

Installation

The following application versions were used for the development of this project:

Anaconda Version = 4.5.4

Python Version = 3.7.0

Django Version = 2.1.1

- **Step 1: Create a new environment with Django 2.1.1:**
conda create --name Happiness django=2.1.1
- **Step 2: Activate the environment (for Linux, add “source” in the command):**
[source] activate Happiness
- **Step 3: install additional packages:**
pip install bcrypt
pip install django[argon2]
pip install django-crispy-forms
- **Run the local server**
python manage.py runserver

Instructions

1. Check your internet access. It will be necessary because the application uses BootstrapCDN in the front-end.
2. Access the application in your browser (tested on Google Chrome) at <http://127.0.0.1:8000/> or at the address provided by the `runserver` command.

```
September 25, 2018 - 14:17:42
Django version 2.1.1, using settings 'happiness_project.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Figure 2.1 – Check the address of the server

3. Access the Admin page to create new teams and users. If you would like to use the teams and users already created (Table 3.1), go to step 6.

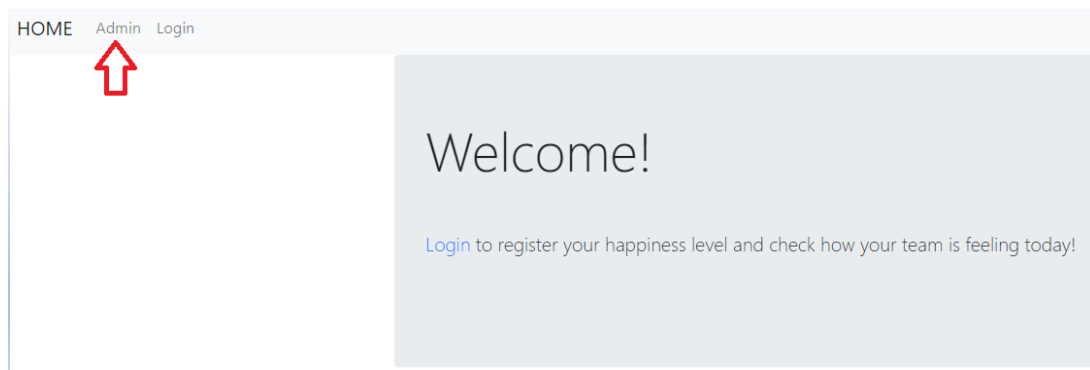


Figure 3.1 – Access admin page

User	Password	Team	Have a UserProfile?
admin	canada18		No
fernando.eng	canada18	Engineering	Yes
