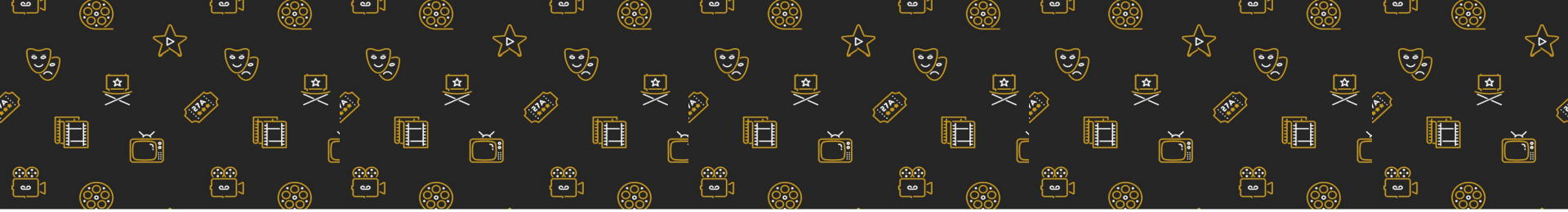


# Using Django to build a custom, complex publishing platform for Nigerian movies





# Onyeka Aghanenu

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 @onyekaag

[nlist.ng](https://nlist.ng)

# What is nlist?

- ★ Online database of Nigerian TV/Movies and their actors and creators.
- ★ Casting and recruitment platform for actors/crew
- ★ Community for industry stakeholders - actors, crew, producers - and film fans.
- ★ TV/Movie Charts, Guides, News and Reviews
- ★ Nollywood Research Resource

[movies/tv](#)[people](#)[add movie](#)[more](#)**share your story.**

Are you a filmmaker or an actor? Help us build the richest database of African stories, and their creators, in the world.

[learn more](#)

### recent releases



kòròfo (empty shell)  
Oct 10



merry men: the real...  
Sep 28



sylvia  
Sep 21



what just happened?  
Sep 14



funke!  
Sep 7



the vendor  
Sep 7



african queen  
Sep 7

[browse more movies](#)

### new videos



official trailer  
wings of a dove



teaser  
losing my religion



official trailer  
the vendor



official trailer  
merry men: the real yoruba demons



official trailer  
from lags

### news from nollywood



welcome to nlist!



Hi,  
Can we help you with  
anything?

**nlist**

# Features/Solutions

- ★ Detailed search & movie information including media
- ★ Casting Boards and Applicant Tracking
- ★ TV/Movie Charts, Reviews and Guides
- ★ Industry Statistics and APIs
- ★ Notifications, Private Messaging,
- ★ Aggregated News and Recommendations
- ★ Links to legal online streams and trailers



love|



### LoveLorn

ik ogbonna, rukky sanda



### 4-1-Love

anthony monjaro, deyemi okanlawon



### Lovebirds

florence fosan, saraii



### Love

richard mofe damijo, genevieve nnaji



### Love Lost

mary lazarus, chigul

More search results for "l" >

## add your review

your rating \*



summary

review

1000 characters remaining

add your review

Your review must be between 750 and 1000 characters. Please refrain from leaving spoilers and using profanity or your review will be deleted.

## user reviews



Loved it

onyeka on 02/05/2015 8:46 a.m.

Ahead of it's time. Definitely a lot better than I was expecting. Don't know where to send this info just thought I'd share a little bit about how I was feeling at this point in time. Russian microcredit market emerged not so long ago and is now quickly developing. Competition is very high. For us it was important to instill confidence in the visitors, make a lasting impression and, of ... [Full Review](#)



It's okay

OnyekaAg on 01/11/2015 11:26 p.m.

Could have been better. [Full Review](#)

user reviews



[movies/tv](#)[people](#)[add movie](#)[more](#)

## recent casting notices

10 available roles

[post a casting notice](#)

### filter roles

Find the right role by adjusting the options below:

age range: 1 - 99



#### production type

- ☐ feature (5)
- ☐ television (5)

#### role type

- ☐ lead (4)
- ☐ supporting (6)

#### gender

- ☐ any (2)
- ☐ females (4)
- ☐ males (4)

#### physical build

- ☐ athletic (2)
- ☐ heavyset (2)
- ☐ slim (4)

#### physical attributes

#### languages

- ☐ english (8)
- ☐ igbo (1)

#### skills

Sort: **recent** **deadline date**

### new game show

television • 12/05/2017 • 1 open role

This casting is for a new game show to be run in Lagos, particularly Ikeja, that will run from June to August. We need individuals to handle set maintenance and building for the duration of this project. You will be working from afternoon to evening everyday.

