Training: Python Academy
Camelot

TRAINING GOALS:

Camelot is a framework for developing desktop database applications at warp speed. It is to desktop applications what **Django** is to web applications. Some see it as a replacement for MS Access, but its tight integration with SQLAlchemy enables a vast amount of more advanced features and possibilities.

This tutorial style course will enable you to get started with your own Camelot project. We will tackle the hurdles met when going through the lifecycle of a desktop application

CONSPECT:

- First example
  - Look at the concepts and terminology.
  - Overview of different parts of application.
  - Start of little Camelot project.
- Declarative models and views
  - Defining a relational model.
  - Generating table and form views.
- Actions and reports
  - Details of user-triggered actions.
  - Discuss and experiment with the standard Camelot actions.
  - Generation of nicely formatted Word document with actions.
- Advanced model definition
  - Introducing SQLAlchemy features and look on their interactions with graphical interface.
- Fine tuning of the GUI
  - Qt's model-view-delegate framework and its use with Camelot.
  - Fully customizing the graphical interface to our needs.
- Deployment and users
  - Deployment options and list of things to be aware of when submitting and application to its users.
- Q & A
  - Camelot problem resolving in group.

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REQUIREMENTS:

- Basic knowledge of **Python** and **object oriented programming** is required.
- If you don't know Python it is strongly recommended to take **Python for Programmers** before this course.
- The SQLAlchemy course is not mandatory, but is strongly recommended.
- QT or PyQt knowledge is not needed.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Python Academy.

TRAINER:

Authorized Python Academy Trainer.

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