Django Fundamentals

Introduction to Django

Reindert-Jan Ekker nl.linkedin.com/in/rjekker/ @rjekker





django

- The Web framework for perfectionists (with deadlines)
 - makes it easier to build better Web apps more quickly and with less code
- Named after Django Reinhardt
- Why?



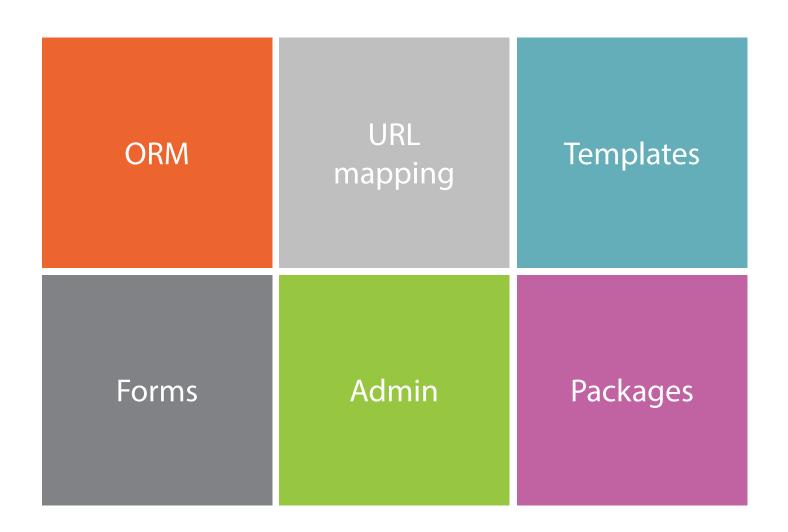




Powerful, fast, and fun!

Batteries included

Batteries Included



Django Principles

- Be more productive with less code
- Writing good, clear, clean code
 - Loose coupling
 - DRY
 - And more: http://goo.gl/PRrEMe
- Fun
- Very thoroughly documented
- Great, friendly community
- http://www.djangoproject.com/

What You Should Already Know



Basics of **Python**



Basics of Web development



Basics of **Databases**

In This Course

Django installation and setup

The development environment

The Django environment

- Starting a project, apps
- Scripts (django-admin.py and manage.py)
- Settings

Models

- Defining model classes and generating database model
- Retrieving and storing data
- Relations between tables (foreign keys etc.)

The admin interface

In This Course

Views

- URL mapping
- Handling HTTP
- Generic views
- Forms

Templates

- Syntax
- Tags and filters
- Passing data to a template
- Unit testing
- Putting your site in production
- Using third-party packages