mia.eng	canada18	Engineering	Yes
john.eng	canada18	Engineering	Yes
bart.eng	canada18	Engineering	Yes
rachel.hr	canada18	Human Resources	Yes
eric.sales	canada18	Sales	Yes
ceo.noteam	canada18		Yes

Table 3.1 – Users and passwords

4. In the admin interface, you can add new teams and save them.

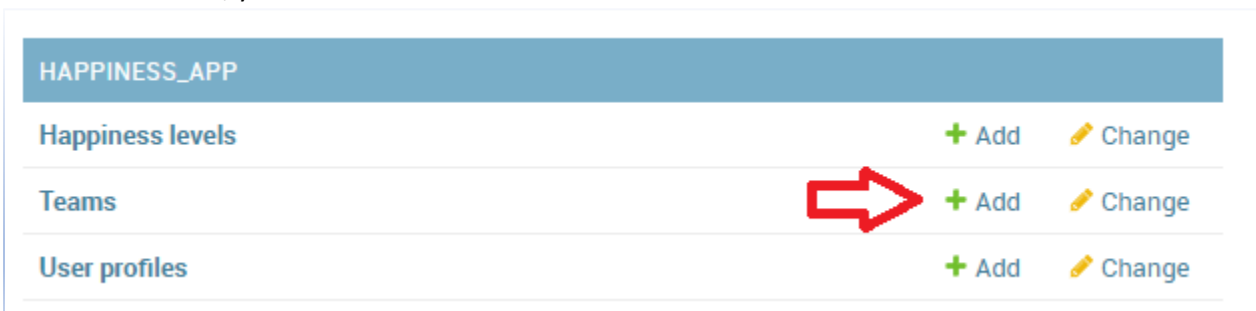


Figure 4.1 – Add a new team (optional)

5. In the admin interface, add new users and save them. You can also link a user to a team.

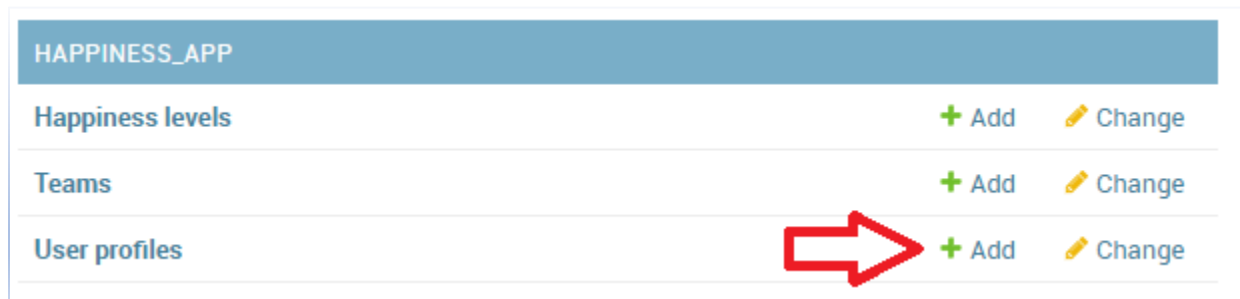


Figure 5.1 – Add user profile

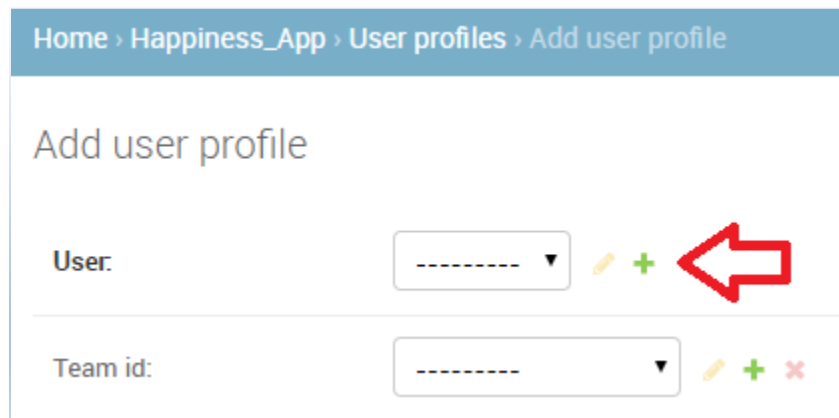




Figure 5.2 – Add new users

Add user


Enter a username and password.

Username: 

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password: 

Your password can't be too similar to your other personal information.
Your password must contain at least 8 characters.
Your password can't be a commonly used password.
Your password can't be entirely numeric.

Password confirmation: 

Enter the same password as before, for verification.

Figure 5.3 – Create users (case-sensitive)

Add user profile

User: fernando ✎ +

Team id: Engineering ✎ + ✕

Figure 5.4 – Register the user created in the profile and link a team (optional)

- Go back the server's homepage and refresh. Logout from admin and login using the new users you created.

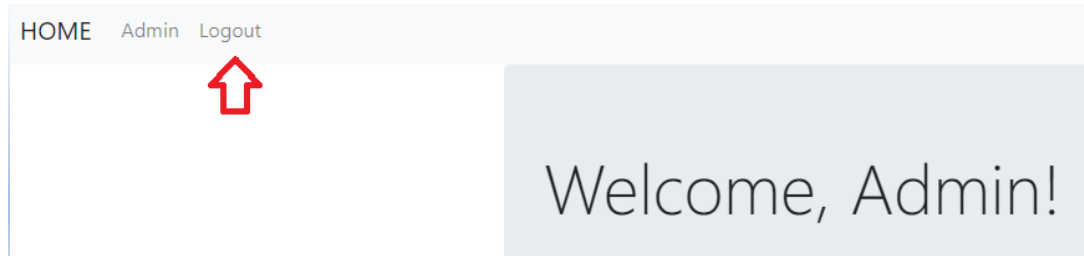


