



ARGUS

User Manual

Contents

Introduction | Page 1

Installation | Page 1

Login | Page 2

Webapp | Page 3

Top/Side Navigation Bar | Page 3

Dashboard | Page 3

User List | Page 4

Clear/Unknown/Threat Lists | Page 5

User Profile | Page 7

Restoration Pages | Page 7

Notifications | Page 8

Troubleshooting | Page 9

Introduction

Argus is a home security system capable of instantly identifying threats on multiple video feeds around the home of a user while notifying the user of identified threats. The system is developed by Sigma for Epi-Use Labs.

Installation

A member of the Argus team will have to come around to your property to link your home security cameras to a central Raspberry Pi (a small single board computer). The Raspberry Pi will be used to connect your cameras to Argus' server and allow you to receive notifications and view your cameras from anywhere using Argus Webapp.

Argus Webapp and server will be available for download from <https://www.argus-app.herokuapp.com>

Login

A member of the Argus team will register you with a provided email address and basic password. You must use these login details for your first login into the webapp and immediately change your password to ensure your account is safe.

If you happen to forget your password, click the “Forgot your password?” button, located at the bottom right of the login box, and we will send you details to login again. After this please ensure that you change your password on the User Profile.

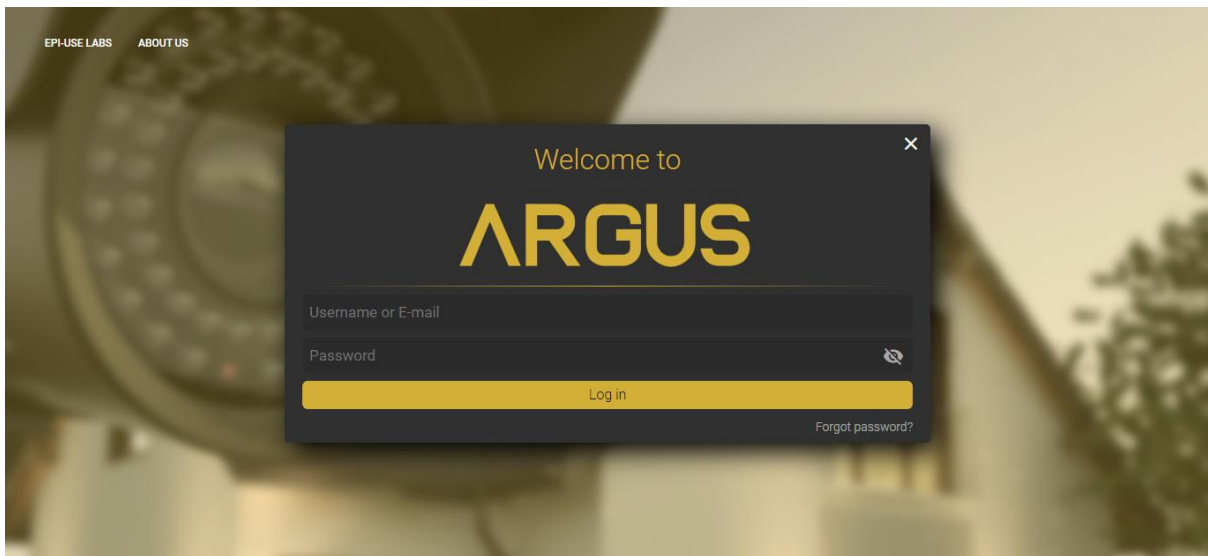


Figure 1: Login Box

Webapp

Top Nav-Bar: The top navigation bar can be used to quickly view recent notifications, access your user profile and settings or logout. Email and local notification can be toggled on and off by clicking the settings icon.

Side Nav-Bar: The side navigation bar can be used to quickly navigate to different pages of your Argus system.

Dashboard: The dashboard page is used to display a live feed of all of your home-security cameras as well as quick access views of system statics and useful information unique to your system. Cameras can be disabled and enabled by clicking on the camera number.

