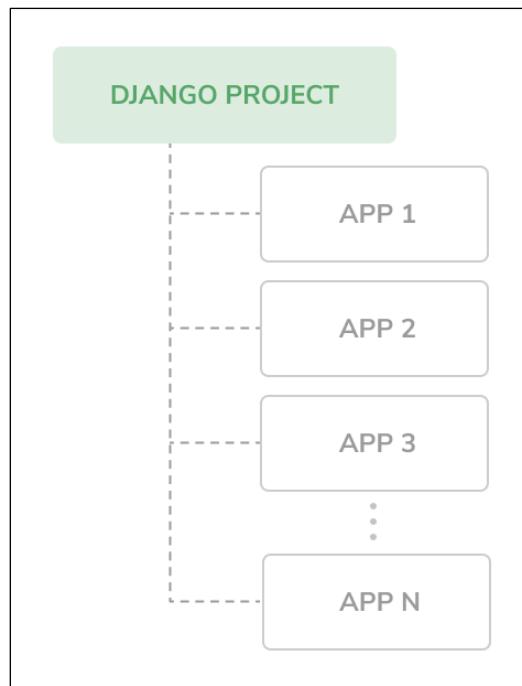
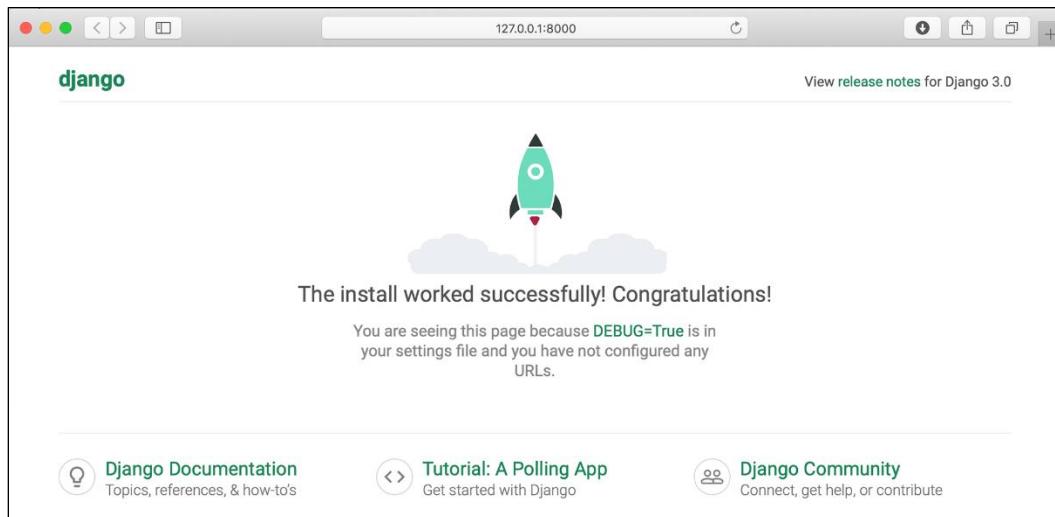
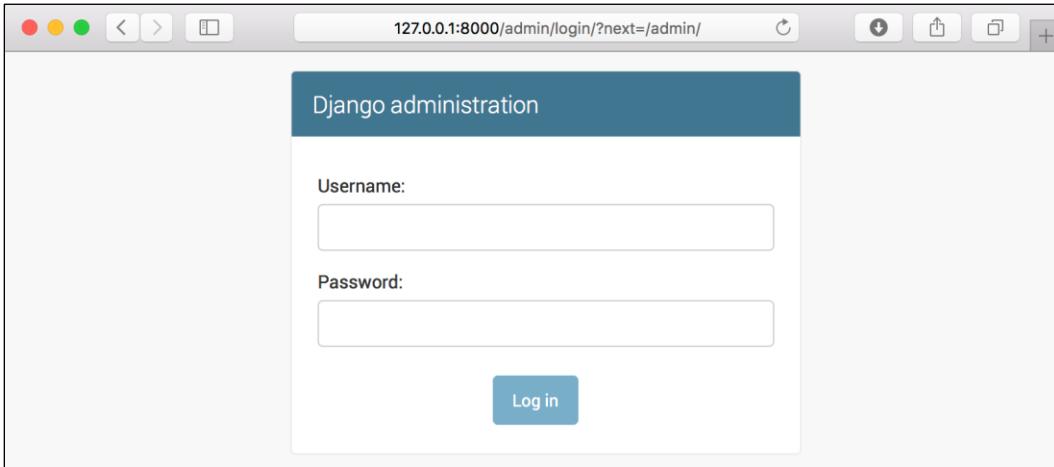
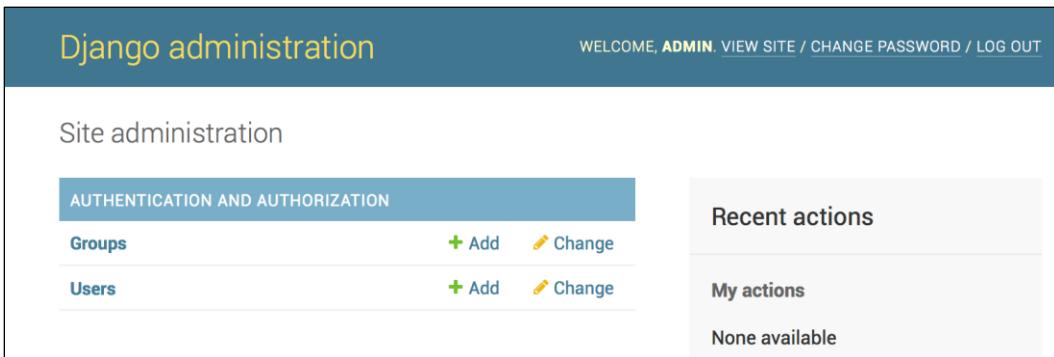


# Chapter 1: Building a Blog Application

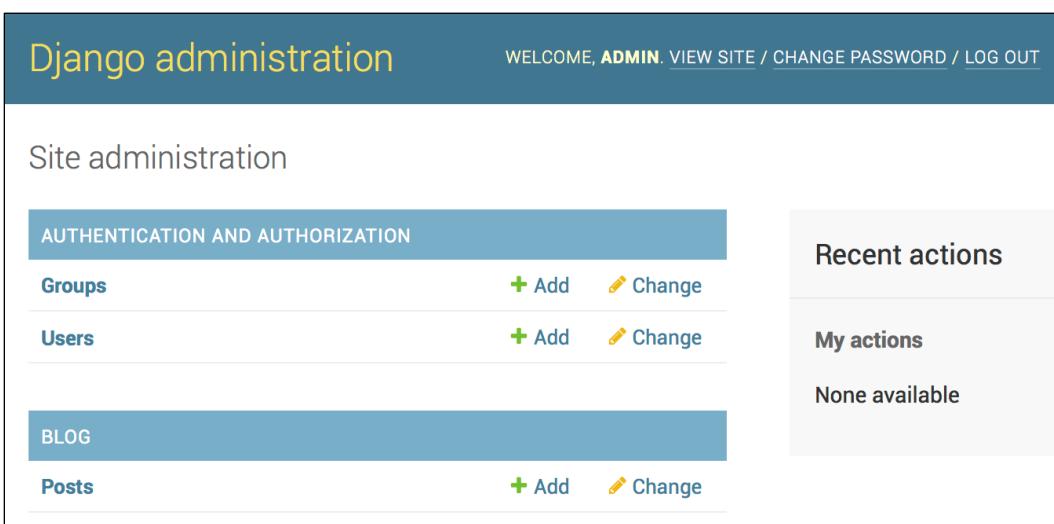




A screenshot of a web browser showing the Django administration login page. The URL in the address bar is 127.0.0.1:8000/admin/login/?next=/admin/. The page has a dark blue header with the text "Django administration". Below the header is a form with two text input fields: "Username:" and "Password:", each with a corresponding empty input box. At the bottom of the form is a blue "Log in" button.



A screenshot of the Django site administration index page. The title is "Django administration" and the sub-header is "WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT". The main content area is titled "Site administration". It features a "AUTHENTICATION AND AUTHORIZATION" section with links for "Groups" and "Users", each with "Add" and "Change" buttons. To the right is a sidebar with "Recent actions" (empty), "My actions" (empty), and a message "None available".



A screenshot of the Django site administration index page, similar to the previous one but with a "BLOG" application module. The title is "Django administration" and the sub-header is "WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT". The main content area is titled "Site administration". It features a "AUTHENTICATION AND AUTHORIZATION" section with links for "Groups" and "Users", each with "Add" and "Change" buttons. Below it is a "BLOG" section with a "Posts" link, which has "Add" and "Change" buttons. To the right is a sidebar with "Recent actions" (empty), "My actions" (empty), and a message "None available".

Django administration

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

Home > Blog > Posts > Add post

Add post

Title:

Slug:

Author:    

Body:

Publish: Date:  Today   
Time:  Now   
Note: You are 2 hours ahead of server time.

