

## Screen Dump Digital Ocean

**Video Demo 1:** [https://www.youtube.com/watch?v=u46W\\_t83d8A](https://www.youtube.com/watch?v=u46W_t83d8A)

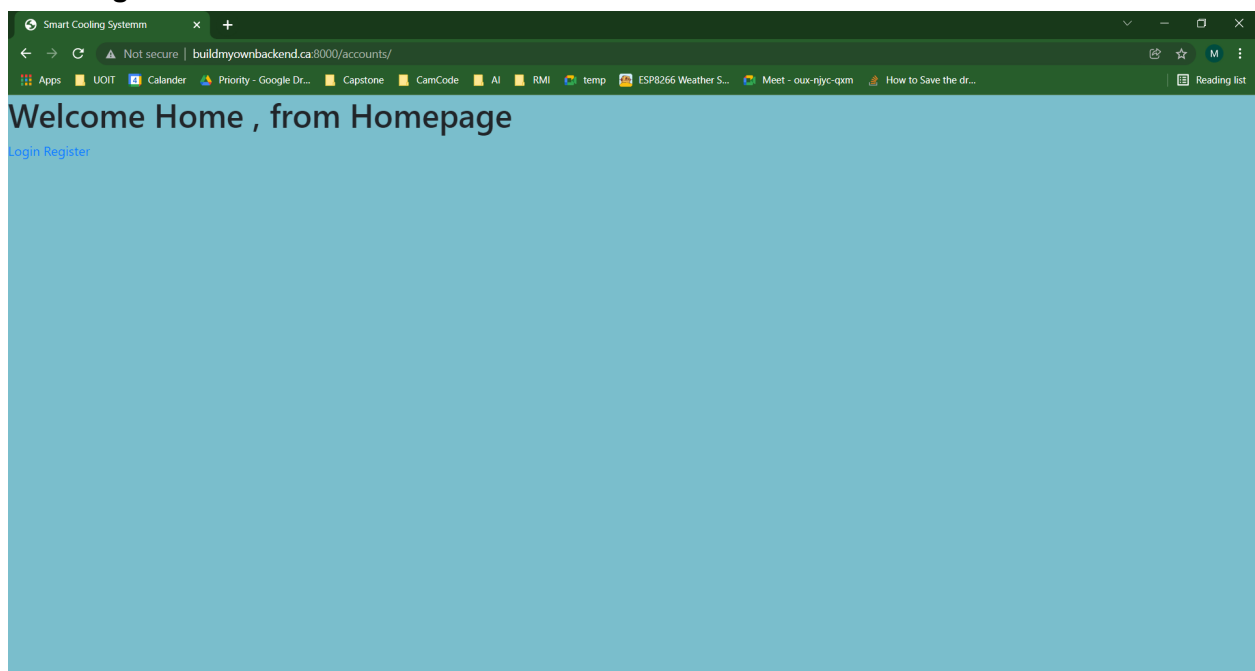
- Demo 1 shows how users can navigate the Django Backend on Digital Ocean.
  - Shows user login
  - Shows user registration
  - Shows dashboard
  - Shows Adding Devices
  - Shows Admin Models for Devices, Users and Temperature

