

# **djangoCrashed**

a django walkthrough

*by matt lebrun*

# Hello there!

- I'm **Matt Lebrun** (@cr8ivecodesmith)
- Software Engineer at Save22
- Trustee of Python.PH
- Been in love with **Python** since 2012
- **#peanutbutterlife**

**IF SOMEONE EVER TELLS YOU THAT  
YOU'RE PUTTING TOO MUCH PEANUT  
BUTTER ON YOUR BREAD,**



STARECAT.COM

**STOP TALKING TO THEM. YOU DON'T  
NEED THAT KIND OF NEGATIVITY IN  
YOUR LIFE.**



# Things we'll talk about

- What is Django?
- A simple Django app
- A note taking app in Django



What is Django?

# What is Django?

- Web framework
- For perfectionists with deadlines
- Comes with batteries included
- Security in mind
- Versatile



# Popular sites that uses Django

- Disqus (<http://disqus.com/>)
- Pinterest (<http://pinterest.com/>)
- Instagram (<http://instagram.com/>)
- BitBucket (<http://bitbucket.org/>)
- The Onion (<http://theonion.com/>)
- Mozilla Support (<http://support.mozilla.org/en-US/home>)

# Django Development Resources

- Django FAQ (<https://goo.gl/PZRPjq>)
- Official Tutorial (<https://goo.gl/W80oBp>)
- Official Documentation (<https://goo.gl/l9lDpn>)
- Django Girls Tutorial (<http://goo.gl/fC9LjM>)
- Test Driven Development with Python  
(<http://goo.gl/igx0vH>)
- Two Scoops Of Django (<https://goo.gl/Z0A5He>)



A simple Django app

# How to create a simple Django app

- Starting a Django project
- Configuring a Django project
- Create a home **app**
- Create a **view** for the home page
- Create a **template** for home page
- Create a **url route** to our home page



A note taking app in Django

# How to create a note taking app in Django

- Create the note **app** and **models**
- Create the note **listing** and **creation** page
- Add a note **search** header
- Create the note **update** page
- Create the note **delete** page





Create the note app and  
models

# Create the note app and models

- Create a **notes** app
- Create a **core** app
- Create a **base model** with standard audit fields
- Create **models** for our notes app
- Create and run **migrations** for our notes models
- Manage our notes models through the **Django admin**



Create the note listing and  
creation page

# Create views and url routes for listing the notes

- Creating a **view** for our notes home page
- Creating a **template** for our notes home page
- Create a **url route** to our notes home page
- Update the home page to link to the notes home page

# Create the add note form and post handler

- Add a **create note form** to the notes home page template
- Add a **post method** to the notes home page view





Add a note search header

# Create the search template and query handler

- Create a search navbar **template**
- **Include** the search navbar to the notes home page template
- Update the **context method** on the notes home page view to **filter** results based on the search query



Create the note update page

# Create the view, template and url route

- Create a note update **view**
- Create a note update view **template**
- Create a **url route** to the note update view
- Create a **post method** on the update view
- Update the notes home page to link to the update page



Create the note delete page

# Create the view, template and url route

- Create a note delete **view**
- Create a note delete view **template**
- Create a **url route** to the note delete view
- Create a **post method** on the delete view
- Update the notes update template to link to the delete page





# Exercise: Add new features!

- Get the code at **<https://github.com/cr8ivecodesmith/djcrashed>**
- Add page to manage notebooks
- Add page to manage labels
- Fine-grain search by label and notebook
- Add a label or notebook to your note
- Anything?

Q & A

# You guys are awesome!

Let's keep in touch :)

email: [matt@lebrun.org](mailto:matt@lebrun.org)

twitter: [@cr8ivecodesmith](https://twitter.com/cr8ivecodesmith)