Status:  

Django administration

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

Home > Blog > Posts

 The post "Who was Django Reinhardt?" was added successfully.

Select post to change [ADD POST](#) 

Action:    0 of 1 selected

[POST](#)  
 [Who was Django Reinhardt?](#)

1 post

Django administration

WELCOME, ADMIN | VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Blog > Posts

Select post to change

ADD POST +

Q Search

< 2020 January 1

Action: — Go 0 of 1 selected

<input type="checkbox"/> TITLE	SLUG	AUTHOR	PUBLISH	2 ▲	STATUS	1 ▲
<input type="checkbox"/> Who was Django Reinhardt?	who-was-django-reinhardt	admin	Jan. 1, 2020, 6:23 p.m.		Draft	

1 post

FILTER

By status

- All
- Draft
- Published

By created

- Any date
- Today
- Past 7 days
- This month
- This year

By publish

- Any date
- Today
- Past 7 days
- This month
- This year

Author:

1



127.0.0.1:8000/blog/

# My Blog

**Who was Django Reinhardt?**

Published Jan. 1, 2020, 6:23 p.m. by admin

Who was Django Reinhardt.

**Another post**

Published Jan. 1, 2020, 1 a.m. by admin

Post body.

**My blog**

This is my blog.

A screenshot of a web browser window displaying a blog post. The URL in the address bar is 127.0.0.1:8000/blog/2020/1/1/who-was-django-reinhardt. The main content area shows the title "Who was Django Reinhardt?" followed by the text "Who was Django Reinhardt.". To the right, a sidebar contains the text "My blog" and "This is my blog."

Who was Django Reinhardt?

Published Jan. 1, 2020, 6:23 p.m. by admin

Who was Django Reinhardt.

My blog

This is my blog.

A screenshot of a web browser window displaying a list of blog posts. The URL in the address bar is 127.0.0.1:8000/blog/. The main content area shows the title "My Blog" followed by two posts: "Notes on Duke Ellington" and "Miles Davis favourite songs". Below each post is its publication date and author. To the right, a sidebar contains the text "My blog" and "This is my blog."

My Blog

Notes on Duke Ellington

Published Jan. 2, 2020, 11:21 p.m. by admin

Edward Kennedy "Duke" Ellington was an American composer, pianist, and leader of a jazz orchestra.

Miles Davis favourite songs

Published Jan. 2, 2020, 11:20 p.m. by admin

Miles Dewey Davis III was an American jazz trumpeter, bandleader, and composer.

Who was Django Reinhardt?

Published Jan. 1, 2020, 6:23 p.m. by admin

Who was Django Reinhardt.

Page 1 of 2. [Next](#)

My blog

This is my blog.

## Chapter 2: Enhancing Your Blog with Advanced Features

Some apps and devices use less secure sign-in technology, which makes your account more vulnerable. You can **turn off** access for these apps, which we recommend, or **turn on** access if you want to use them despite the risks. [Learn more](#)

Allow less secure apps: ON



### Notes on Duke Ellington

Published Jan. 2, 2020, 11:21 p.m. by admin

Edward Kennedy "Duke" Ellington was an American composer, pianist, and leader of a jazz orchestra.

[Share this post](#)

**My blog**

This is my blog.

### Share "Notes on Duke Ellington" by e-mail

Name:

Email:

To:

Comments:

**My blog**

This is my blog.

**SEND E-MAIL**

## E-mail successfully sent

"Notes on Duke Ellington" was successfully sent to account@gmail.com.

My blog

This is my blog.

## Share "Notes on Duke Ellington" by e-mail

Name:

Antonio

- Enter a valid email address.

Email:

invalid

- This field is required.

To:

Comments:

**SEND E-MAIL**

My blog

This is my blog.

## BLOG

**Comments**

 Add

 Change

**Posts**

 Add

 Change

# Notes on Duke Ellington

Published Jan. 2, 2020, 11:21 p.m. by admin

Edward Kennedy "Duke" Ellington was an American composer, pianist, and leader of a jazz orchestra.

[Share this post](#)

## 0 comments

There are no comments yet.

### Add a new comment

Name:

Email:

Body:

[ADD COMMENT](#)

## My blog

This is my blog.

## 2 comments

Comment 1 by Antonio Jan. 2, 2019, 6:07 p.m.

It's very interesting.

Comment 2 by Bienvenida Jan. 2, 2019, 6:08 p.m.

I didn't know that.

Select comment to change

<input type="checkbox"/>	NAME	EMAIL	POST	CREATED	ACTIVE
<input type="checkbox"/>	Antonio	user1@gmail.com	Notes on Duke Ellington	Jan. 2, 2019, 6:07 p.m.	<span style="color:red;">✖</span>
<input type="checkbox"/>	Bienvenida	user2b@gmail.com	Notes on Duke Ellington	Jan. 2, 2019, 6:08 p.m.	<span style="color:green;">✓</span>

2 comments

Django administration

WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Taggit > Tags

Select Tag to change ADD TAG +

<input type="checkbox"/>	NAME	SLUG
<input type="checkbox"/>	django	django
<input type="checkbox"/>	jazz	jazz
<input type="checkbox"/>	music	music

3 Tags

**Tags:** jazz, music

A comma-separated list of tags.

**Who was Django Reinhardt?**

Tags: music, jazz

Published Jan. 1, 2020, 6:23 p.m. by admin

# My Blog

---

Posts tagged with "jazz"

## [Who was Django Reinhardt?](#)

Tags: [music](#) , [jazz](#)

*Published Jan. 1, 2020, 6:23 p.m. by admin*

Who was Django Reinhardt.

**Page 1 of 1.**

## Who was Django Reinhardt?

---

*Published Jan. 1, 2020, 6:23 p.m. by admin*

Who was Django Reinhardt.

[Share this post](#)

### Similar posts

[Miles Davis favourite songs](#)

[Notes on Duke Ellington](#)

## Chapter 3: Extending Your Blog Application

### My blog

This is my blog. I've written 4 posts so far.

### My blog

This is my blog. I've written 4 posts so far.

### Latest posts

- [Miles Davis favourite songs](#)
- [Notes on Duke Ellington](#)
- [Another post](#)

The screenshot shows a web browser window with a blog application. The address bar says "127.0.0.1:8000/blog/". The main content area displays four blog posts:

- Notes on Duke Ellington**  
Tags: jazz  
Published Jan. 2, 2020, 11:21 p.m. by admin  
Edward Kennedy "Duke" Ellington was an American composer, pianist, and leader of a jazz orchestra.
- Miles Davis favourite songs**  
Tags: music, jazz  
Published Jan. 2, 2020, 11:20 p.m. by admin  
Miles Dewey Davis III was an American jazz trumpeter, bandleader, and composer.
- Who was Django Reinhardt?**  
Tags: music, jazz  
Published Jan. 1, 2020, 6:23 p.m. by admin  
Who was Django Reinhardt.

Below the posts, it says "Page 1 of 2. [Next](#)". On the right side, there is a sidebar with the following sections:

- My blog**  
This is my blog. I've written 4 posts so far.
- Latest posts**
  - [Notes on Duke Ellington](#)
  - [Miles Davis favourite songs](#)
  - [Who was Django Reinhardt?](#)
- Most commented posts**
  - [Who was Django Reinhardt?](#)
  - [Another post](#)
  - [Miles Davis favourite songs](#)
  - [Notes on Duke Ellington](#)

## Markdown post

---

Published Jan. 2, 2020, 9:54 p.m. by admin

This is a post formatted with markdown

*This is emphasized and this is more emphasized.*

Here is a list:

- One
- Two
- Three

And a [link to the Django website](#)

Django administration

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

Home > Sites > Sites

Select site to change [ADD SITE +](#)

Search:

Action:   0 of 1 selected

<input type="checkbox"/>	DOMAIN NAME	DISPLAY NAME
<input type="checkbox"/>	example.com	example.com

1 site

## Change site

Domain name:

Display name:

# My blog

This is my blog. I've written 5 posts so far.

[Subscribe to my RSS feed](#)

# Search for posts

Query:

SEARCH

## Posts containing "music"

**Found 2 results**

[Another post more](#)

Post body.

[Who was Django Reinhardt?](#)

The Django web framework was ...

[Search again](#)

### My blog

This is my blog. I've written 4 posts so far.

[Subscribe to my RSS feed](#)

### Latest posts

- [Another post more](#)
- [New title](#)
- [Who was Django Reinhardt?](#)

### Most commented posts

- [Who was Django Reinhardt?](#)
- [New title](#)
- [Another post more](#)
- [Old](#)

# Posts containing "django"

---

**Found 3 results**

[Django, Django, Django](#)

Django is the Web Framework ...

[Django twice](#)

Django offers full text search ...

[Django once](#)

A Python web framework.

[Search again](#)

# Posts containing "yango"

---

**Found 1 result**

[Django Django](#)

A Python web framework.