**Video Demo 2:** <https://youtu.be/XeilLnb-hZo>

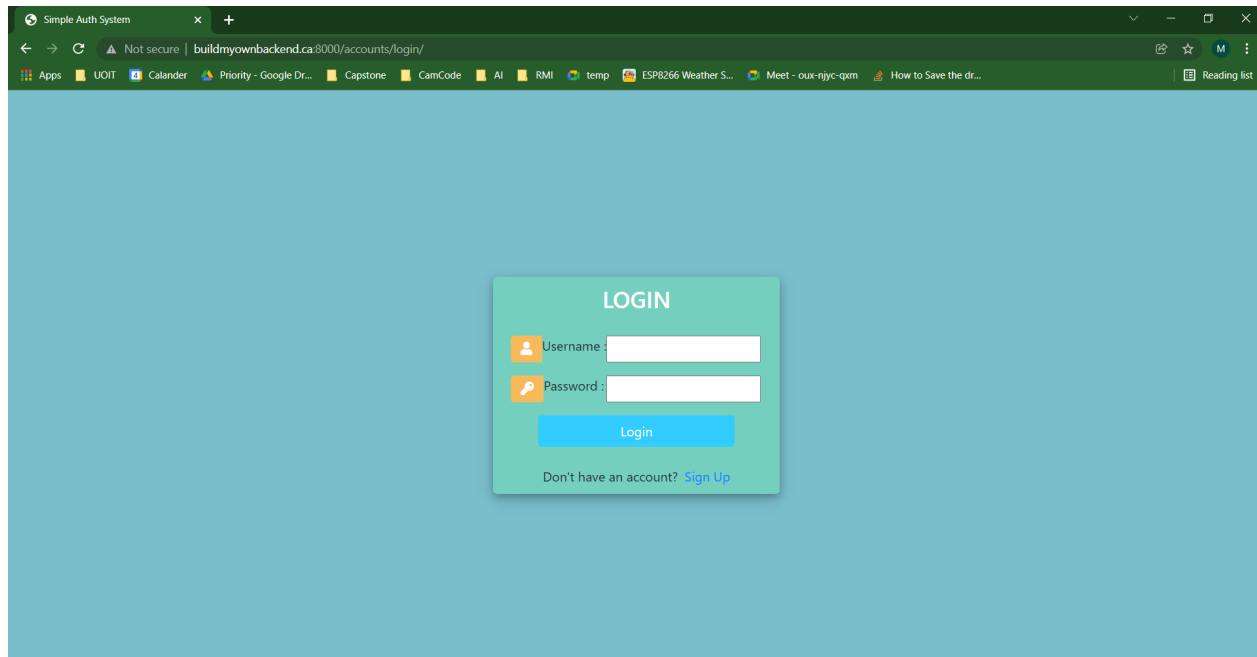
- Demo 2 shows the communication between NodeMCU, Django backend on Digital Ocean and the Phone app.
  - Shows Smart Fan sending messages to the Django backend REST using POST
  - Shows the phone app receiving the temperature and humidity values
  - Shows the Django Admin page receiving the messages and storing them.

## Screen Dump:

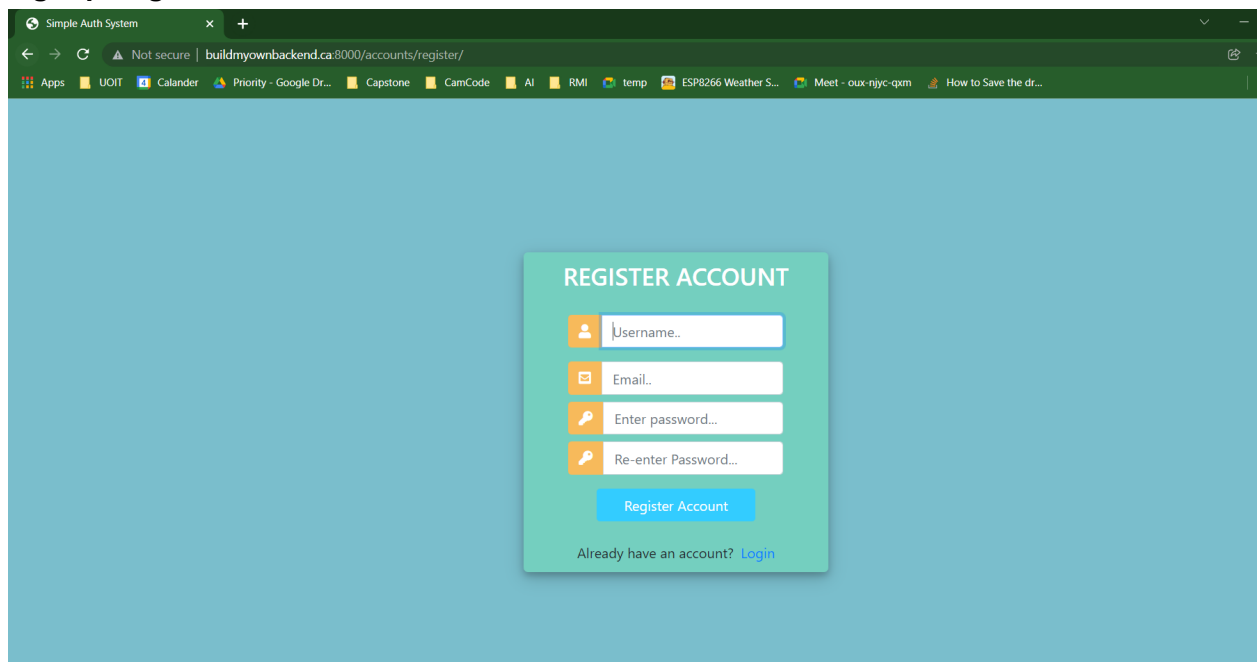
### First Page:



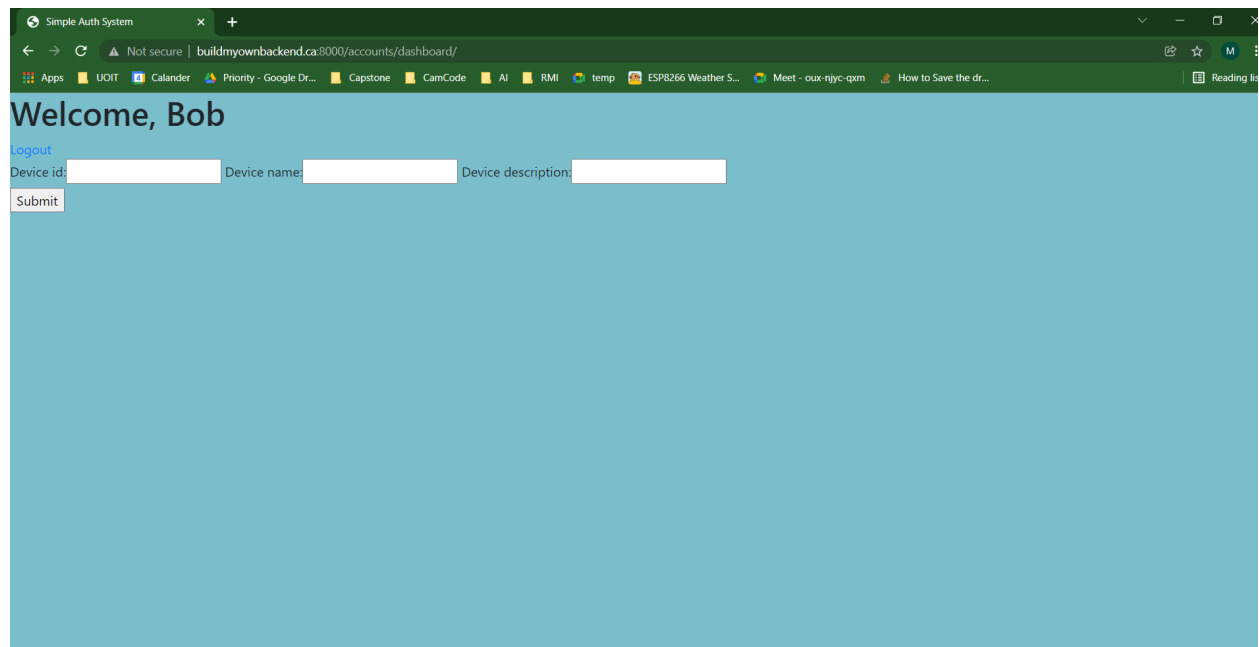
### Login page:



## Signup Page



## Dashboard Page:



**Reading Temperature Data:**

Temp List – Django REST framew... x

New Tab x +

← → ↻

Not secure | buildmyownbackend.ca:8000/api/temp

Apps

UOIT

Calander

Priority - Google Dr...