### horror movie

feature • 15/08/2015 • 1 open role

Fusce enim turpis, pharetra nec enim sit amet, tempor scelerisque urna. Mauris velit dolor, maximus faucibus tortor eu, ultrices bibendum arcu. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Fusce enim turpis, pharetra nec enim sit amet, tempor s...

### family comedy

feature • 06/04/2015 • 1 open role

A family-oriented comedy is slated to start shooting in Lagos. The shoot will be about 6 weeks, and a large, diverse cast is needed.

### new jerk city

television • 09/01/2015 • 4 open roles

Every Song of Summer has a saga behind it. And Drake's breakthrough arrives as a happy accident built on plenty of high-level networking, a label bidding war and an astonishing degree of cooperation among rap world big shots. Chief among them: Drake's manager, the founder of the New York...

casting notices



nlist

# find talent

3 resumes

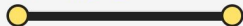
post a casting notice

it's simple and easy!

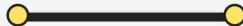
## filter results

Find the right person by  
adjusting the options below:

age range: 1 - 99



height: 3' 0" - 7' 1"



### gender

- ☐ female (2)  
☐ male (1)

### physical build

- ☐ athletic (1)  
☐ average (1)  
☐ curvy (1)

0 Selected | Remove Selected from List

Sort By:

date added

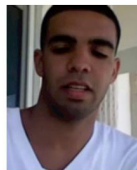
name



**omotola jalade**  
Female  
Ages: 28 - 40  
Height: 5' 1"



**kriisèné stewart**  
Female  
Ages: 1 - 100



**ramsey nouah**  
Male  
Ages: 18 - 26  
Height: 6' 1"



## omotola jalade

Actress, Director, Producer

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla nec leo congue, aliquam neque vitae, placerat erat. Vivamus fini... [Full Bio](#)

### notable credits

**Phone Swap (2014), Living In Bondage (1993)**

playing age range  
**28 - 40**

height  
**5' 1"**

### physical attributes

**Curvy**

### skills

**Kicking, Dancing, Gymnastics**

send message

add to list

full profile

talent search

[movies/tv](#)[people](#)[add movie](#)[more](#)

## casting dashboard

[Create New Notice](#)[Active Notices](#)[Expired Notices](#)[Drafts](#)

### all notices

production	expiry date	roles	applicants	status
<b>Family Comedy</b> <a href="#">Edit Notice</a>   <a href="#">View Roles</a>   <a href="#">View Applicants</a>	Sept. 25, 2015	1	0	ACTIVE
<b>New Jerk City</b> <a href="#">Edit Notice</a>   <a href="#">View Roles</a>   <a href="#">View Applicants</a>	Sept. 25, 2015	4	0	ACTIVE
<b>New Game Show</b> <a href="#">Edit Notice</a>   <a href="#">View Roles</a>   <a href="#">View Applicants</a>	May 30, 2017	1	0	ACTIVE
<b>Nigerian Civil War Documentary</b> <a href="#">Edit Notice</a>   <a href="#">View Roles</a>   <a href="#">View Applicants</a>	Sept. 25, 2015	3	2	ACTIVE

casting dashboard

[blog](#)[privacy policy](#)[terms of use](#)[contact](#)[@nlistng](#)[@nlistng](#)[nlistng](#)

© 2018 nlist Nollywood Listings



nlist

**WHY THO**



- ★ Nollywood is the 3rd biggest film producer in the world but info is poor/scarce.
- ★ No singular credible source for data on Nollywood TV/Movie titles.
- ★ I love data.
- ★ No dedicated online community for Nigerian film fans and other stakeholders
- ★ Existing solutions were unimpressive

# Why Django?

- ★ Originally started with Wordpress, then Drupal.
- ★ Hated the overhead
- ★ I didn't know enough PHP (whoops)
- ★ Advised to try Python: Easy, good for data analytics
- ★ Django Documentation is EXCELLENT.
- ★ Django comes with great but non-compulsory tools like ORM, Auth, Admin

# Third Party Tools

- ★ Django AllAuth
- ★ Django Haystack/Elastisearch
- ★ Sorl-Thumbnail & Django SES
- ★ Django Filter
- ★ Django Reversion
- ★ Django Celery