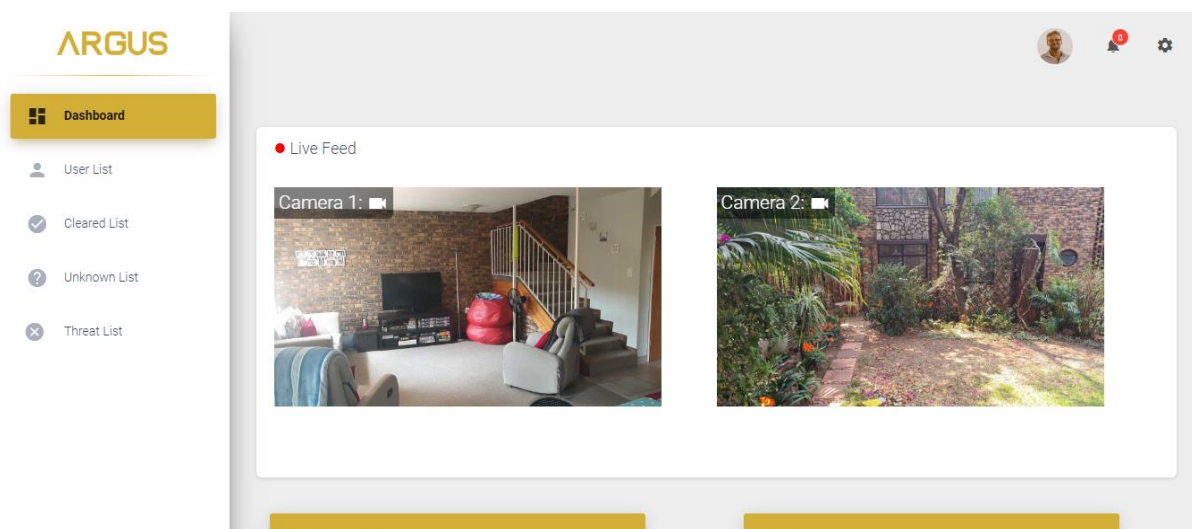


Figure 2: Dashboard

User List: This page can be used to view all users who have access to your Argus system. The user can add and delete users. In case you delete a user by accident, you can press “Restore” and get a list of all deleted users and restore the correct user.

