

Screen Dump Digital Ocean

Video Demo 1: https://www.youtube.com/watch?v=u46W_t83d8A

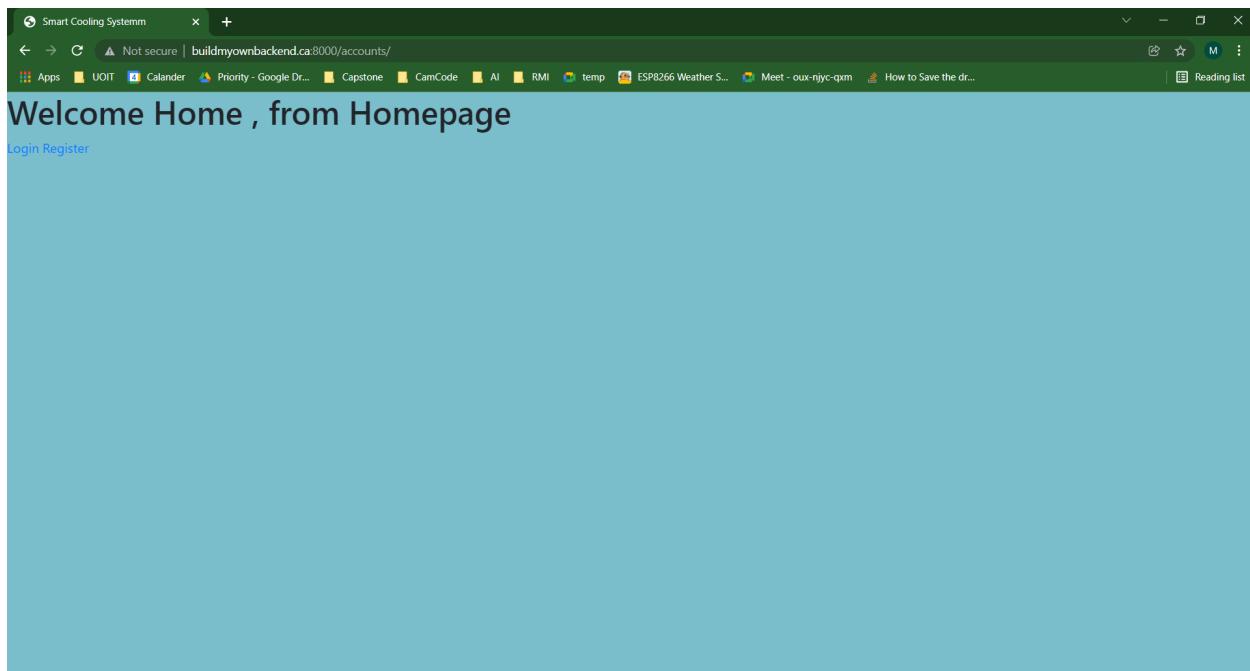
- Demo 1 shows how users can navigate the Django Backend on Digital Ocean.
 - Shows user login
 - Shows user registration
 - Shows dashboard
 - Shows Adding Devices
 - Shows Admin Models for Devices, Users and Temperature

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

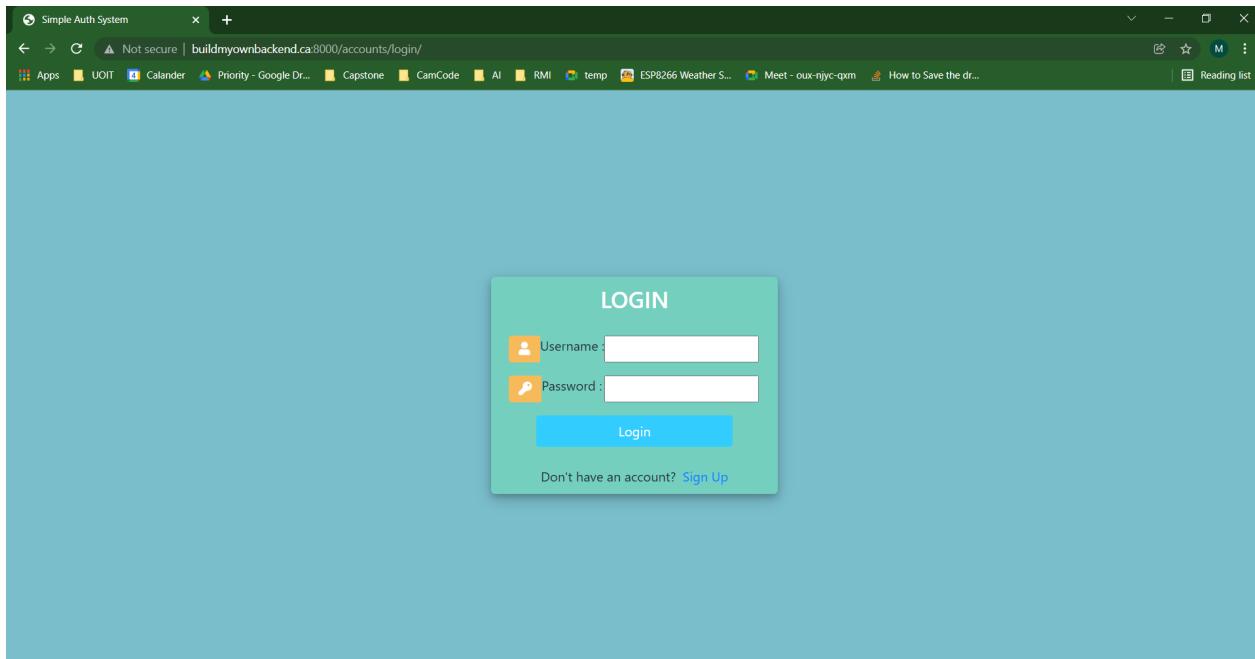
- Demo 2 shows the communication between NodeMCU, Django backend on Digital Ocean and the Phone app.
 - Shows Smart Fan sending messages to the Django backend REST using POST
 - Shows the phone app receiving the temperature and humidity values
 - Shows the Django Admin page receiving the messages and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

