**Django Project E-commerce v2 Part 2 - Inventory database development towards a test first approach**

13.450 Aufrufe • 27.10.2021 • Welcome to the Django E-commerce project version 2. In this Django tutorial we focus developing an inventory app. The purpose of the inventory app database is to maintain the data that is needed to support online retail sales and stock inventory management. In this tutorial we focus on deploying the database design developed in the first tutorial.

Code Repository: === [https://github.com/veryacademy/django...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqazk0WllfQTJzUVlvallZTVpTeVA0bUdFMnBoZ3xBQ3Jtc0trT182cWpmWWxWN2xRVFdJVnYyOVA5OWRocUE0LWg5blFCVWZvWXZlQW1QcS1kUmJFY0FOdFFDaDRqanpTem5uMnRORDFPUFpCaGJEejBtamNMaTV5TWE3Q0VQQ24wcGFCM2g5TGhlZHR3LUx1d24yTQ&q=https%3A%2F%2Fgithub.com%2Fveryacademy%2Fdjango-ecommerce-project-v2) The Book Referenced (there is not affiliated link, it is just a link to the book!):

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Database Design for Mere Mortals: 25th Anniversary Edition Paperback – 28 Oct. 2020 [https://www.amazon.co.uk/Database-Des...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa3FwWmxHQWZCOUFLMVlONzdOdW1aLWpqc2l6QXxBQ3Jtc0ttVmszeDc0MWVEbmc0dEFMVC1NUVJMS1dtVnBJN3lkYS1CMnhtMDFHY09XWHRhc2RMSTFWengwUUdSR2JDRVVPLXpRZW9UUW1hRGxtdHNXa0NRN25DeWVSR1Y0TWx3b29jal85U1VIRVRLMEViSmliYw&q=https%3A%2F%2Fwww.amazon.co.uk%2FDatabase-Design-Mere-Mortals-Anniversary%2Fdp%2F0136788041)

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Database ERD ==== [https://lucid.app/lucidchart/invitati...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbkRiMk5WNzN4NHYzdW9FdjJfSXpHb2xzUzJYd3xBQ3Jtc0trZE50M2tpYkEtODJua0ZHNDlfbGJtb245X3NLeVFwUTZaa25PY2hYeHEzbWhPVnJIdndLdVNOQVZ2dFlCdDdJSjZBOFNVVU5zVkNqUkhvbEx5ZEx5dDdENWlodnZMdUFJZm9Fd3NQUDdxcWlma2lzYw&q=https%3A%2F%2Flucid.app%2Flucidchart%2Finvitations%2Faccept%2Finv_10095ab4-1f6f-4247-a2d5-285a7c7b82de)

Timeline:

📋 Introductions ==== [00:00](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=0s) Introduction [00:06](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=6s) Recap part 1 [00:45](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=45s) Part-2 tutorial objectives [02:53](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=173s) Installing Python & Visual Studio Code

📋 Phase-1 [03:55](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=235s) Start new project in VSC [04:26](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=266s) Accessing the terminal in VSC [05:19](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=319s) Start a new Virtual Environment and Django application [10:07](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=607s) Starting to set-up the testing environment (installations) [13:20](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=800s) First look at Selenium [15:45](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=945s) Introducing test drive development practices [22:15](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=1335s) Using Pytest [27:38](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=1658s) Selenium building our first test - integrating with Pytest [01:00:34](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=3634s) Building our first fixture [01:04:38](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=3878s) Loading a data fixture with Pytest

📋 Phase-2 [01:23:56](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=5036s) Starting to build the inventory tables [01:30:08](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=5408s) Category table tests [01:41:22](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=6082s) Category factory [01:53:48](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=6828s) Category model development [02:10:15](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=7815s) Building data fixtures for the category table [02:25:26](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=8726s) Loading data fixtures - creating a custom command

📋 Phase-3 [02:36:35](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=9395s) Developing the product table tests [02:41:23](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=9683s) Creating tests for the product table [03:04:41](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=11081s) Developing the product model [03:09:29](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=11369s) Developing product table data fixtures [03:20:25](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=12025s) Developing the product factory

📋 Phase-4 [03:31:07](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=12667s) Developing the product inventory tests [03:39:49](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=13189s) Developing the product inventory model + Brand and Type [03:46:39](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=13599s) Developing product inventory table data fixtures [03:50:12](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=13812s) Developing the product inventory factory [03:53:34](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=14014s) Developing product inventory table data fixtures [04:00:10](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=14410s) Brand and Type tests

📋 Phase-5 [04:04:39](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=14679s) Building the media table tests [04:11:21](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15081s) Building the media model [04:13:03](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15183s) Building the media table fixtures [04:14:25](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15265s) Building the media table factories

📋 Phase-6 [04:18:07](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15487s) Building the stock table tests [04:22:16](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15736s) Building the stock table model [04:23:30](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15810s) Building the stock table fixture [04:25:00](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15900s) Building the stock factory

📋 Phase-7 [04:27:46](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=16066s) Building the Product Attribute table, model [04:23:26](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=15806s) Building the Product Attribute factory

📋 Phase-8 [04:35:11](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=16511s) Building the Product Attribute Value table, model [04:40:06](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=16806s) Building the Product Attribute Value factory

📋 Phase-9 [04:46:56](https://www.youtube.com/watch?v=s3HuIRD5sUY&list=PLOLrQ9Pn6cay_cQkyg-WYYiJ_EKU8KWKh&index=2&t=17216s) Building the Product Attribute Values link table manually Documentation === [https://django-ecommerce-project-v2.r...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqblUzd1hZX09zT3cyWGQ0VUtQYjFyckVzN1psZ3xBQ3Jtc0tsNF9fLWlDWGhrQTVPWXk5M3RqRWFvcW0tRDFOOU9jXzNoUjNPYzQ3UnYzSUtsMGJHdGhnTGI1OFZpeEF2TFFZWWRyNGt0VW5nR1pYUlpFbGtjZ0hQd01UMkg2OVZqRmU0dThDZ2V6aHJSbGtEMWQ1QQ&q=https%3A%2F%2Fdjango-ecommerce-project-v2.readthedocs.io%2Fen%2Flatest%2Findex.html)