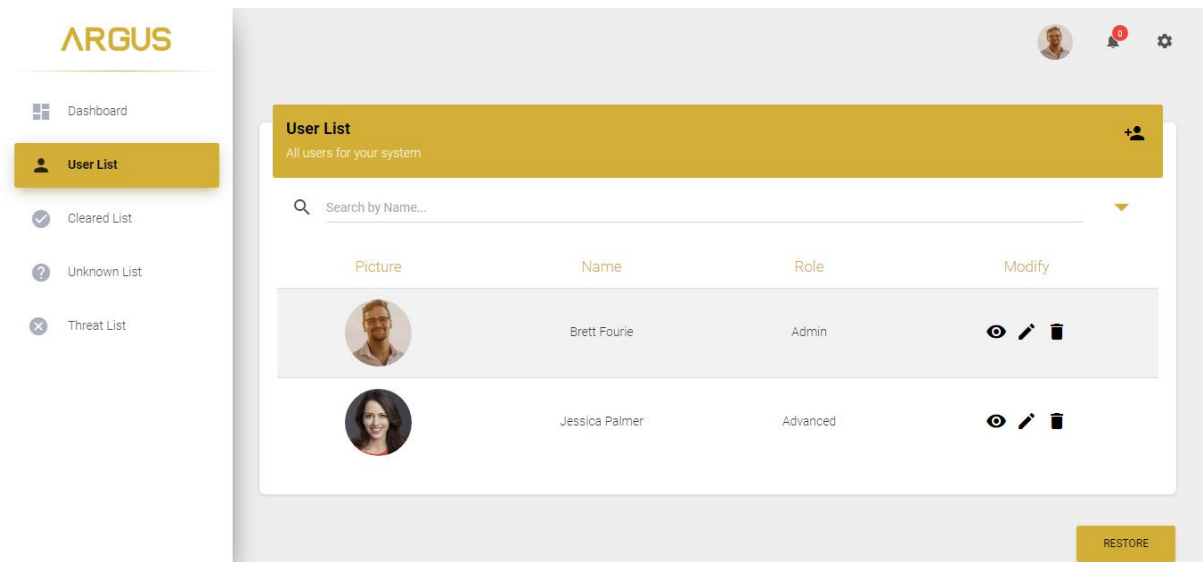


Figure 3: User List

Cleared List/ Unknown List/ Threat List: The three list pages are used to display a list of people recognised by Argus. The Cleared List is used to identify people who are allowed to access your property without notifying you. This is used for family members or people who will frequently access your property and are of no threat to you. You can manually add people to the white list.

The Threat List is used to identify unwanted people on your property. You will receive notifications as soon as these people are recognised by Argus. People can be added to or removed from the list manually.

The Unknown List is a temporary list used to store all people recognised by Argus. You can add these people to the Cleared or Threat List or leave them to be deleted automatically later.

