

Training plan (2 days)

Web application development with Django

Learn how to develop a modern web application in Python with the Django framework.

by

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{Academy}

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Target audience

Python developers willing to develop and deploy a Python-based web application with good practices in mind.

Goals

- Learn the basics of the HTTP protocol
- Understand the principles of data modeling
- Use an ORM to connect with your database
- Master a template language for your web pages
- Expose your data (HTTP API)

Prerequisites

You should be comfortable with Git & Python (Python 3.4+) and familiar with HTML and CSS. We recommend you to follow the [Best practices in Python software development](#) session first (read the material to validate this requirement).

Training plan

DAY 1

- Introduction
 - what is the web/HTTP?
 - what is a web framework?
 - a quick overview of the Django framework
- Install party
 - create a Python virtual environment
 - bootstrap a Django project
 - versioning
 - Django management commands
- Django step-by-step
 - Django ORM
 - Making queries
 - Django administration view
 - create views
 - handling URLs
 - Django templates
 - add styles to your pages

DAY 2

- Test your Django application
 - the [py.test](#) framework
 - unit testing
 - functional testing
 - test runner
 - test coverage
- Continuous integration (CI) & deployment (CD)
 - configure your SSH environment
 - configure CI and CD for your project with GitLab-CI
 - deploy your application to Heroku
- Expose your data
 - create an API endpoint for your data
 - test your API

Pricing for information purposes only (per attendee*)

900 € HT

* = as part of an inter-company training (scheduled by TailorDev Academy). From 3 employees of a same company/entity, it is more interesting to organize an intra-company training. Please get in touch with us!