## Chapter 4: Building a Social Website

Django administration

WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT

Site administration

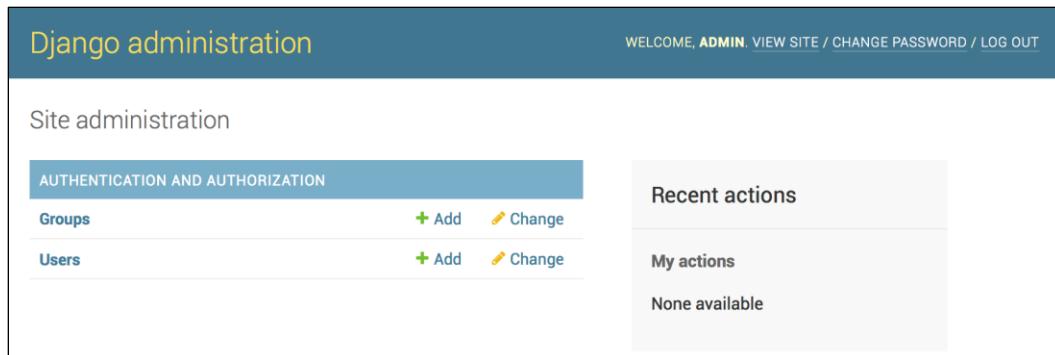
AUTHENTICATION AND AUTHORIZATION

	+ Add	Change
Groups		
Users		

Recent actions

My actions

None available



Bookmarks

Log-in

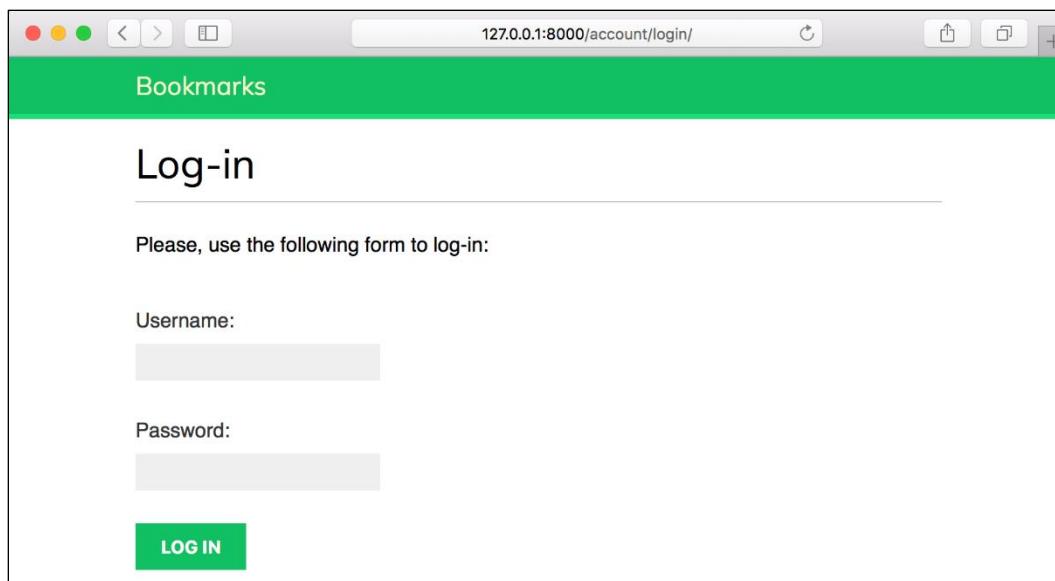
Please, use the following form to log-in:

Username:

Password:

**LOG IN**

127.0.0.1:8000/account/login/

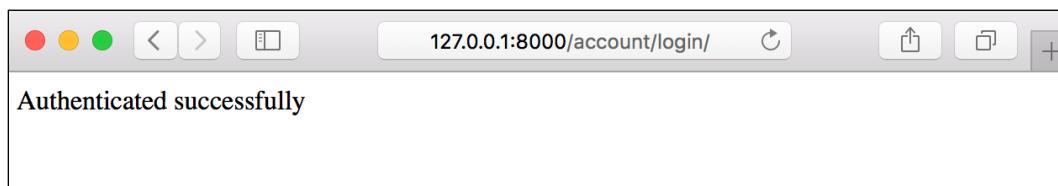


Username:

This field is required.

Password:

**LOG IN**



Bookmarks      My dashboard    Images    People      Hello Antonio, Logout

## Dashboard

---

Welcome to your dashboard.

Bookmarks

Log-in

# Logged out

You have been successfully logged out. You can [log-in again](#).

Bookmarks      My dashboard      Images      People      Hello , Logout

## Change your password

Use the form below to change your password.

Old password:

New 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.

New password confirmation:

**CHANGE**

## Password changed

Your password has been successfully changed.

## Forgotten your password?

Enter your e-mail address to obtain a new password.

Email:

[SEND E-MAIL](#)

## Reset your password

We've emailed you instructions for setting your password.

If you don't receive an email, please make sure you've entered the address you registered with.

## Reset your password

Please enter your new password twice:

New 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.

New password confirmation:

**CHANGE MY PASSWORD**

## Password set

Your password has been set. You can [log in now](#)

## Create an account

Please, sign up using the following form:

Username:

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

First name:

Email address:

Password:

Repeat password:

**CREATE MY ACCOUNT**

Bookmarks

Log-in

# Welcome Paloma!

Your account has been successfully created. Now you can [log in](#).

## ACCOUNT

Profiles      [+ Add](#)      [Change](#)

Bookmarks    My dashboard    Images    People    Hello Paloma, Logout

### Edit your account

You can edit your account using the following form:

First name:

Last name:

Email address:

Date of birth:

Photo:  
 no file selected

[SAVE CHANGES](#)

# Dashboard

Welcome to your dashboard. You can [edit your profile](#) or [change your password](#).

Bookmarks      My dashboard    Images    People      Hello Paloma, Logout

Profile updated successfully X

Bookmarks      My dashboard    Images    People      Hello , Logout

Error updating your profile X

DisallowHost at /account/login/  
Invalid HTTP\_HOST header: 'mysite.com:8000'. You may need to add 'mysite.com' to ALLOWED\_HOSTS.

Docs    Tools    Support    My Apps     Search developer documentation

| Create App

## Create a New App ID

Get started integrating Facebook into your app or website

Display Name

Bookmarks

Contact Email

antonio.mele@zenxit.com

By proceeding, you agree to the [Facebook Platform Policies](#)

[Cancel](#)

[Create App ID](#)



## Facebook Login

The world's number one social login product.

[Read Docs](#)

[Set Up](#)

Use the Quickstart to add Facebook Login to your app. To get started, select the platform for this app.



iOS



Android



Web



Other

iOS

Android

Web

Other

#### 1. Tell Us about Your Website

Tell us what the URL of your site is.

Site URL

App ID

1865597340135974

App Secret

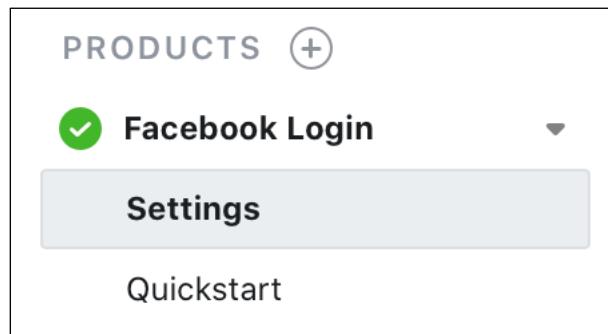
\*\*\*\*\*

Display Name

Bookmarks

Namespace

#### App Domains



### Client OAuth Settings

Yes  No **Client OAuth Login**  
Enables the standard OAuth client token flow. Secure your application and prevent abuse by locking down which token redirect URIs are allowed with the options below. Disable globally if not used. [?]

Yes  No **Web OAuth Login**  
Enables web-based Client OAuth Login. [?]

Yes  No **Enforce HTTPS**  
Enforce the use of HTTPS for Redirect URIs and the JavaScript SDK. Strongly recommended. [?]

Yes  No **Force Web OAuth Reauthentication**  
When on, prompts people to enter their Facebook password in order to log in on the web. [?]

Yes  No **Embedded Browser OAuth Login**  
Enable webview Redirect URIs for Client OAuth Login. [?]

**Use Strict Mode for Redirect URIs**  
Only allow redirects that use the Facebook SDK or that exactly match the Valid OAuth Redirect URIs. Strongly recommended. [?]

**Valid OAuth Redirect URIs**

Yes  No **Login from Devices**  
Enables the OAuth client login flow for devices like a smart TV [?]

## Log-in

Please, use the following form to log-in. If you don't have an account [register here](#)

Username:

[Sign in with Facebook](#)

Password:

[LOG-IN](#)

[Forgotten your password?](#)



**Bookmarks** will receive:  
your public profile and email address. [\*i\*](#)

[Edit This](#)

[Continue as Antonio](#)

## App details

The following app details will be visible to app users and are required to generate the API keys needed to authenticate Twitter developer products.

