Django 101

Rajtilak Indrajit
www.springboard.com

Zero

- Install [Git](Git)
- Install Python
- Install Virtualenv and Virtualenvwrapper
- Install Django

https://github.com/rtindru/intro-to-django/blob/one/installation.md

One

- Start a new Django project
  [django-admin](#) startproject
  django_101
- Explore the [project structure](#)
- [Migrate](#)
  python manage.py migrate

https://tutorial.djangogirls.org/en/django_admin/

https://docs.djangoproject.com/en/1.10/intro/tutorial01/#creating-a-project

https://docs.djangoproject.com/en/1.10/intro/tutorial01/#the-development-server

Two

- Hello Django!
python manage.py startapp hello_django
- App vs Project

https://tutorial.djangogirls.org/en/django_urls/
https://docs.djangoproject.com/en/1.10/intro/tutorial01/#write-your-first-view

https://tutorial.djangogirls.org/en/django_views/

Two continued...

- Add app to settings.py
- Configure urls
- Writing your first view
- Runserver

python manage.py runserver

https://tutorial.djangogirls.org/en/django_urls/

https://docs.djangoproject.com/en/1.10/intro/tutorial01/#write-your-first-view

https://tutorial.djangogirls.org/en/django_views/

Three

- Hello Person!

https://docs.djangoproject.com/en/1.10/topics/http/urls/#named-groups

Four

- Start using [templates](#) and [context](#) variables!

https://tutorial.djangogirls.org/en/django_templates/

https://tutorial.djangogirls.org/en/dynamic_data_in_templates/

https://docs.djangoproject.com/en/1.10/topics/templates/#syntax

Five

- Templateception!

https://tutorial.djangogirls.org/en/template_extending/

Six

- Move to a [Class Based View](#)

https://docs.djangoproject.com/en/1.10/ref/class-based-views/base/#django.views.generic.base.TemplateView

Seven

- Create a new app: Expensify
- Writing a model
- Migrations

https://tutorial.djangogirls.org/en/django_models/

https://docs.djangoproject.com/en/1.10/topics/db/models/

Eight

- Model CRUD ([Queryset](#))
- Create User
- Create Transaction
- Filter
- Update
- Delete

https://tutorial.djangogirls.org/en/django_orm/

Nine

- List all transactions!

https://tutorial.djangogirls.org/en/django_templates/

Ten

- Add transactions using Django Forms!

https://tutorial.djangogirls.org/en/django_forms/

Eleven

- <u>Django Admin</u>
- Create <u>superuser</u>

<u>https://tutorial.djangogirls.org/en/django_admin/</u>

Further Learning / Reading

Extending the Project

- Display error messages in the add transactions
- User registration & login forms

Further Reading:

https://www.springboard.com/learning-paths/web-development-python-django

https://tutorial.djangogirls.org/en/

https://www.twoscoopspress.com/products/two-scoops-of-django-1-8

https://github.com/rtindru/django-logging

Thank you!

Rajtilak Indrajit

———

rtindru@gmail.com

www.github.com/rtindru

www.facebook.com/rtindru