# Third Party Admin Tools

- ★ Django Suit
- ★ Google Analytics API & Django HitCount
- ★ Django Redactor
- ★ Django Autocomplete Light
- ★ Django Batch Uploader



# Django Suit

Home

Title

Accounts

Authentication and authorization

Casting

Cinema

Company

Core

Cyber

Flat Pages

Gitcount

Images

News

Notifications

People

Reputation

Reviews

Sites

Social Accounts

Title

Departments

Film Series

Home > Title >

List View with custom colours, fonts and branding

Titles

Keyword

Status













Type

Created by

Search

Recover deleted titles

Add title

<input type="checkbox"/>	Title	Original Release/Air Date	Production status	Type	Modified date	Status
<input type="checkbox"/>	 <b>The Ten Virgins</b>	-	Post-Production	Movie	July 3, 2018, 6:59 a.m.	Published
<input type="checkbox"/>	 <b>Wrong Line Hustlers</b>	-	Post-Production	TV Series	July 3, 2018, 6:57 a.m.	Published
<input type="checkbox"/>	 <b>Midnight Crew</b>	June 22, 2018	Released	Movie	July 1, 2018, 8:01 p.m.	Published
<input type="checkbox"/>	 <b>Omambala</b>	-	In-Production	Movie	June 20, 2018, 3:52 p.m.	Published
<input type="checkbox"/>	 <b>Club</b>	June 1, 2018	Released	Movie	June 20, 2018, 3:35 p.m.	Published
<input type="checkbox"/>	 <b>The Washerman</b>	Aug. 31, 2018	Post-Production	Movie	June 20, 2018, 12:26 p.m.	Published
<input type="checkbox"/>	 <b>Mr Kingpin</b>	-	Post-Production	Movie	June 9, 2018, 3:42 p.m.	Published
<input type="checkbox"/>	 <b>Accra Hustlers</b>	-	In-Production	Movie	June 9, 2018, 3:26 p.m.	Published
<input type="checkbox"/>	 <b>Emi</b>	-	Post-Production	Movie	June 9, 2018, 3:23 p.m.	Published
<input type="checkbox"/>	 <b>Akunne</b>	-	Post-Production	Movie	June 9, 2018, 3:18 p.m.	Published
<input type="checkbox"/>	 <b>Kôrôfo (Empty Shell)</b>	Oct. 10, 2018	Post-Production	Movie	June 7, 2018, 3:36 p.m.	Published
<input type="checkbox"/>	 <b>ONYEKA THE EVIL SERPENT</b>	June 5, 2018	Post-Production	Movie	June 6, 2018, 1:03 p.m.	Draft


# Custom Admin Views

Home > Title >


Custom Gallery View for Uploaded Images

Title Images


☐ Select/Deselect All

☐


Midnight Crew  
June 28, 2018, 5:28 p.m.

☐


Club  
June 20, 2018, 3:35 p.m.

☐


Club  
June 20, 2018, 3:35 p.m.

☐


Club  
June 20, 2018, 3:35 p.m.

☐


Castle and Castle  
June 20, 2018, 2:41 p.m.

☐


Castle and Castle  
June 20, 2018, 2:41 p.m.

☐


Paradise  
June 4, 2018, 6:41 p.m.

☐


Mind's Eye  
June 4, 2018, 2:25 p.m.

☐


Mind's Eye  
June 4, 2018, 2:25 p.m.

☐


Mind's Eye  
June 4, 2018, 2:25 p.m.


☐


Beast Within  
June 4, 2018, 1:38 p.m.

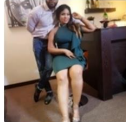
☐


Insta Guru  
June 4, 2018, 12:26 p.m.


☐

☐

☐

☐

☐

☐

# Faceted Search

## search

229 results for "love"

### titles



**LoveLorn** (Unknown)

Ik Ogonna, Rukky Sanda



**4-1-Love** (2016 )

Anthony Monjaro, Deyemi Okanlawon



**Lovebirds** (2018 )

Florence Fosan, SaRaii



**Love** (Unknown)

Richard Mofe Damijo, Genevieve Nnaji



**Love Lost** (Unknown)

Mary Lazarus, Chigul



**Baby Love** (2011 )

Prince David Osei, Jackie Appah



**Housegirl Lover** (2015 )

### filter results

#### By Type

Title (171)

People (58)

#### By Year

Unknown (95)

2016 (14)

Post-Production (9)

2015 (9)

2014 (9)

2010 (9)

2018 (7)

2017 (7)

2009 (5)

2011 (3)

2013 (1)

2012 (1)

2008 (1)

2003 (1)

#### By Genre

(97)

Drama (65)

Romance (15)

Comedy (5)

Short (1)

# Content Editing with Redactor

¶

B

/

↵

☰

🖼️

🔗


🔄

Insert...