### App name (required) ⓘ

Maximum characters: **32**

### Application description (required)

Share a description of your app. This description will be visible to users so this is a good place to tell them what your app does.

Between 10 and 200 characters

### Website URL (required) ⓘ

**Allow this application to be used to sign in with Twitter** [Learn more](#)

**Enable Sign in with Twitter**

### Callback URLs (required) ⓘ

OAuth 1.0a applications should specify their oauth\_callback URL on the request token step, which must match the URLs provided here. To restrict your application from using callbacks, leave these blank.

[+ Add another](#)

Apps > Bookmarks

App details    Keys and tokens    Permissions

**Keys and tokens**

Keys, secret keys and access tokens management.

**Consumer API keys**

AdPovoMBMxvaazYufmXYJrgXI (API key)  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX (API secret key)

[Regenerate](#)

### Authorize Bookmarks to access your account?

[Authorize app](#)    [Cancel](#)

**This application will be able to:**

- See Tweets from your timeline (including protected Tweets) as well as your Lists and collections.
- See your Twitter profile information and account settings.
- See accounts you follow, mute, and block.
- Follow and unfollow accounts for you.
- Update your profile and account settings.
- Post and delete Tweets for you, and engage with Tweets posted by others (Like, un-Like, or reply to a Tweet, Retweet, etc.) for you.
- Create, manage, and delete Lists and collections for you.
- Mute, block, and report accounts for you.

Learn more about third-party app permissions in the [Help Center](#).

 Bookmarks  
mysite.com:8000/  
Test Django application for social authentication.

≡ **Google APIs**  Search

## New Project

⚠ You have 21 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)

[MANAGE QUOTAS](#)

**Project name \*** Bookmarks ?

Project ID: micro-handler-271712. It cannot be changed later. [EDIT](#)

**Location \*** No organisation [BROWSE](#)

Parent organisation or folder

CREATE CANCEL

≡ **Google APIs** Bookmarks  Search

**Credentials** + CREATE CREDENTIALS DELETE

**Create credentials to access**

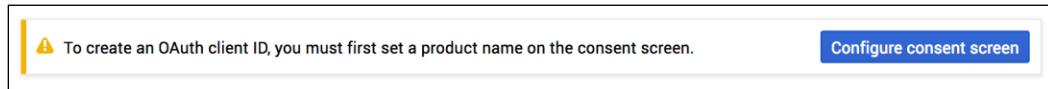
- ⚠ Remember me [Configure consent screen](#)
- API key** Identifies your project using a simple API key to check quota and access.
- OAuth client ID** Requests user consent so that your app can access the user's data.
- Service account** Enables server-to-server, app-level authentication using robot accounts.

**API keys**

Name	Help me choose	Usage with all services (last 30 days)
No API keys to display		

**OAuth 2.0 Client IDs**

Name	Creation date	Type	Client ID
No OAuth clients to display			



## OAuth consent screen

Choose how you want to configure and register your app, including your target users. You can only associate one app with your project.

### User Type

Internal [?](#)

Only available to users within your organisation. You will not need to submit your app for verification.

External [?](#)

Available to any user with a Google Account.

**CREATE**

## OAuth consent screen

Before your users authenticate, this consent screen will allow them to choose whether they want to grant access to their private data, as well as give them a link to your terms of service and privacy policy. This page configures the consent screen for all applications in this project.

#### Verification status

Not published

#### Application name [?](#)

The name of the app asking for consent

Bookmarks

#### Application logo [?](#)

An image on the consent screen that will help users recognise your app

Local file for upload

Browse



#### About the consent screen

The consent screen tells your users who is requesting access to their data and what kind of data you're asking to access.

#### OAuth verification

To protect you and your users, your consent screen and application may need to be verified by Google. Verification is required if your app is marked as Public and at least one of the following is true:

- Your app uses a sensitive and/or restricted scope
- Your app displays an icon on its OAuth consent screen
- Your app has a large number of authorised domains
- You have made changes to a previously verified OAuth consent screen

## OAuth consent screen

### Bookmarks EDIT APP

### Verification status

Not published

### User type

External 

[MAKE INTERNAL](#)

### OAuth rate limits

#### Your user cap

The user cap limits the number of users that can grant permission to your app when requesting unapproved sensitive or restricted scopes. The user cap applies over the entire lifetime of the project, and it cannot be reset or changed. Verified apps will still display the user cap on this page, but the user cap does not apply if you are requesting only approved sensitive or restricted scopes. If your users are seeing the "[unverified app](#)" screen, it is because your OAuth request includes additional scopes that haven't been approved.

 0 users / 100 user cap

**Application type**

- Web application
- Android [Learn more](#)
- Chrome App [Learn more](#)
- iOS [Learn more](#)
- Other

**Name** ?

**Restrictions**

Enter JavaScript origins, redirect URIs or both [Learn more](#)

Origins and redirect domains must be added to the list of authorised domains in the [OAuth consent settings](#).

**Authorised JavaScript origins**

For use with requests from a browser. This is the origin URI of the client application. It cannot contain a wildcard (`https://*.example.com`) or a path (`https://example.com/subdir`). If you're using a non-standard port, you must include it in the origin URI.

Type in the domain and press Enter to add it

**Authorised redirect URIs**

For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorisation code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.

---


✖


---



Type in the domain and press Enter to add it

**Create** **Cancel**



**Google+ API**  
Google

The Google+ API enables developers to build on top of the Google+ platform.

**ENABLE** **TRY THIS API** ↗

## Log-in

Please, use the following form to log-in. If you don't have an account [register here](#)

Username:

[Sign in with Facebook](#)

Password:

[Login with Twitter](#)

[Login with Google](#)

**LOG-IN**

## Chapter 5: Sharing Content on Your Website

### IMAGES

**Images**       Add       Change

---

Bookmarks      My dashboard      Images      People      Hello Antonio, Logout

#### Bookmark an image



Title:

Description:

**BOOKMARK IT!**

**AttributeError at /images/create/**  
'Image' object has no attribute 'get\_absolute\_url'

Action:   0 of 1 selected

<input type="checkbox"/>	TITLE	SLUG	IMAGE	CREATED
<input type="checkbox"/>	Django and Duke	django-and-duke	images/2019/11/18/django-and-duke.jpg	Jan. 03, 2020
1 image				

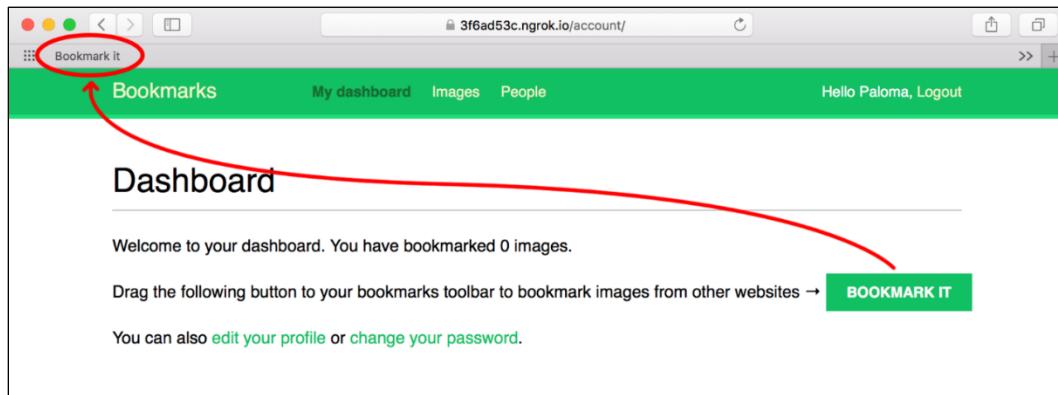
Bookmarks      My dashboard      Images      People      Hello Antonio, Logout

## Dashboard

Welcome to your dashboard. You have bookmarked 1 image.

Drag the following button to your bookmarks toolbar to bookmark images from other websites → [BOOKMARK IT](#)

You can also [edit your profile](#) or [change your password](#).



3f6ad53c.ngrok.io/account/

Bookmark it

Bookmarks      My dashboard      Images      People      Hello Paloma, Logout

## Dashboard

Welcome to your dashboard. You have bookmarked 0 images.

Drag the following button to your bookmarks toolbar to bookmark images from other websites → [BOOKMARK IT](#)

You can also [edit your profile](#) or [change your password](#).

