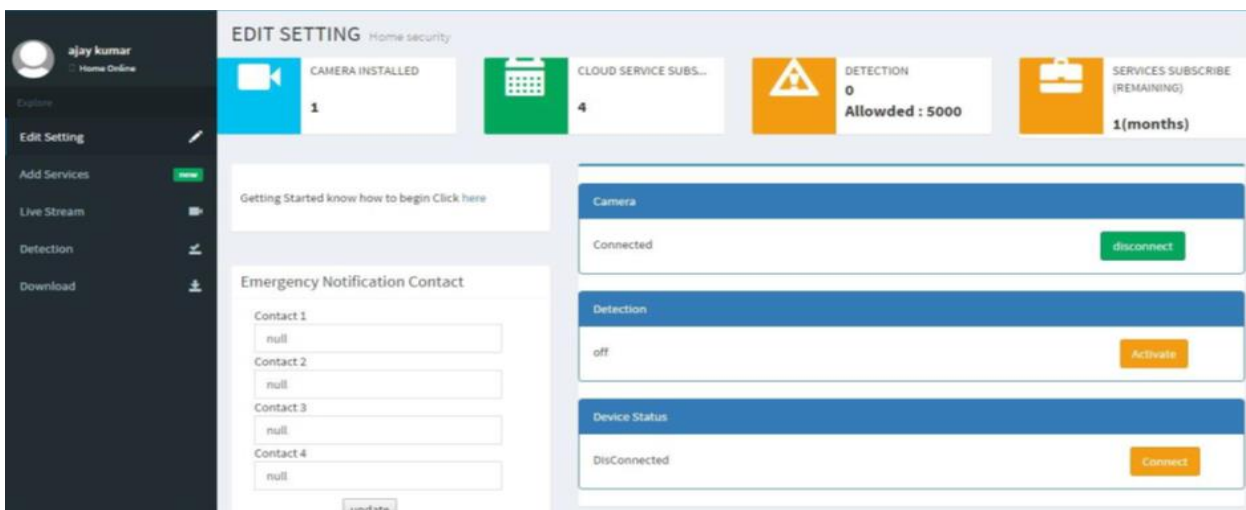
Address (max 60 characters)

Log in panel :

Validation phase:

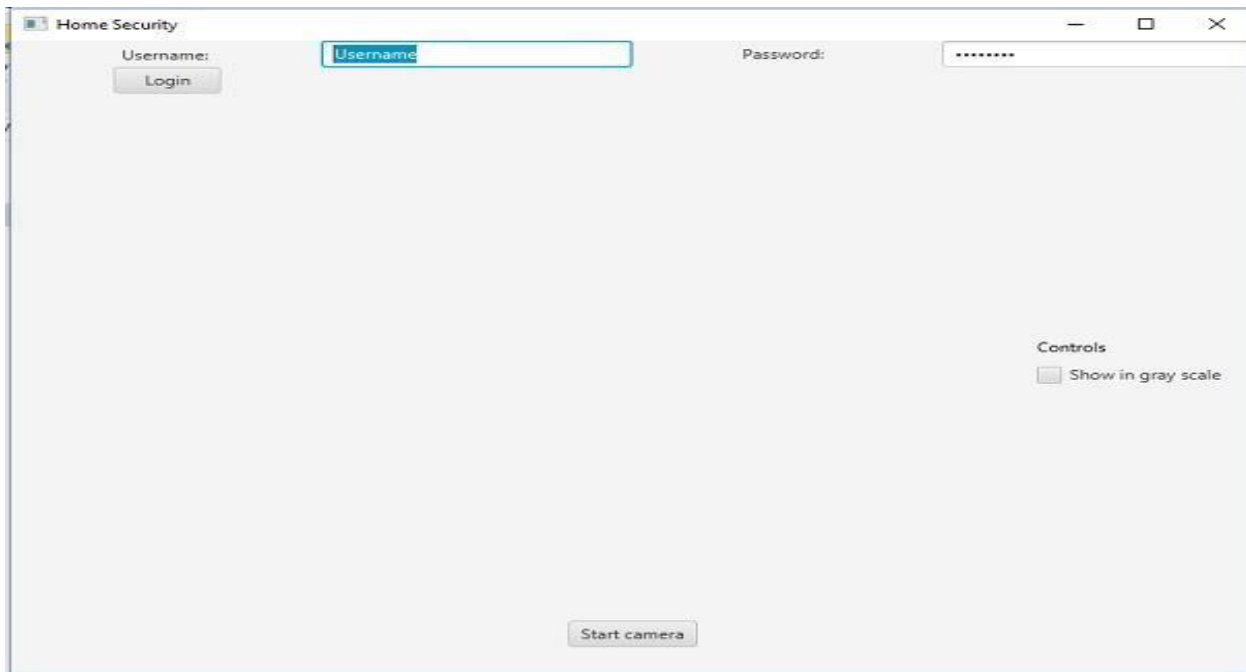

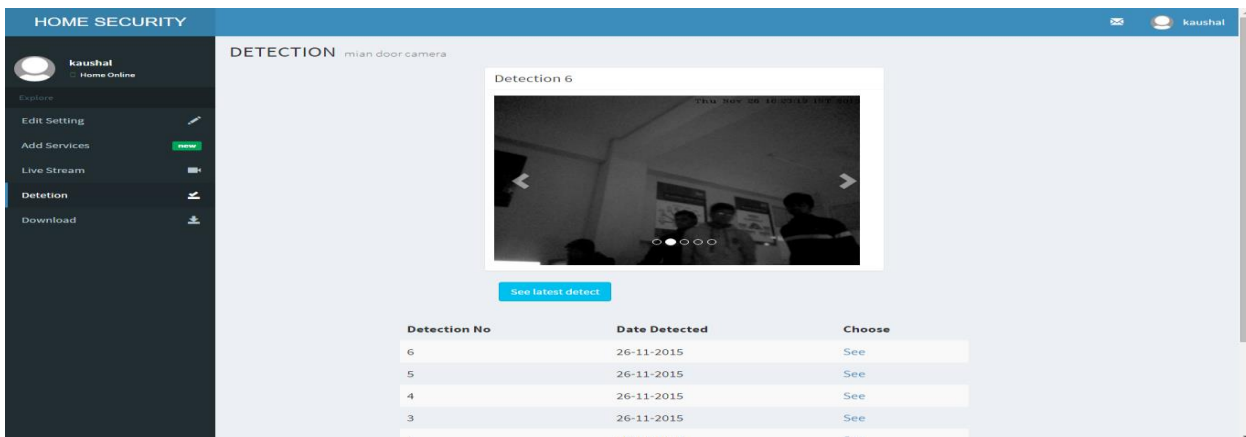Request for email verification

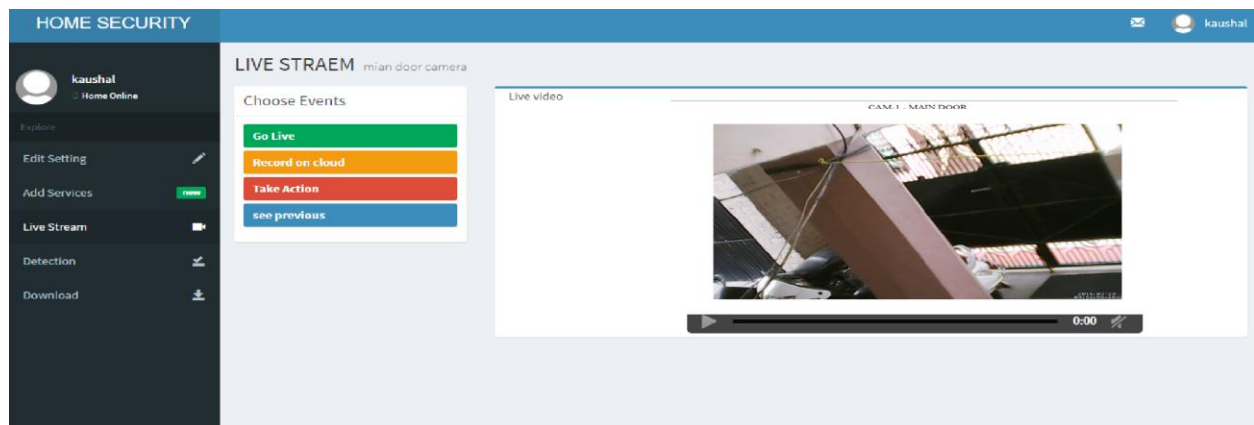Applying verification code

User panel:

Core App:

Detection Occure :

Raspberry pie for live Streaming:

Raspberry pie setup with usb camera
facing door

Live stream result

IBM Bluemix Services

Service 1- Twilio SMS Service

Twilio SMS integrated service of the IBM cloud is been used for the detection alert purpose and the alert for the "notify neighbour service "

Service 2- Send Grid Mail Service

We uses the IBM Send Grid Mail service of the ibm bluemix for news updates , for email validation for cheking the identity og the user

We integrate the mail to provide digital signature of our domain .

Service 3- Dash DB Database Service

We uses the dash DB Database as a flexible data backhand for our application providing the backhand data storage for both web app as well as core app

Service 4- Monitoring and Analysis service

Use the Monitoring And Analysis service for active measuring and seen the various health and performance measure of the web app deploy on the IBM Bluemix

Software and hardware specification:

1. A Computer (RAM >= 1 GB , Processor >= 2 Ghz).
2. A digital camera connected with the computer.
3. Java Virtual Environment (JDK & JRE)
4. Open CV 3.0.0

Conclusion:

Home Security is a must having application for every home and office and National Security (and …) so that you and your family can have a better sleep , enjoy happening moments and better future for tomorrow.

"WHY WE BELIVE WE SHOULD WIN THE AWARD"

It gone be a benchmark for the others in the market . The possibilities are unlimited with the mobility and Power of the cloud . We really need financial and platform based support to make this idea to the market with all research and prototyping. We build this for the people who need it . So that they can feel more secure and can enjoy the life little more .

It will add up to the the national Security , security and integrity among the people . In sense as a computer science student we are putting our efforts to pay back our society by this as our duty .