👤 Person

📄 Title

[person=3]The movie, which brings the filmmaker back into spotlight is a joint effort with Lasun Ray and Bank of Industry's Nollyfund. The romantic movie that will launch the acting abilities of Nigerian singer and songwriter Chidinma Ekile, also stars [Demola Adedoyin](#), Binta Ayo Mogaji, Zack Orji, Tina Mba, Adebayo Salami, Lere Faimo, Wole Olowomojuore, Lanre Hassan, Jimoh Aliu, and Mama Ray-Eyiwumi with [person=1967].



The lovely couple.

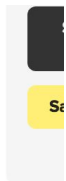
wish.

This is out on January 20, 2018.

Produced by Lasun Ray and directed by Kunle Afolayan, the Bol-powered film tells the story of Stella played by **Chidinma**, a young lady from a distinguished Igbo family who falls in love and secretly marries Obadare played by Demola Adedoyin, a Yoruba Prince against her parent's wish.

The movie, which brings the filmmaker back into spotlight is a joint effort with Lasun Ray and Bank of Industry's Nollyfund. The romantic movie that will launch the acting abilities of Nigerian singer and songwriter Chidinma Ekile, also stars Demola Adedoyin, Binta Ayo Mogaji, Zack Orji, Tina Mba, Adebayo Salami, [person=3], Wole Olowomojuore, Lanre Hassan, Jimoh Aliu, and Mama Ray-Eyiwumi.

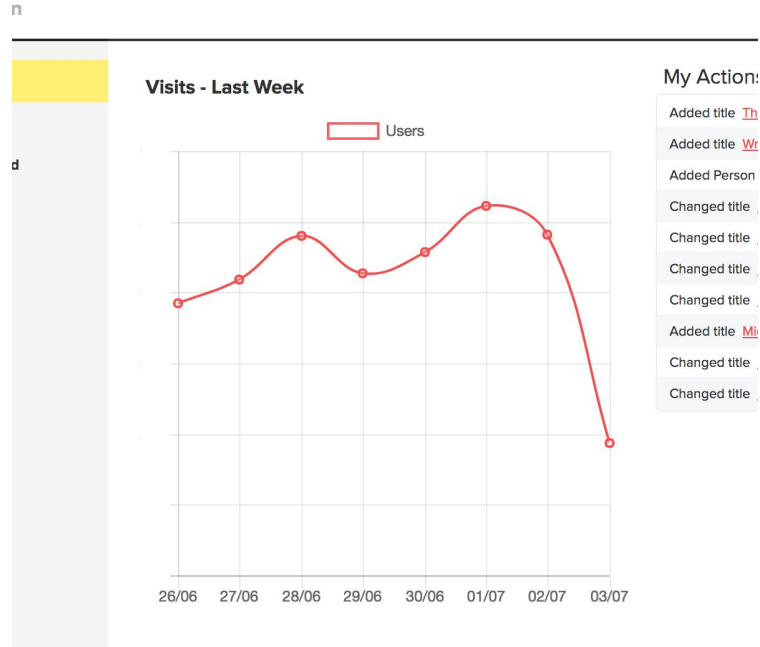
Produced by Lasun Ray and directed by Kunle Afolayan, the Bol-powered film tells the story of Stella played by **Chidinma**, a young lady from a distinguished Igbo family who falls in love and secretly marries Obadare played by Demola Adedoyin, a Yoruba Prince against her parent's wish.



Tools

-  Hi
-  V
-  A

# Managing Trends and Traffic with Google Analytics, Chart.js & HitCounts



Home >

## Trending

---

### Most Visited (Past 7 Days)

#### Titles

1. <a href="#">Merry Men: The Real Yoruba Demons</a> - 344
2. <a href="#">My Siblings &amp; I</a> - 119
3. <a href="#">The Vendor</a> - 95
4. <a href="#">The Other Wife</a> - 89
5. <a href="#">Akunne</a> - 86
6. <a href="#">Ayomi</a> - 74
7. <a href="#">Delilah: The Mysterious Case of Delilah Ambrose</a> - 70
8. <a href="#">Picture Perfect</a> - 68
9. <a href="#">Tatu</a> - 67
10. <a href="#">The Washerman</a> - 63

# API ALL THE THINGS!

- ★ Django Rest Framework
- ★ Convert models to API endpoints easily.
- ★ Takes care of authentication, permissions, responses, and formatting of data
- ★ All without changing your model or views.
- ★ Great for internal use with JS Frameworks like React.