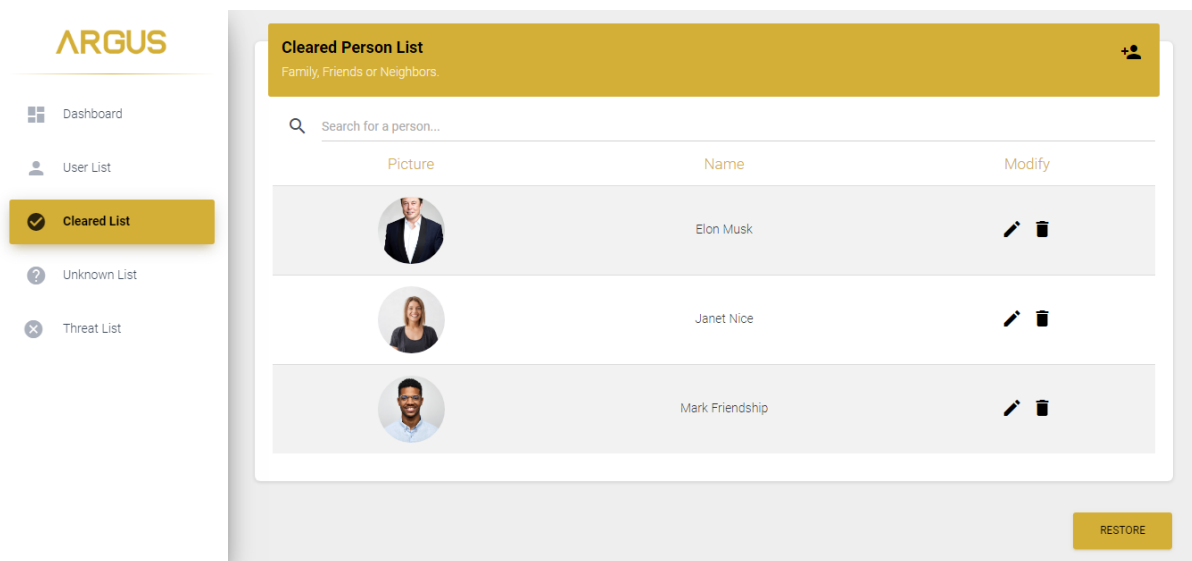


Figure 4: Cleared List

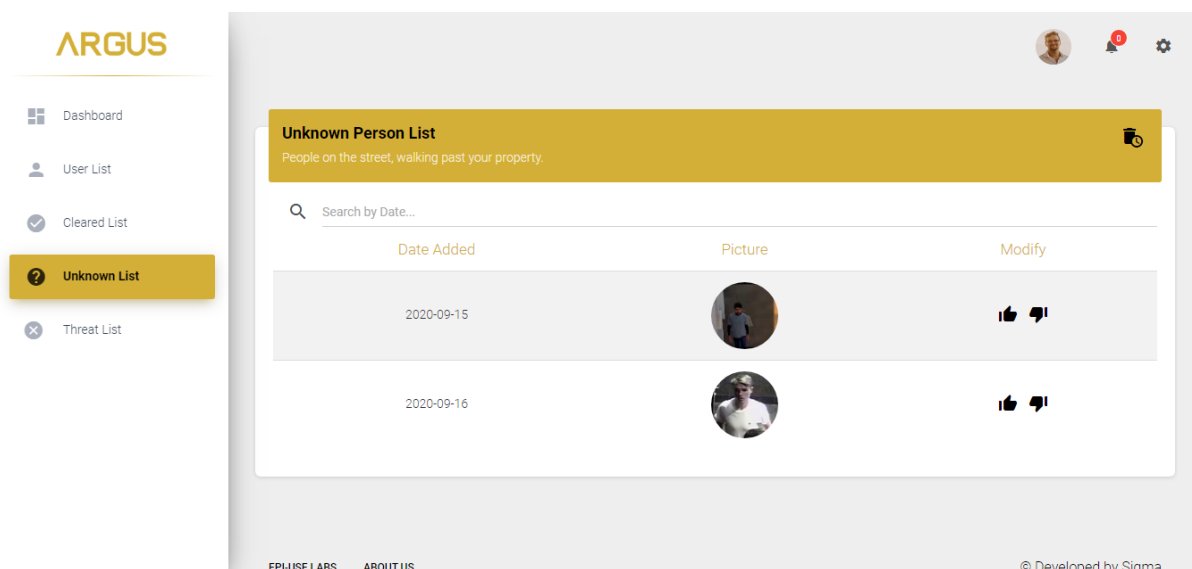


Figure 5: Unknown List

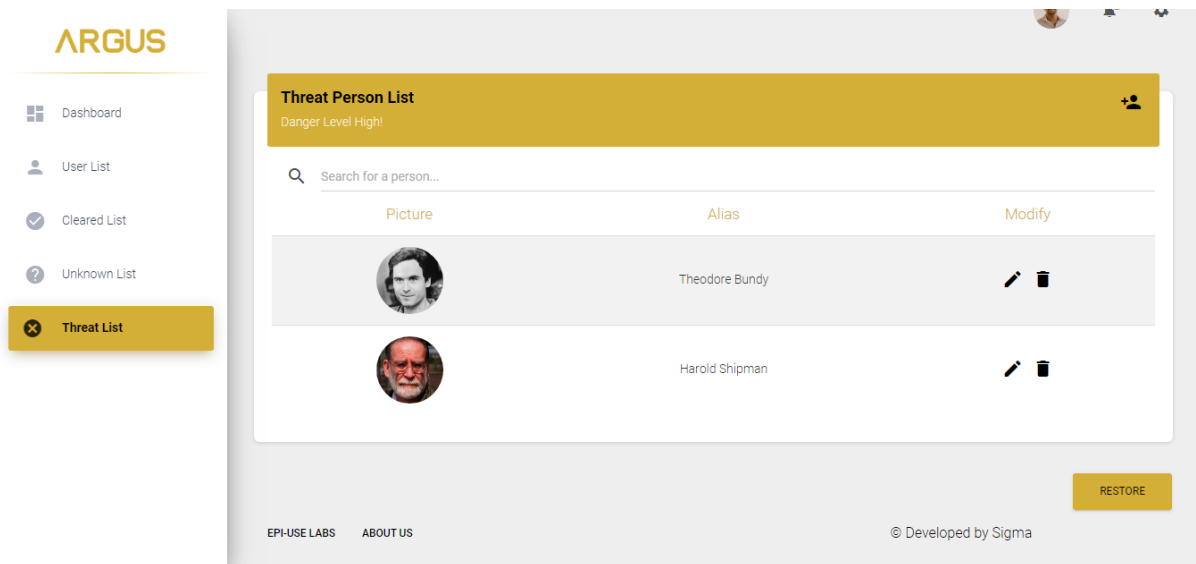


Figure 6: Threat List

User Profile: Your account details and password can be viewed and updated on this page.

