

ELVEY

Security Technologies

In partnership with



Presents the ElveyApp

Bits 'N Bytes Team

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Revision History

Version	Date	Name	Description
1	16/01/2019	Senaki Sekese Lehlohonolo Mashiyane Mpho Phaka William Phokompe	Initial Document

1 Introduction

The Elvey App is meant to centralize all the product software of a certain scope to allow you to control and monitor all of them in one place, providing flexibility and full control of your security.

2. Setup Proxy Server

- *Clone or Download the application from the git repository*

<https://github.com/lmashiya/Elvey>

- *installs required*

2.1 Installing Ionic

Ionic apps are created and developed primarily through the Ionic command line utility (the “CLI”), and use Cordova to build/deploy as a native app. This means we need to install a few utilities to get developing.

2.2 Getting Node and NPM

Most of the tooling in the CLI is based on Node and is managed through npm. The quickest way to get Node and NPM installed on your machine is through the [NodeJS installer](#). Be sure to install the LTS version of Node.

- On windows

download node.js at <https://nodejs.org/en/>

double click on the downloaded file and follow the steps given

- On iMac

download homebrew on <https://github.com/tolsadus/42homebrewfix>

then

```
$ brew install node
```

- on Linux

With Node and NPM setup, let's install the Ionic and Cordova CLI.

```
$ Sudo apt-get update
```

```
$ Sudo apt-get install node
```

Close any terminals/command prompts you may have open, run the installer, and launch a new terminal window. To verify you have everything installed correctly, you can run `npm --version` and `node --version`. If this errors, please resolve before moving on

2.3 Ionic CLI and Cordova

With Node and NPM setup, let's install the Ionic and Cordova CLI.

```
$ npm install -g ionic cordova
```

Note: The `-g` means this is a global install, so for Windows you will need to open an Admin command prompt. For Mac/Linux, you might need to run the command with `sudo`.

3. Technologies used

The ionic framework uses typescript to develop native applications for both android and ionic devices and it can be run on any ide, such as atom, visual studio code and/or intellij

4. Access The Application Code

Now that all installations needed are done, lets start by accessing the application folder in Downloads/Elvey. The application uses firebase, inside the application folder, run

```
$ npm install firebase @angular/fire --build-from-source
```

and

```
$ ionic serve
```

to run the application

The application folder is structured in an easy to understand manner, and all the code for developing the project is in src(sources) folder and pages.

You have the option of generating a page according to your desired specification by running

```
$ ionic generate page yourPageName
```

Please refer to the Ionic documentation on how to use ionic framework

5. Introducing the source code

Each and every page is identified by the name it is given

- **Sighup** responsible for registration purposed
- **Login** responsible for allowing the user to login to the applications
- **Home** this is the landing page of the application where user can add and/or delete devices added by the user
- **tabs** a simple 3 tab layout that appears at the bottom of the landing page, the home page
- **Devices** this is a list of all device categories offered by elvey technologies
- **camera** this contains surveillance camera device categories i.e. Ip or analogue
- **cameralist** page contains all cameral in HD analogue category
- **cameralistip** contains all ip cameras
- **Fire** Fire detection catacory page-
- **Intrusion** Intrusion detection category page
- **Access** Access control category page
- **resetpassword** esponsible for handling password change for the user
- **about** contains everything you need to know about elvey technologies
- **contact** contact details for elvey technologies and relevant links
- **setup** responsible for setting up device being added by the user

All images added to the application are stored in src/assets/imgs and the json data in src/assets/data

6 Install on Simulator or Device

6.1 Required Components

Access to an android device or an iphone and/or a desktop or laptop

6.2 Install The Application

Download the application on and install it on your device

open the application and register

Login in to the app, add a device and you can now start accessing devices added