NEW & INTERESTING FINDS ON AMAZON

EXPLORE

Select an image to bookmark:

1-16 of 11,256 results for "django reinhardt"

Show results for

- CDs & Vinyl
- Jazz
- Pop
- European Jazz
- Swing Jazz
- Gypsy Music
- See more
- Books
- Jazz Music
- See more
- See All 21 Departments

Refine by

- International Shipping (What's this?)
- Ship to Spain
- Amazon Prime
- Prime
- Eligible for Free Shipping

The Essential DJANGO REINHARDT    The Essential Django Reinhardt

Bookmarks    My dashboard    Images    People    Hello Paloma, Logout

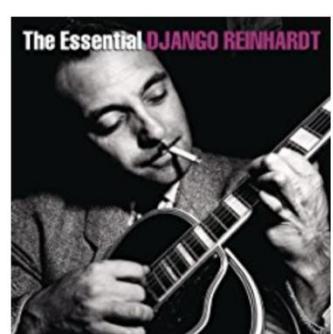
## Bookmark an image

Title:

Description:

**BOOKMARK IT!**

Image added successfully X



0 likes

The Essential Django Reinhardt.

Nobody likes this image yet.

0 likes

LIKE

1 likes

UNLIKE

## Images bookmarked



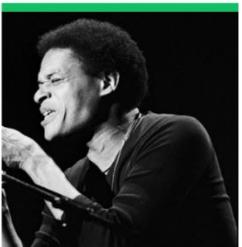
Louis Armstrong



Chick Corea



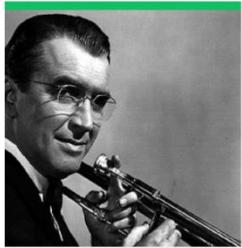
Al Jarreau



Al Jarreau



Ella Fitzgerald



Glenn Miller



Charlie Parker



Nina Simone

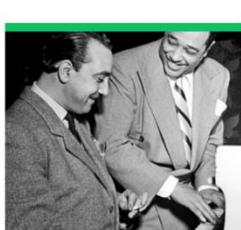
## Chapter 6: Tracking User Actions

Bookmarks    My dashboard    Images    People    Hello Tesla, Logout

# Tesla

0 followers

**FOLLOW**



Django and Duke

Louis Armstrong

Chick Corea



Django administration

WELCOME, ANTONIO. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home · Actions · Actions · Add action

Add action

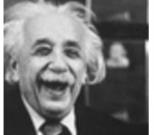
User:  ⏚ +

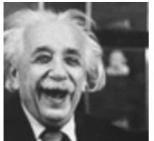
Target ct:  ⏚

Target id:

Verb:

## What's happening

  3 minutes ago  
Einstein likes Alternating electric current generator

  5 minutes ago  
Einstein bookmarked image Turing Machine

  2 days, 2 hours ago  
Tesla likes Chick Corea

Users like:

Tesla  
Einstein  
Turing

+

Hold down "Control", or "Command" on a Mac, to select more than one.

---

Total likes: 2 ▼

## Django and Duke



0 likes    16 views    LIKE

Django and Duke image.  
Nobody likes this image yet.

Bookmarks    My dashboard    Images    People    Hello Antonio, Logout

---

## Images ranking

---

1. [Chick Corea](#)
2. [Louis Armstrong](#)
3. [Al Jarreau](#)
4. [Django Reinhardt](#)
5. [Django and Duke](#)

# Chapter 7: Building an Online Shop

Django administration

WELCOME, ADMIN VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Shop > Products

The product "Green tea" was added successfully.

Select product to change

Action:  0 of 1 selected

<input type="checkbox"/>	NAME	SLUG	PRICE	AVAILABLE	CREATED	UPDATED
<input type="checkbox"/>	Green tea	green-tea	30,00	<input checked="" type="checkbox"/>	Jan. 04, 2020, 10:17 a.m.	Jan. 04, 2020, 10:17 a.m.

1 product

**FILTER**

By available

- All
- Yes
- No

By created

- Any date
- Today
- Past 7 days
- This month
- This year

By updated

- Any date
- Today
- Past 7 days
- This month
- This year

My shop

Your cart is empty.

**Products**

Categories

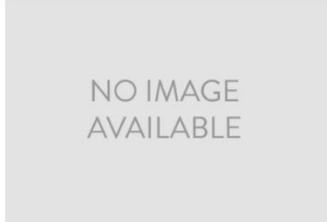
All

Tea

Green tea  
\$30.00

Red tea  
\$45.50

Tea powder  
\$21.20

 NO IMAGE AVAILABLE		
Green tea \$30.00	Red tea \$45.50	Tea powder \$21.20

My shop

Your cart is empty.



**Red tea**  
Tea  
**\$45.50**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

My shop

Your cart is empty.



**Red tea**  
Tea  
**\$45.50**

Quantity:

## Your shopping cart

Image	Product	Quantity	Remove	Unit price	Price
	Red tea	2	<button>Remove</button>	\$45.50	\$91.00
Total					\$91.00

[Continue shopping](#)

[Checkout](#)

## Your shopping cart

Image	Product	Quantity	Remove	Unit price	Price
	Red tea	<input type="button" value="2"/> <input type="button" value="Update"/>	<button>Remove</button>	\$45.50	\$91.00
Total					\$91.00

[Continue shopping](#)

[Checkout](#)

## My shop

Your cart: 2 items, \$91.00

## Add order

First name:

Last name:

Email:

Address:

Postal code:

City:

Paid

ORDER ITEMS			
PRODUCT	PRICE	QUANTITY	DELETE?
<input type="text"/> 	<input type="text"/>	<input type="text"/> 1 <input type="button" value=""/>	<input type="button" value="Delete"/>
<input type="text"/> 	<input type="text"/>	<input type="text"/> 1 <input type="button" value=""/>	<input type="button" value="Delete"/>
<input type="text"/> 	<input type="text"/>	<input type="text"/> 1 <input type="button" value=""/>	<input type="button" value="Delete"/>
<a href="#">+ Add another Order item</a>			
		<input type="button" value="Save and add another"/>	<input type="button" value="Save and continue editing"/>
		<input type="button" value="SAVE"/>	

My shop

Your cart: 3 items, \$112.20

## Checkout

First name:

Last name:

Email:

Address:

Postal code:

City:

[Place order](#)

**Your order**

- 2x Red tea \$91.00
- 1x Tea powder \$21.20

**Total: \$112.20**

# Thank you

Your order has been successfully completed. Your order number is 1.

Active: 0	Processed: 1	Failed: 0	Succeeded: 1	Retried: 0			
Search: <input type="text"/>							
Worker Name	Status	Active	Processed	Failed	Succeeded	Retried	Load Average
celery@MBP-amele.finhub.internal	Online	0	1	0	1	0	3.57, 2.53, 2.41

Showing 1 to 1 of 1 entries

## Chapter 8: Managing Payments and Orders

### Test Everything Braintree

Entering our sandbox allows you to get a feel for the Braintree experience before applying for a merchant account or going to production.

Already in the sandbox? [Sign in.](#)

**Sign up for the sandbox**

First Name  Last Name

Company Name

Where Is Your Business Located?

Email Address

I agree that Braintree may contact me at the email address or phone number above.

**Try the sandbox**

### Sandbox Keys & Configuration

Here are the keys to your Sandbox Account. Once you're ready to start taking payments with a production Braintree Account you'll have to update your code, replacing these with your production Braintree Account keys.

Merchant ID:	t8xvb4n63bkjt6s5
Public Key:	jq9sk95qr7hc65kk
Private Key:	XXXXXXXXXXXXXXXXXXXXXXXXXXXX

## Pay by credit card

Card Number

CVV

Expiration Date

Pay

## Pay by credit card

Card Number

4111 1111 1111 1111

CVV

123

Expiration Date

12 / 28

Pay

## My shop

Your payment was successful

Your payment has been processed successfully.

Amount	Type	Status	ID	Customer	Payment Method	Date
21,20 € EUR	Sale	Settled	2bwkx5b6		VISA 411111*****1111	Jan 4, 2020 1:19 PM

Paid

Braintree id:

2bwkx5b6

Select user to change



Action:

\_\_\_\_\_

Go

0 of 1 selected



U

Delete selected users

EMAIL ADDRESS



admin

## Select order to change

Action: [Export to CSV](#) [Go](#) 1 of 19 selected

<input type="checkbox"/>	ID	FIRST NAME	LAST NAME	EMAIL	ADDRESS
<input checked="" type="checkbox"/>	19	Antonio	Melé	antonio.mele@gmail.com	Bank Street
<input type="checkbox"/>	18	Django	Reinhardt	email@domain.com	Music Street

PAID	CREATED	UPDATED	ORDER DETAIL
	Jan. 4, 2020, 7:19 p.m.	Jan. 4, 2020, 7:19 p.m.	<a href="#">View</a>

Django administration

Home > Orders > Order 4 > Detail

Order 4

[PRINT ORDER](#)

**Created** Jan. 4, 2020, 7:19 p.m.

**Customer** Antonio Melé

**E-mail** antonio.mele+sale@gmail.com

**Address** Test, 28027 Madrid

**Total amount** \$21.20

**Status** Paid

**Items bought**

PRODUCT	PRICE	QUANTITY	TOTAL
Tea powder	\$21.20	1	\$21.20
Total			\$21.20

UPDATED	ORDER DETAIL	INVOICE
Jan. 4, 2020, 7:19 p.m.	<a href="#">View</a>	<a href="#">PDF</a>

# My Shop

Invoice no. 4  
Jan 04, 2020

## Bill to

Antonio Melé  
antonio.mele+sale@gmail.com  
Test  
28027, Madrid

## Items bought

Product	Price	Quantity	Cost
Tea powder	\$21.20	1	\$21.20
Total			\$21.20

PENDING PAYMENT

# My Shop

Invoice no. 4  
Jan 04, 2020

## Bill to

Antonio Melé  
antonio.mele+sale@gmail.com  
Test  
28027, Madrid

## Items bought

Product	Price	Quantity	Cost
Tea powder	\$21.20	1	\$21.20
Total			\$21.20

PAID

# Chapter 9: Extending Your Shop

Django administration

WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Coupons > Coupons > Add coupon

Add coupon

Code:

Valid from: Date:  Today | Time:  Now |

Note: You are 1 hour ahead of server time.

