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Django Bootcamp

Our 5-day Django training course will teach you the techniques you need to effectively leverage the power of Django to solve real-world problems. Django is the most popular framework for creating dynamic, database-driven websites using the Python language.

Django Bootcamp is designed for:

- ◆ Developers who will be using Django to develop web applications
- ◆ Engineers who are evaluating Django to determine whether it is an appropriate technology for their needs
- ◆ Web designers who need to develop new skills to utilize server-side technologies
- ◆ Programmers who are developing web services using Python and XML
- ◆ Developers who want to create applications for Google's AppEngine

Upon completion of Django Bootcamp, the student will:

- ◆ Install Django and all its components, including a database management system
- ◆ Deploy a Django application using mod_python and Apache, or FastCGI and Apache
- ◆ Write applications that use PostgreSQL, MySQL, or SQLite databases
- ◆ Write applications with robust user authentication and session data
- ◆ Use the Django newforms library for easy form processing and data validation
- ◆ Use Django's powerful template system effectively
- ◆ Take advantage of Django's admin system for easy site and data maintenance
- ◆ Understand how to implement AJAX solutions using Django
- ◆ Create web services using Django
- ◆ Understand the Django capabilities of the Google AppEngine

Upcoming Classes

Date	Instructor	Price	Status	Venue
Oct 6 - 10	Juan Pablo Claude	\$3500	Register Now	Atlanta, Georgia
Feb 2 - 6	Juan Pablo Claude	€2800	Register Now	Frankfurt, Germany

Our Classes

- ◆ [Advanced Mac OS X Bootcamp](#)
- ◆ [Advanced Ruby on Rails Bootcamp](#)
- ◆ [Android Bootcamp](#)
- ◆ [Asterisk Bootcamp](#)
- ◆ [Cocoa Bootcamp](#)
- ◆ [Django Bootcamp](#)
- ◆ [iPhone Bootcamp](#)
- ◆ [Objective-C & Cocoa Bootcamp](#)
- ◆ [Objective-C & Cocoa for Commuters](#)
- ◆ [OpenGL Bootcamp](#)
- ◆ [Perl Bootcamp](#)
- ◆ [PHP 5 & PostgreSQL Bootcamp](#)
- ◆ [Python Bootcamp](#)
- ◆ [Real-World WebObjects Bootcamp](#)
- ◆ [Ruby on Rails Bootcamp](#)
- ◆ [Ruby & Ruby on Rails Bootcamp](#)
- ◆ [Seaside Bootcamp](#)

Our Venues

- ◆ [Biltmore Hotel & Suites](#)
- ◆ [Historic Banning Mills](#)
- ◆ [Kloster Eberbach](#)
- ◆ [Learn At Your Place](#)

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Reviews

- ◆ [AJC Internet Technology Group's Django Onsite Blog](#)

Prerequisites

Students should know a programming language (but not necessarily Python) and have a basic understanding of object-oriented programming. They should also have a basic knowledge of HTML and CSS.

If you are nervous that you might not be prepared for class, read *"Head First HTML"* by Freeman and Freeman and *"Learning Python"* by Mark Lutz.

Syllabus

Section	Contents
What is Django?	An introduction to the Django framework, its origins, and its scope.
Installation	Install the latest version of Python, the Django framework, database connectivity modules, utilities, and database systems.
Python Tutorial	Learn enough Python programming to use Django effectively. The only pre-requisite is a basic understanding of object-oriented concepts.
Your First Application	Get started with your first Django application. Understand the basic architecture of a Django application, based on the Model-View-Controller pattern. Learn to use the Django project management utility and the project settings file.
Using a Database	Use the Django Object-Relational Mapping interface to connect to a database. Create database tables as data models and explore database API. Add data to your database and query it.
The Django Admin site	Configure and use the Django admin site to manage your applications and data. Learn how to customize the admin site to fit your needs.
Writing Views	Use Django's powerful template system to control the generation of web content dynamically. Understand how Django represents individual web pages as Python functions and link them to URLs.
URLs	Learn how to use regular expressions to set-up the URLs for your web application. Gain ultimate control over your application's URL structure. Decouple your application's URLs to make it a reusable module.
Forms	Use Django's newforms library to make HTML forms easy. Use automatic form generation for existing data models and create completely custom forms from scratch. Learn how to implement custom data validation in forms.
Generic Views	Django includes a series of frequently used view functions as a library. These Generic Views can save you a lot of coding in many common situations.
Users and Authentication	Use and extend Django's built-in User, authentication, and authorization system. Selectively restrict access to a web application using convenient decorators.
Sessions and Cookies	Use the Sessions framework to store user information in the server. Understand how Django manages cookies.
Special Output and File Uploads	Learn how to generate Email automatically in your application. Generate PDF and CSV files for user downloads. Manage file uploads to the server.
Django and AJAX	Making JavaScript on the client and Django on the server work together to create a superior user experience.
XML and Web Services	Create XML-RPC and REST web services with Django.
Security	The Django framework offers many security advantages if used properly. Learn about potential risks and take maximum advantage of Django's built-in security.
Deployment	Install the Apache web server and deploy a Django application using mod_python and FastCGI. Discuss strategies for deployment over multiple servers.
Google AppEngine	Create and deploy applications using Google's AppEngine. Understand how Django applications are supported by the Google AppEngine.

Onsite Training

We offer onsite training for Django Bootcamp: we provide an instructor and all class materials. You'll provide the classroom set up, computers for all students, a projector, and a screen. If you find that you'd

like to see some customization of the class syllabus to fit a specific project or priority, we can do that too. To get a quote, talk about the syllabus, or ask general questions about onsite training, call us at (404) 527-6211.

Price

A five-day class, a student guide, a comfortable room, three delicious meals a day, a stylish "Big Nerd Ranch" t-shirt, and transportation to and from the airport for \$3500. Plan to arrive on Sunday evening and depart on Friday afternoon.

For information or to enroll in a class in North America: **(404) 527-6211**
For information or to enroll in a class in Europe: **+49 (931) 9911-485**

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