Capstone

CamCode

AI

RMI

te

Django REST framework

# Temp List

GET /api/temp

HTTP 200 OK

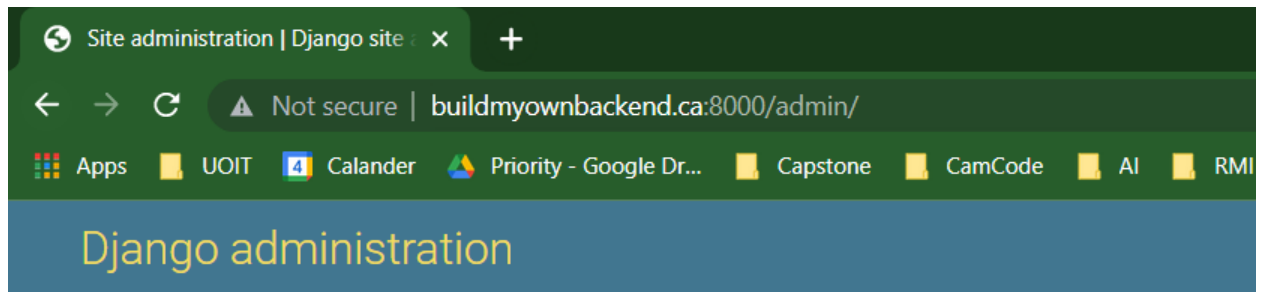
Allow: GET, POST, HEAD, OPTIONS

Content-Type: application/json

Vary: Accept

```
[
  {
    "name": "Smart_Cooler_1",
    "temp": "25.40",
    "status": "ON"
  },
  {
    "name": "Smart_Cooler_1",
    "temp": "25.60",
    "status": "ON"
  },
  {
    "name": "Smart_Cooler_1",
    "temp": "25.40",
    "status": "ON"
  },
  {
    "name": "Smart_Cooler_1",
    "temp": "25.50",
    "status": "ON"
  },
  {
    "name": "Smart_Cooler_1",
    "temp": "25.60",
    "status": "ON"
  }
]
```

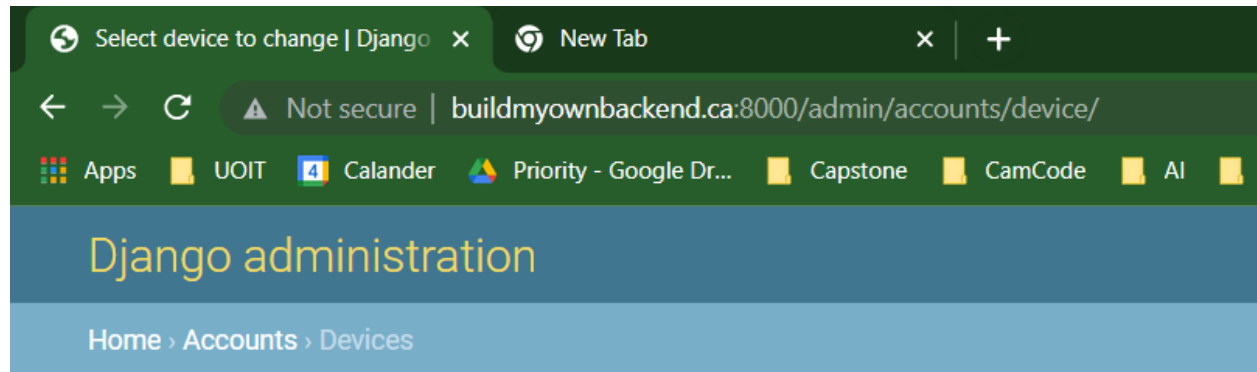
## Admin Page



### Site administration

ACCOUNTS		
Devices	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
API		
Tempreatures	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
AUTHENTICATION AND AUTHORIZATION		
Groups	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
Users	<a href="#">+ Add</a>	<a href="#">✎ Change</a>

## Device Page



## Select device to change

Action:   0 of 4 selected

- ☐ **DEVICE**
- ☐ **Smart\_Cooler\_1 : My\_Smart\_Cooler**
- ☐ **3lk234h2 : Smart Cool**
- ☐ **2kl3jkjldsf : Cool System**
- ☐ **asdfklj : First device**

4 devices

## Users Page

Select user to change

Q

Search

Action:

Go

0 of 6 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Bob	bob@gmail.com			✖
<input type="checkbox"/>	Ramiro	ramiro@gmail.com			✖
<input type="checkbox"/>	batman				✖
<input type="checkbox"/>	batman2	batman@gmail.com			✖
<input type="checkbox"/>	batman3	batman3@gmail.com			✖
<input type="checkbox"/>	root	patelmitul5053@gmail.com			✔

6 users

FILTER

By staff status

All

Yes

No

By superuser status

All

Yes

No

By active

All

Yes

No

Temperature Page

Select temperature to change | D x

New Tab x +

←

→

↺

Not secure | buildmyownbackend.ca:8000/admin/api/tempreature/

Apps

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Capstone

CamCode

Django administration

Home › Api › Tempreatures

## Select tempreature to change

Action:

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▼

Go

0 of 5 selected

<input type="checkbox"/>	TEMPREATURE
<input type="checkbox"/>	Smart_Cooler_1 25.60
<input type="checkbox"/>	Smart_Cooler_1 25.50
<input type="checkbox"/>	Smart_Cooler_1 25.40
<input type="checkbox"/>	Smart_Cooler_1 25.60
<input type="checkbox"/>	Smart_Cooler_1 25.40

5 tempreatures