Valid to: Date:  Today | Time:  Now |

Note: You are 1 hour ahead of server time.

Discount:

Active

Your shopping cart

Image	Product	Quantity	Remove	Unit price	Price
	Tea powder	1	<input type="button" value="Update"/>	\$21.20	\$21.20
Subtotal					\$21.20
"SUMMER" coupon (10% off)					-\$2.12
Total					\$19.08
Apply a coupon:					
Coupon: <input type="text"/>	<input type="button" value="Apply"/>				
<input type="button" value="Continue shopping"/>				<input type="button" value="Checkout"/>	



<input checked="" type="checkbox"/> Paid			
Braintree id:	k5hxjfa		
Coupon:	SUMMER		
Discount:	10		
<b>ORDER ITEMS</b>			
PRODUCT	PRICE	QUANTITY	DELETE?
4	3  Tea powder	21,20	1 <input type="checkbox"/>

Rosetta

Home > Language selection

Filter: PROJECT THIRD PARTY DJANGO ALL

English						
APPLICATION	PROGRESS	MESSAGES	TRANSLATED	FUZZY	OBSOLETE	FILE
Myshop	0%	24	0	0	0	/Users/zenx/dbe3/chapter 9/myshop/locale/en/LC_MESSAGES/django.po
Orders	0%	13	0	0	0	/Users/zenx/dbe3/chapter 9/myshop/orders/locale/en/LC_MESSAGES/django.po

Spanish						
APPLICATION	PROGRESS	MESSAGES	TRANSLATED	FUZZY	OBSOLETE	FILE
Myshop	8%	24	2	0	0	/Users/zenx/dbe3/chapter 9/myshop/locale/es/LC_MESSAGES/django.po
Orders	100%	13	13	0	0	/Users/zenx/dbe3/chapter 9/myshop/orders/locale/es/LC_MESSAGES/django.po
Rosetta	73%	37	28	1	2	/Users/zenx/env/dbe3/lib/python3.7/site-packages/rosetta/locale/es/LC_MESSAGES/django.po

Translate into Spanish		Display:	UNTRANSLATED ONLY	TRANSLATED ONLY	FUZZY ONLY	ALL
<input type="text"/>	<input type="button" value="Go"/>					
ORIGINAL	SPANISH	<input type="checkbox"/> FUZZY	OCCURRENCES(S)			
Quantity	Cantidad	<input type="checkbox"/>	cart/forms.py:12			
Coupon	Cupón	<input type="checkbox"/>	coupons/forms.py:6			
English	Inglés	<input type="checkbox"/>	myshop/settings.py:117			
Spanish	Español	<input type="checkbox"/>	myshop/settings.py:118			
My shop	Mi tienda	<input type="checkbox"/>	shop/templates/shop/base.html:7 shop/templates/shop/base.html:12			
Your cart	Tu carro	<input type="checkbox"/>	shop/templates/shop/base.html:18			

0:	<code>%(items)s producto, \$%(total)s</code>
<code>%(items)s item, \$%(total)s</code>	
1:	<code>%(items)s productos, \$%(total)s</code>
<code>%(items)s items, \$%(total)s</code>	

Mi tienda Language: English Español

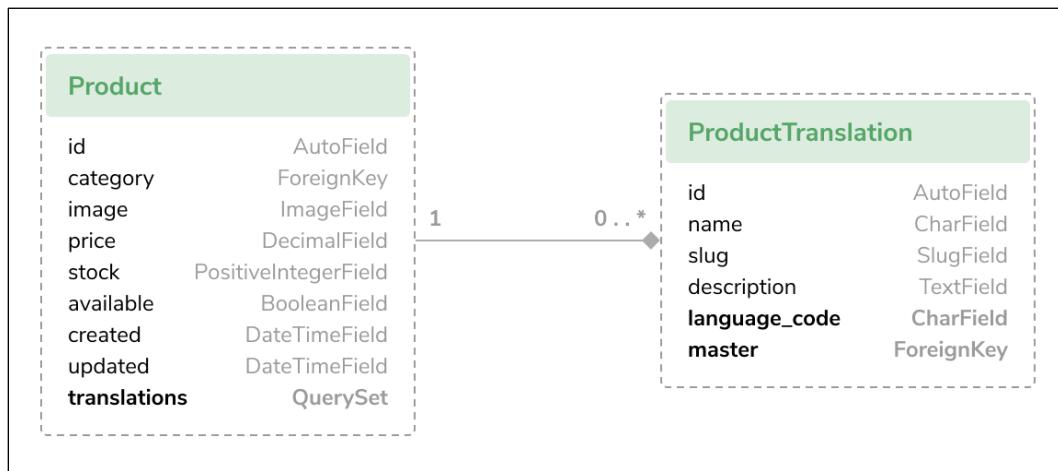
Tu carro está vacío.

## Productos

Categorías

- [Todos](#)
- [Té](#)

 Green tea \$30,00	 Red tea \$45,50	 Tea powder \$21,20
---	--	--



Django administration

WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Shop > Categories > Tea

Change category (English)

**English** Spanish

Name:	Tea
Slug:	tea

**Delete** Save and add another Save and continue editing SAVE

Mi tienda

Language: English Español

Tu carro está vacío.

## Productos

Categorías

Todos

Té

Té verde  
\$30,00

Té rojo  
\$45,50

Té en polvo  
\$21,20

Mi tienda

Language: English Español

Tu carro está vacío.

Té rojo

Té

\$45,50

Cantidad:  Añadir al carro



**Tea powder**  
Tea  
**\$21.20**

Quantity:

People who bought this also bought

		
Black tea	Red tea	Green tea

### Your shopping cart

Image	Product	Quantity	Remove	Unit price	Price
	Green tea	<input type="button" value="1"/> <input type="button" value="Update"/>	<input type="button" value="Remove"/>	\$30.00	\$30.00
	Tea powder	<input type="button" value="1"/> <input type="button" value="Update"/>	<input type="button" value="Remove"/>	\$21.20	\$21.20
<b>Total</b> \$51.20					

People who bought this also bought

	
Black tea	Red tea

Apply a coupon:

Coupon:

# Chapter 10: Building an E-Learning Platform

Django administration

WELCOME ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Courses > Subjects

Select subject to change

Action: ----- Go 0 of 4 selected

<input type="checkbox"/>	TITLE	SLUG
<input type="checkbox"/>	Mathematics	mathematics
<input type="checkbox"/>	Music	music
<input type="checkbox"/>	Physics	physics
<input type="checkbox"/>	Programming	programming

4 subjects

[ADD SUBJECT +](#)

EDUCA [Sign out](#)

## Log-in

Please, use the following form to log-in:

Username:

Password:

[LOG-IN](#)

Add group

Name:

Permissions:

Available permissions ?

- courses | subject | Can add subject
- courses | subject | Can change subject
- courses | subject | Can delete subject
- courses | subject | Can view subject

Chosen permissions ?

- courses | content | Can add content
- courses | content | Can change content
- courses | content | Can delete content
- courses | content | Can view content
- courses | course | Can add course
- courses | course | Can change course
- courses | course | Can delete course
- courses | course | Can view course
- courses | file | Can add file
- courses | file | Can change file
- courses | file | Can delete file
- courses | file | Can view file
- courses | image | Can add image
- courses | image | Can change image
- courses | image | Can delete image
- courses | image | Can view image

**Choose all ?** Hold down "Control", or "Command" on a Mac, to select more than one.

**Remove all ?**

**Delete** **Save and add another** **Save and continue editing** **SAVE**

Groups:

Available groups ?

Chosen groups ?

Instructors

EDUCA

## My courses

You haven't created any courses yet.

[CREATE NEW COURSE](#)

## Create a new course

### Course info

Subject:

Title:

Slug:

Overview:

**SAVE COURSE**

EDUCA

## My courses

Django course

[Edit](#) [Delete](#)

[CREATE NEW COURSE](#)

EDUCA

### Delete course "Django course"

Are you sure you want to delete "Django course"?

