Django for Python Developers, Part 3 of 8: ORM and Forms

Meet the expert: Bharath Thippireddy is an entrepreneur, software architect, public speaker, and trainer.
Bharath is a Sun Certified Developer, Web Component Developer, Business Component Developer, and a Web Services Developer. While working for companies like Oracle, HP, TCS, Siemens, and NCR; Bharath has architected applications using Java, JEE, JavaScript, and SOA technologies.
He loves learning new things both in technology and personal development and shares them on YouTube and his web site - Sharing is learning!. He has mentored students in classroom trainings, as well as in the corporate world, both in India as well as in USA. He has spoken on technical topics at several agile conferences. While in India he also voluntarily teaches interview and soft skills at Vivekananda Kendra.

Prerequisites: Knowledge of Python

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Course description: Django is the most widely used Web Application Development framework in the industry today. Django makes it super easy to create production ready web applications. This courses introduces Forms, and ORM Fundamentals.

Course outline:

Django ORM Fundamentals
- Introduction
- The Fundamentals
- Filtering Data
- Using Logical Operators
- Selective Columns
- Aggregate Functions
- Create
- Bulk Create
- Delete
- Update
- Order By
- Summary

Forms
- Introduction
- Introduction
- Hands On Steps
- Create the Project
- Create the Form
- CSRF Token
- Use the form in the View
- Create the template
- Configure the CSRF Token and URLs
- Summary

Forms In Action
- Introduction
- Forms in action
- Processing the form data
- Different Types of form fields
- Default Django Validations
- Summary

Custom Clean Methods
- Introduction
- Writing Custom Clean Methods
- Single clean method
- In Built Validators
- Summary