# Performance

- ★ Django Debug Toolbar: Track page response time, inspect SQL queries.
- ★ In-built caching tools for templates, queries, data. Integrates with solutions like Memcache.
- ★ Static File Handling: ManifestStaticFileStorage
- ★ Cropped Image caching with Sorl-Thumbnail
- ★ Minification, GZip etc
- ★ Data Focused.

# Django-Debug-Toolbar

## SQL queries from 1 connection

default

94.78 ms (10 queries including 2 duplicates)

Query	Timeline	Time (ms)	Action
 <b>SELECT *** FROM "django_session" WHERE ("django_session"."session_key" = 'dxb4lybfp82qwe7htuzgrngakt50skfv' AND "django_session"."expire_date" &gt; '2018-09-14T11:56:49.542692+00:00'::timestampz)</b>		3.18	
 <b>SELECT "auth_user"."id", "auth_user"."password", "auth_user"."last_login", "auth_user"."is_superuser", "auth_user"."username", "auth_user"."first_name", "auth_user"."last_name", "auth_user"."email", "auth_user"."is_staff", "auth_user"."is_active", "auth_user"."date_joined" FROM "auth_user" WHERE "auth_user"."id" = 1</b> <b>Duplicated 2 times.</b>		1.43	<a href="#">Sel</a> <a href="#">Expl</a>
<b>Connection: default</b>			
 <b>SELECT "news_article"."id", "news_article"."headline", "news_article"."blurb", "news_article"."body", "news_article"."image", "news_article"."source", "news_article"."article_url", "news_article"."publisher", "news_article"."publisher_url", "news_article"."date_retrieved", "news_article"."created_by_id", "news_article"."status", "news_article"."date_created", "news_article"."date_modified", "news_article"."slug" FROM "news_article" WHERE "news_article"."id" = 2</b>		11.01	<a href="#">Sel</a> <a href="#">Expl</a>
<b>Connection: default</b>			
 <b>SELECT *** FROM "news_category" INNER JOIN "news_article_categories" ON ("news_category"."id" = "news_article_categories"."category_id") WHERE "news_article_categories"."article_id" = 2</b>		37.56	<a href="#">Sel</a> <a href="#">Expl</a>
 <b>SELECT *** FROM "people_person" INNER JOIN "news_article_people" ON ("people_person"."id" = "news_article_people"."person_id") WHERE "news_article_people"."article_id" = 2</b>		25.27	<a href="#">Sel</a> <a href="#">Expl</a>
 <b>SELECT *** FROM "title_title" INNER JOIN "news_article_titles" ON ("title_title"."id" = "news_article_titles"."title_id") WHERE "news_article_titles"."article_id" = 2</b>		6.06	<a href="#">Sel</a> <a href="#">Expl</a>

Hide »

Versions

DJANGO 1.11.13  
Django 1.11.13 (release)

Time

CPU: 541.21ms (768.57ms)

Settings

Headers

History

Request

View on site

CHANGE\_VIEW

ADD ARTICLES

SQL

10 QUERIES IN 94.78MS

Static files

60 FILES USED

Templates

ADMIN/CHANGE\_FORM\_HTML



# Performance

- ★ In-built query methods like **prefetch\_related**, **Q** & **select\_related**

```
crew = Crew.objects.filter(title_id=id) \
    .filter(Q(department__department_name='Directing') | \
    Q(department__department_name='Writing') | \
    Q(department__department_name='Producers')) \
    .prefetch_related(Prefetch('person', to_attr='crew')) \
    .select_related('department')
```

# SEO

## ★ Structured Data

```
<span itemprop="genre"><strong>{{ g.genre_name }}</strong></span>
```

## ★ Django Flatpages and Sitemaps

## ★ `ping\_google`: Alert Google that you've updated a model.

```
def save(self, *args, **kwargs):  
    try:  
        ping_google()  
    except Exception:  
        pass
```

# Summary

- ★ Django is a tried and tested tool for Content Management
- ★ Excellent internal tools like ORM, Auth, Admin
- ★ But can be as lightweight as you want.
- ★ More flexible than other common CMSs.
- ★ Easy to get started.