[CONFIRM](#)

## Edit "Django course"

### Course modules

Title:

Description:

Delete:

Title:

Description:

Delete:

**SAVE MODULES**

EDUCA

## Add new content

### Course info

Title:

File:

no file selected

**SAVE CONTENT**

EDUCA

## Course "Django course"

Modules

MODULE 1  
Introduction to Django

[Edit modules](#)

Module 1: Introduction to Django

Module contents:

This module has no contents yet.

Add new content:

[Text](#)

[Image](#)

[Video](#)

[File](#)

EDUCA

## Course "Django course"

Modules

MODULE 1  
Introduction to Django

MODULE 2  
Configuring Django

[Edit modules](#)

Module 2: Configuring Django

Module contents:

Setting up Django (text)

[Edit](#)      [Delete](#)

Example settings.py (image)

[Edit](#)      [Delete](#)

Add new content:

[Text](#)

[Image](#)

[Video](#)

[File](#)

EDUCA

## Course "Django course"

Modules

MODULE 1  
**Introduction to Django**

MODULE 2  
**Configuring Django**

[Edit modules](#)

Module 2: Configuring Django



Contents:

Setting up Django (text)

[Edit](#)      [Delete](#)

Example settings.py (image)

[Edit](#)      [Delete](#)

Add new content:

[Text](#)

[Image](#)

[Video](#)

[File](#)

# Chapter 11: Rendering and Caching Content

The screenshot shows the 'All courses' page of the EDUCA platform. At the top, there's a green header bar with the word 'EDUCA' on the left and a 'Sign out' link on the right. Below the header, the main content area has a light gray background. On the left side, there's a dark sidebar with the title 'Subjects' at the top. Under 'Subjects', there are five categories: 'All' (which is highlighted in a darker shade), 'Mathematics' (1 COURSES), 'Music' (0 COURSES), 'Physics' (0 COURSES), and 'Programming' (2 COURSES). To the right of the sidebar, the main content area lists three courses: 'Django course' (Programming, 2 modules, Instructor: Antonio Melé), 'Python for beginners' (Programming, 2 modules, Instructor: Laura Marlon), and 'Algebra basics' (Mathematics, 4 modules, Instructor: Laura Marlon).

The screenshot shows the 'Django course' page of the EDUCA platform. At the top, there's a green header bar with the word 'EDUCA' on the left and a 'Sign out' link on the right. Below the header, the main content area has a light gray background. The title 'Django course' is displayed prominently at the top. Below the title, there's a section titled 'Overview'. Under 'Overview', it says 'Programming, 2 modules. Instructor: Antonio Melé'. A descriptive paragraph follows: 'Meet Django. Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.'

## Sign up

Enter your details to create an account:

**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.

**CREATE MY ACCOUNT**

## Overview

[Programming](#). 2 modules. Instructor: Antonio Melé

Meet Django. Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.

**ENROLL NOW**

EDUCA

Sign out

## Introduction to Django

Modules

MODULE 1  
Introduction to Django

MODULE 2  
Configuring Django

MODULE 3  
Your first Django project

MODULE 4  
Django URLs

### Why Django?

Meet Django. Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers , it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.

### Django video

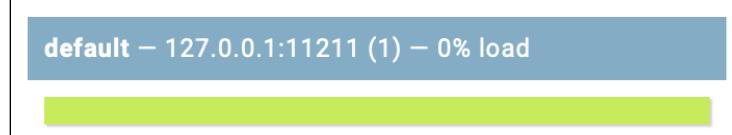
DjangoCon 2012 - Malcolm Tredinnick "The ... 



In the background...

- All aliases in a QuerySet can be changed at once
  - T1, T2, T3, ... → U1, U2, U3, ...
  - for nested queries
- QuerySets can be merged
- Same table can appear with different aliases

New Relic



**Memcache Status:****default** – 127.0.0.1:11211 (1) – 0% load**Miss Ratio** 38%**Avg GET by item** 3**Avg GET by seconds/minutes** 0/0**Detailed Statistics:****Pid** 91009**Uptime** 0y, 1d, 3h, 33m, 12s**Time** 03/04/20 23:18:47**Version** 1.5.22**Libevent** 2.1.11-stable

## Chapter 12: Building an API

Subject List

OPTIONS GET ▾

GET /api/subjects/

HTTP 200 OK

Allow: GET, HEAD, OPTIONS

Content-Type: application/json

Vary: Accept

```
[  
    {  
        "id": 1,  
        "title": "Mathematics",  
        "slug": "mathematics"  
    },  
    {  
        "id": 2,  
        "title": "Music",  
        "slug": "music"  
    },  
    {  
        "id": 3,  
        "title": "Physics",  
        "slug": "physics"  
    },  
    {  
        "id": 4,  
        "title": "Programming",  
        "slug": "programming"  
    }  
]
```

# Api Root

OPTIONS

GET ▾

The default basic root view for DefaultRouter

GET /api/

**HTTP 200 OK**

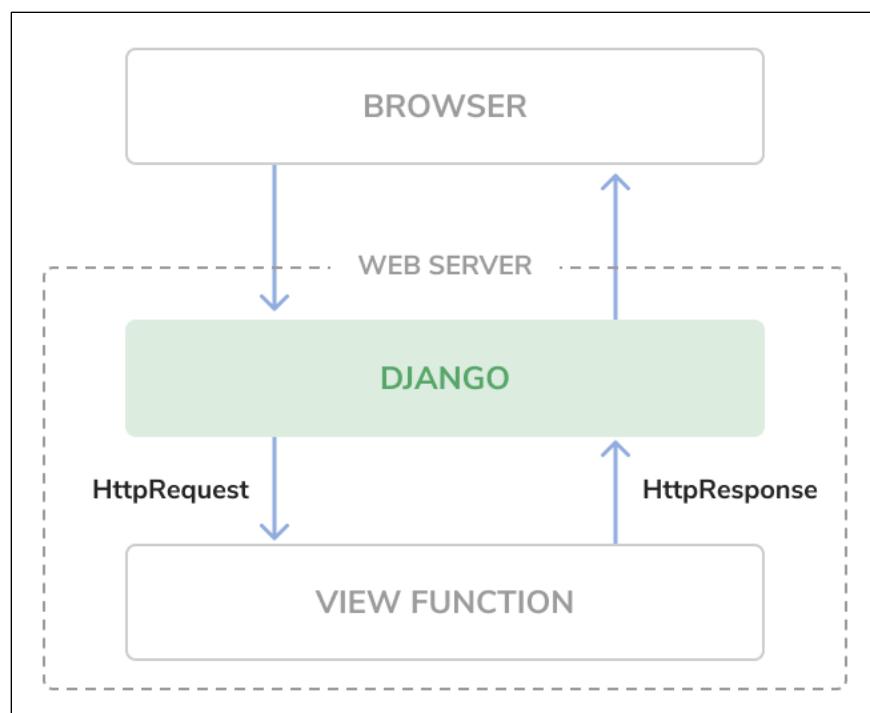
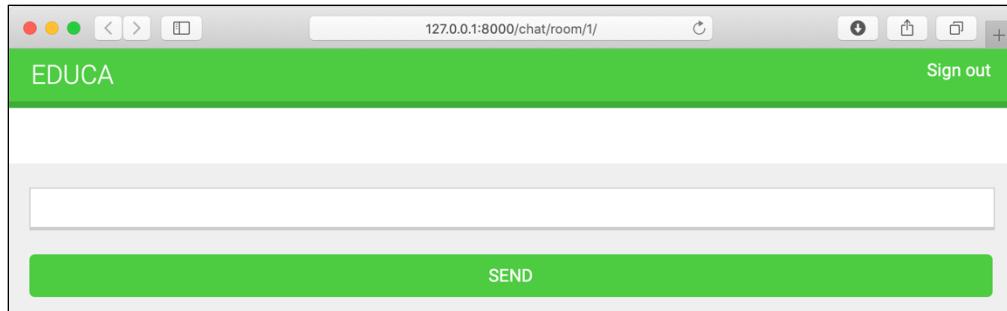
**Allow:** GET, HEAD, OPTIONS