Screen Dump:

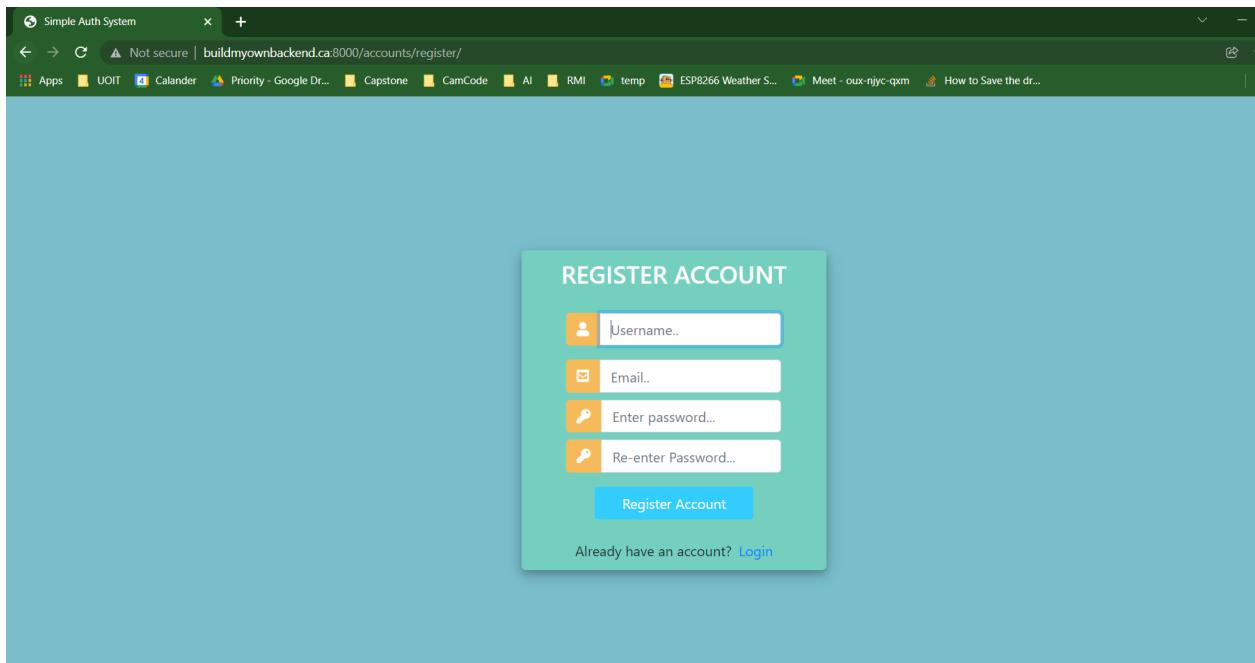
First Page:



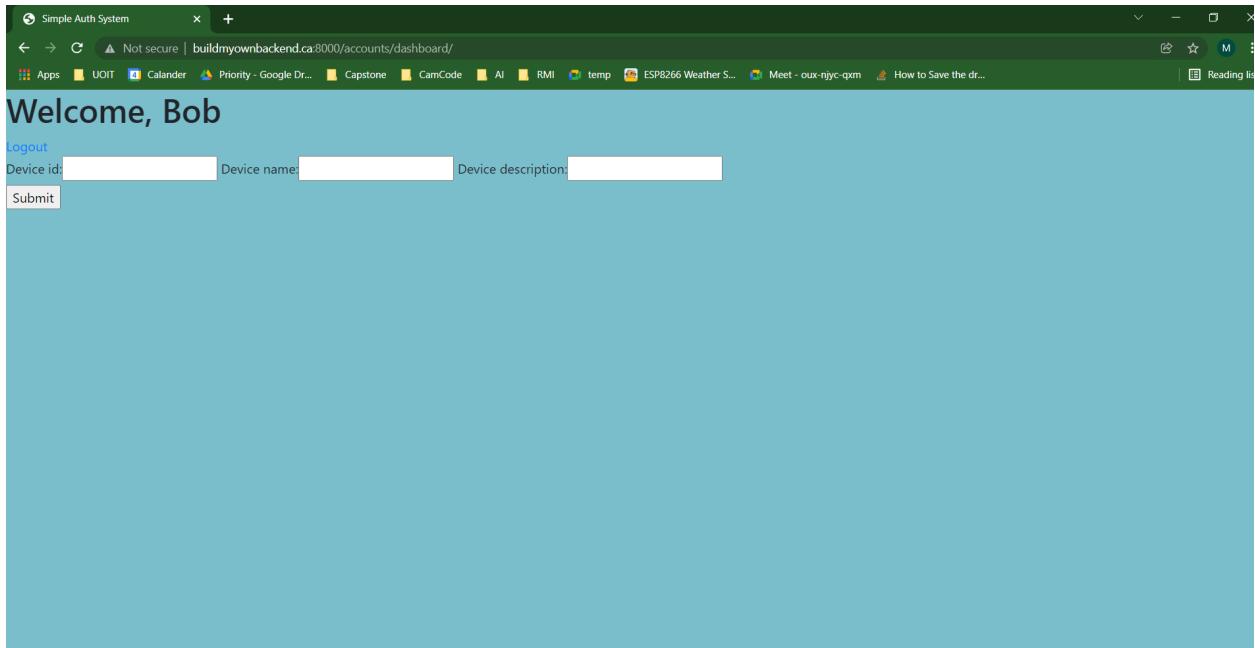
Login page:



Signup Page



Dashboard Page:



Reading Temperature Data:

Temp List – Django REST framework × 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

The screenshot shows the Django admin interface with the following sections:

- ACCOUNTS**: Contains a list of "Devices" with "Add" and "Change" buttons.
- API**: Contains a list of "Tempreatures" with "Add" and "Change" buttons.
- AUTHENTICATION AND AUTHORIZATION**: Contains lists for "Groups" and "Users", each with "Add" and "Change" buttons.

Device Page

The screenshot shows a web browser window with the following details:

- Title Bar:** Select device to change | Django
- Address Bar:** Not secure | buildmyownbackend.ca:8000/admin/accounts/device/
- Toolbar:** New Tab, Back, Forward, Stop, Refresh, Home, Apps, UOIT, Calander, Priority - Google Dr..., Capstone, CamCode, AI.
- Header:** Django administration
- Breadcrumbs:** Home > Accounts > Devices

Select device to change

Action: 0 of 4 selected

DEVICE

Smart_Cooler_1 : My_Smart_Cooler

3lk234h2 : Smart Cool

2kl3jkjldsf : Cool System

asdfklij : First device

4 devices

Users Page

Select user to change | Django site | New Tab | Not secure | buildmyownbackend.ca:8000/admin/auth/user/ | Apps | UOIT | Calander | Priority - Google Dr... | Capstone | CamCode | AI | RMI | temp | ESP8266 Weather S... | Meet - oux-njyc-qxm | How to Save the dr... | Reading list | M | : |

Django administration

WELCOME, **ROOT**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Authentication and Authorization > Users

Select user to change

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

[ADD USER](#) +

Temperature Page

The screenshot shows a web browser window with the following details:

- Title Bar:** Select tempreature to change | D X
- Tab:** New Tab
- Address Bar:** Not secure | buildmyownbackend.ca:8000/admin/api/tempreature/
- Toolbar:** Apps, UOIT, Calander, Priority - Google Dr..., Capstone, CamCode
- Header:** Django administration
- Breadcrumbs:** Home > Api > Tempreatures

Select tempreature to change

Action: 0 of 5 selected

TEMPREATURE

Smart_Cooler_1 25.60

Smart_Cooler_1 25.50

Smart_Cooler_1 25.40

Smart_Cooler_1 25.60

Smart_Cooler_1 25.40

5 tempreatures