ARGUS

Dashboard

User List

Cleared List

Unknown List

Threat List

User Profile

If you want to reinvent yourself, here is your chance.

First Name: Brett

Last Name: Fourie

Username: Brett4e

Email: SigmaCOS301@gmail.com

Contact Number: +27795748894

UPDATE DETAILS

Figure 7: User Profile

Restoration Pages: A cleared or threat level person and users can be deleted easily on their respective pages. The deleted person or user can be restored just as easily by clicking the “Restore” button at the bottom of that page. Locate the correct person or user and press the restore button (circled below).

ARGUS

Dashboard

User List

Cleared List

Unknown List

Threat List

Deleted Cleared Listed People

Search by Name...

Picture	Name	Deletion Date	Restore
	Brad Stadler	2020-09-16	

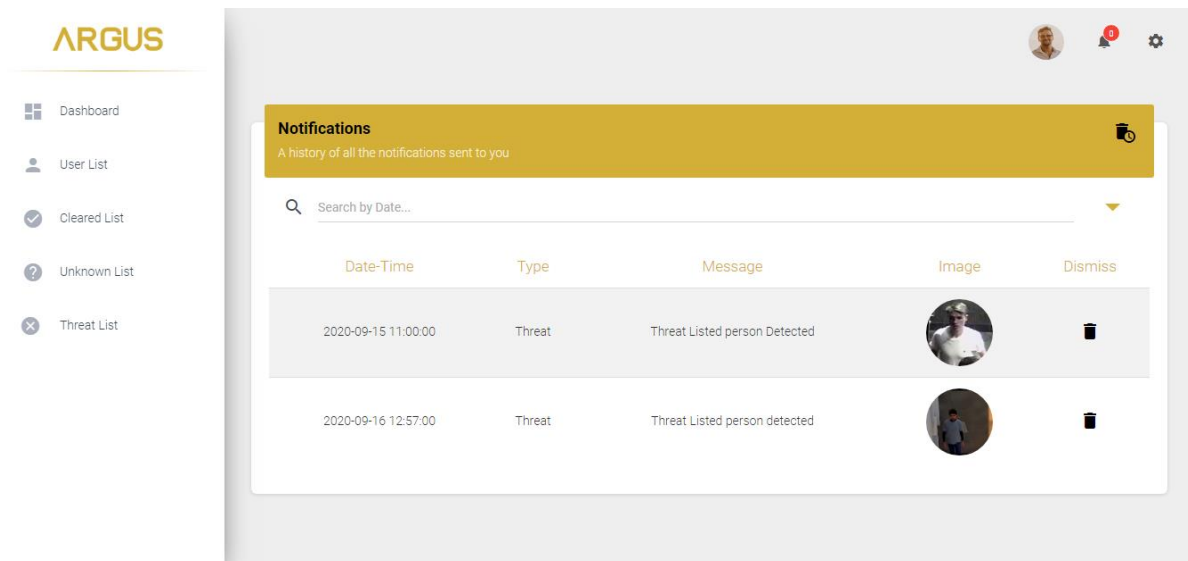
BACK

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Figure 8: Restoration pages.

Notifications Page:

To view your recent notifications, click on the notifications icon in the Top Navigation Bar. From there you will be able to view and delete notifications. Clicking on a picture will enlarge it.



The screenshot displays the ARGUS application interface. On the left is a sidebar with the ARGUS logo and a list of navigation items: Dashboard, User List, Cleared List, Unknown List, and Threat List. The main area shows the 'Notifications' page, which has a yellow header bar with the title 'Notifications' and a subtitle 'A history of all the notifications sent to you'. Below the header is a search bar labeled 'Search by Date...'. The notifications are presented in a table with the following columns: Date-Time, Type, Message, Image, and Dismiss. Two notifications are shown:





Date-Time	Type	Message	Image	Dismiss
2020-09-15 11:00:00	Threat	Threat Listed person Detected		
2020-09-16 12:57:00	Threat	Threat Listed person detected		

Figure 9: Notifications

Troubleshooting

For any queries or error reporting, please contact sigmacos301@gmail.com.