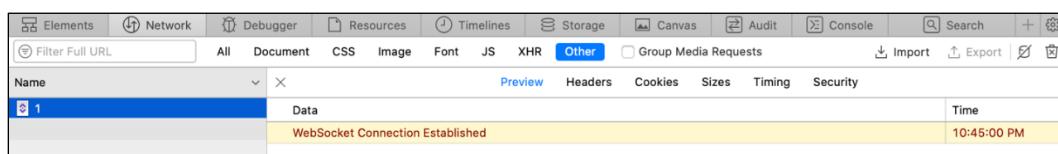
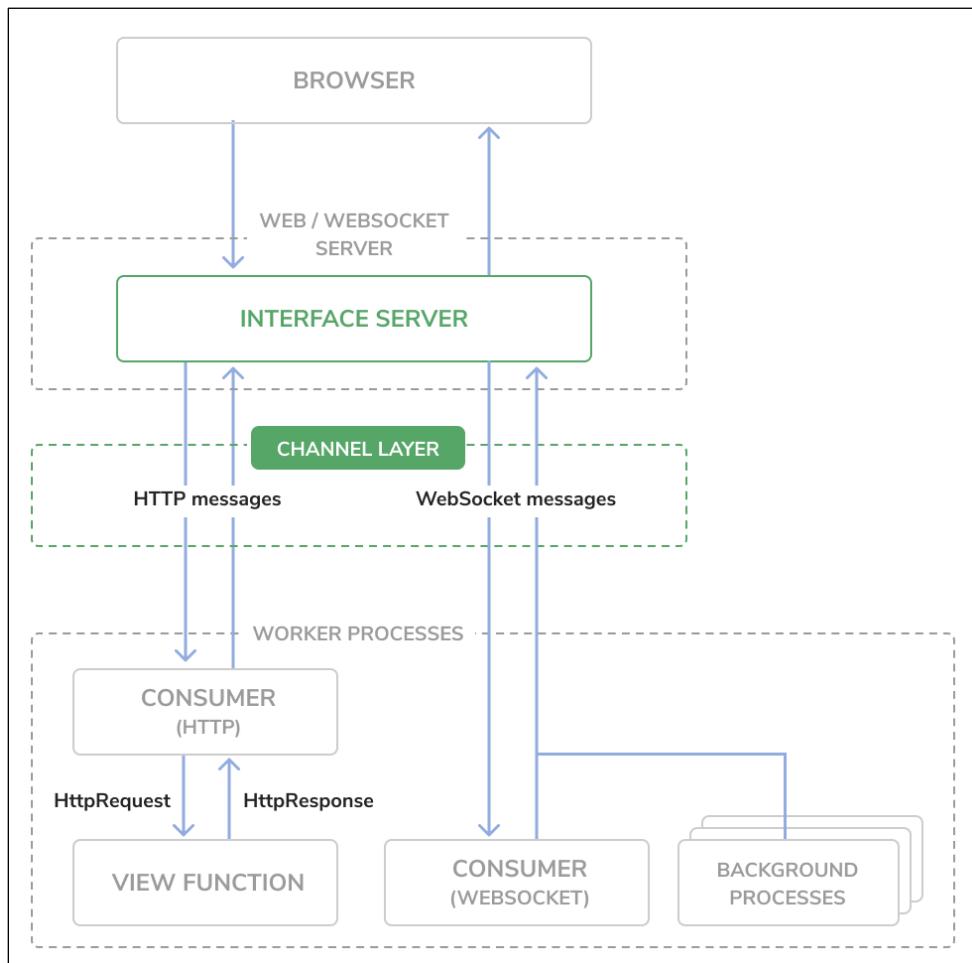
**Content-Type:** application/json

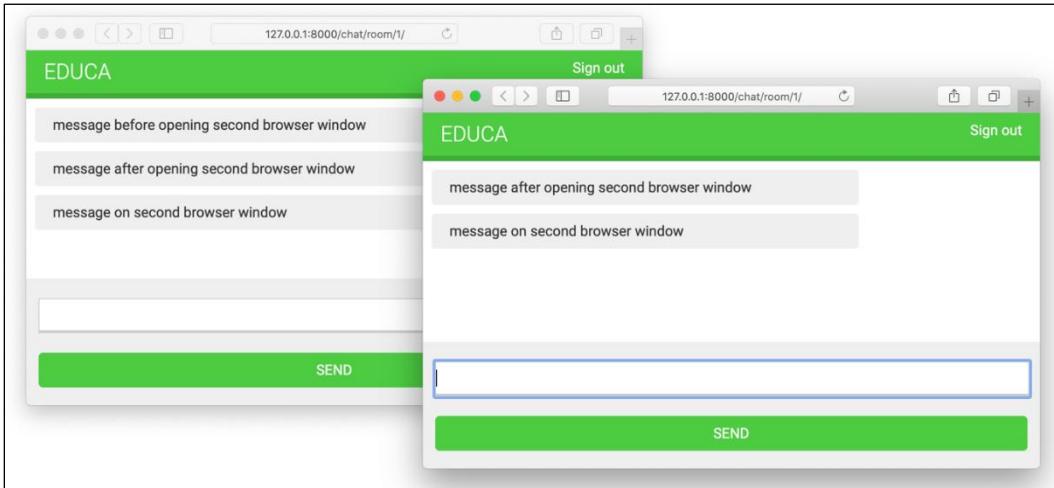
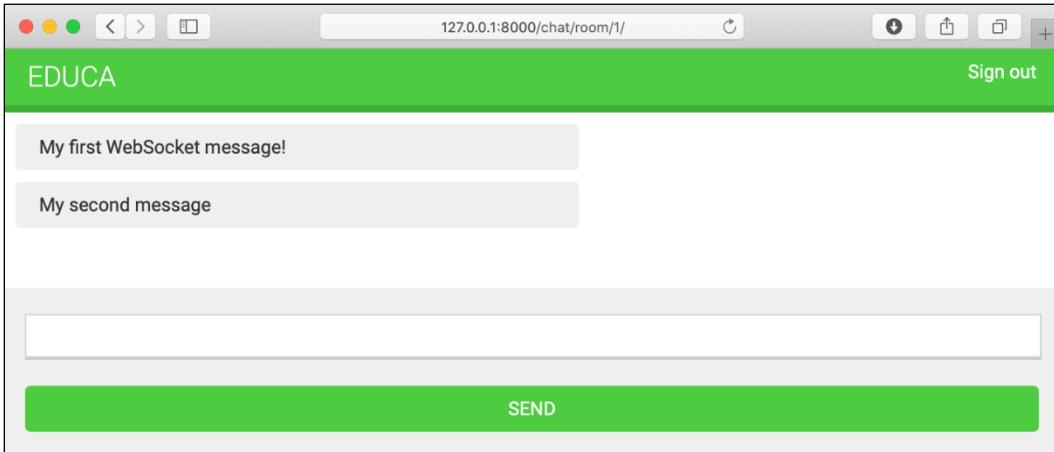
**Vary:** Accept

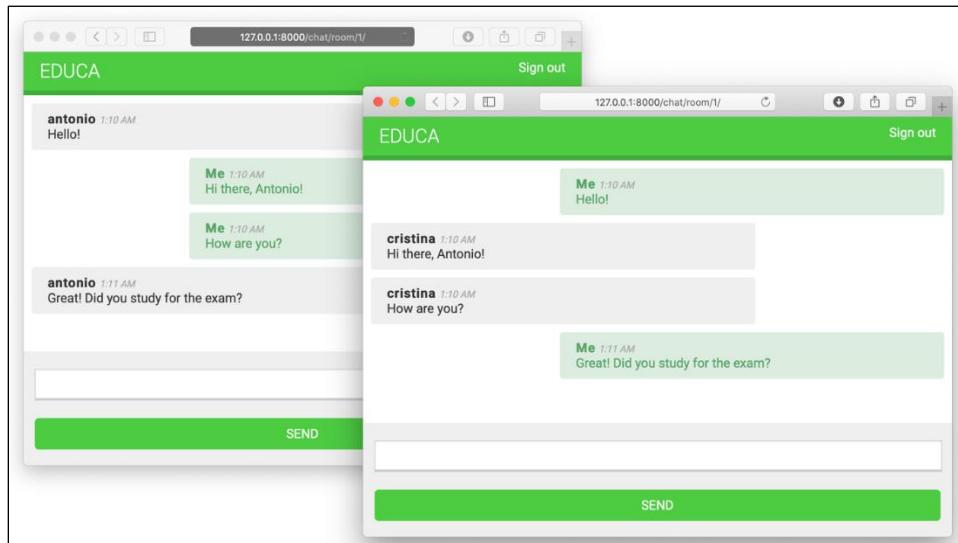
```
{  
    "courses": "http://127.0.0.1:8000/api/courses/"  
}
```

## Chapter 13: Building a Chat Server







A screenshot of a web-based course platform.  
  
Header: 'EDUCA' and 'Sign out'.  
  
Main Content:

- ## Introduction to Django
- ### Modules

  - MODULE 1**  
**Introduction to Django**
  - MODULE 2**  
**Configuring Django**
  - MODULE 3**  
**Your first Django project**
  - MODULE 4**  
**Django URLs**
- ### Course chat room
- ### Why Django?

Meet Django. Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers , it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.
- ### Django video

DjangoCon 2012 - Malcolm Tredinnick "The ..."

A video player showing a presentation slide titled 'In the background...'. The slide lists:
  - All aliases in a QuerySet can be changed at once
    - T1, T2, T3, ... -> U1, U2, U3, ...
    - for nested queries
  - QuerySets can be merged
  - Same table can appear with different aliasesA video player control bar is visible at the top of the video frame.

## Chapter 14: Going Live