Figure 6.1 – Logout admin

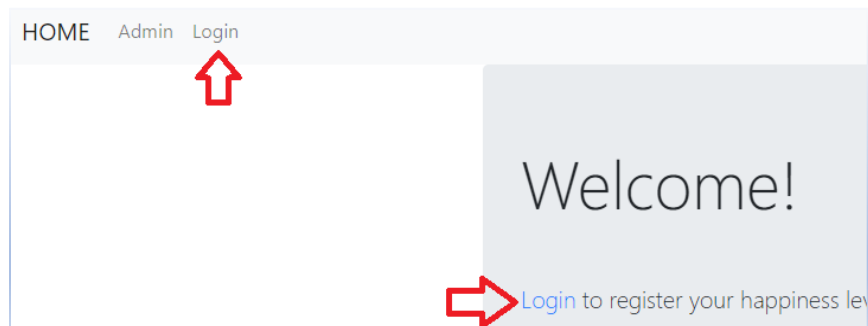


Figure 6.2 – Login with the new users created

- Register the happiness level.

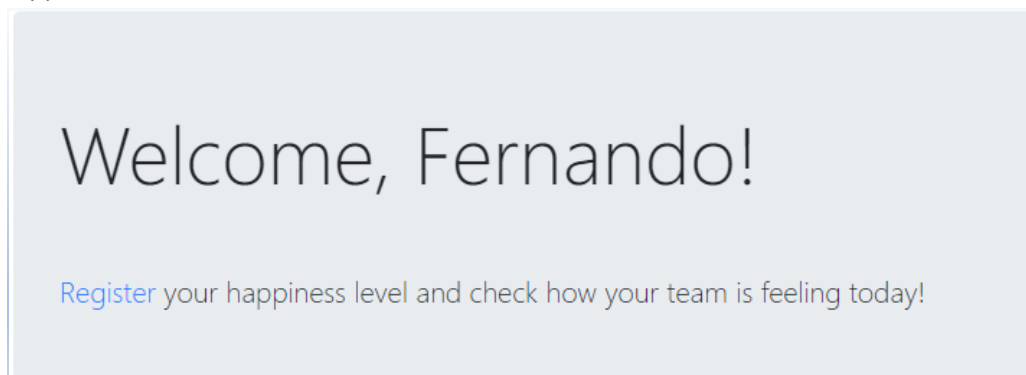


Figure 7.1 – Click on “Register”

Welcome, Fernando!

How happy are you feeling today?

Happiness Level*

Very Happy ▾

Submit

Figure 7.2 – Choose your happiness level and submit the result

8. The happiness level of your team will show up.

Welcome, Fernando!

Thanks for sharing your happiness level today!

Check today's happiness level of the Engineering:

Unhappy: 0 people

Not Happy: 0 people

Neutral: 0 people

Happy: 2 people

Very Happy: 2 people

Your team average:

4.50_{/5}

Very Happy

Figure 8.1 – Happiness Level

9. If your user doesn't belong to a team, it will show the happiness level of everyone.

Welcome, Noteam!

Thanks for sharing your happiness level today!

Check today's happiness level of the Company:

Unhappy: 0 people

Not Happy: 0 people

Neutral: 3 people

Happy: 2 people

Very Happy: 2 people

Your team average:

3.86_{/5}

Happy

Figure 9.1

10. Each user can submit the happiness level only once a day. In this case, the page of the happiness level of the team will show up after login.
11. Average happiness:

Unhappy	< 1.5
Not Happy	>= 1.5 and < 2.5
Neutral	>= 2.5 and < 3.5
Happy	>= 3.5 and < 4.5
Very Happy	>= 4.5