Django Project (1)

- **1. Building a Blog Application**
  - *Installing Django*
  - *Creating your first project*
  - *Designing the blog data schema*
  - *Creating an administration site for models*
  - *Working with QuerySets and managers*
  - *Building list and detail views*
  - *Creating templates for your views*
  - *Adding pagination*
  - *Using class-based views*
  - *Summary*

- **2. Enhancing Your Blog with Advanced Features**
  - *Sharing posts by email*
  - *Creating a comment system*
  - *Adding the tagging functionality*
  - *Retrieving posts by similarity*
  - *Summary*

- **3. Extending Your Blog Application**
  - *Creating custom template tags and filters*
  - *Adding a sitemap to your site*
  - *Creating feeds for your blog posts*
  - *Adding full-text search to your blog*
  - *Summary*

- **4. Building a Social Website**
  - *Creating a social website project*
  - *Using the Django authentication framework*
  - *User registration and user profiles*
  - *Building a custom authentication backend*
  - *Adding social authentication to your site*
  - *Summary*

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- 5. Sharing Content on Your Website
  - *Creating an image bookmarking website*
  - *Posting content from other websites*
  - *Creating a detail view for images*
  - *Creating image thumbnails using easy-thumbnails*
  - *Adding AJAX actions with jQuery*
  - *Creating custom decorators for your views*
  - *Adding AJAX pagination to your list views*
  - *Summary*

- 6. Tracking User Actions
  - *Building a follow system*
  - *Building a generic activity stream application*
  - *Using signals for denormalizing counts*
  - *Using Redis for storing item views*
  - *Summary*

- 7. Building an Online Shop
  - *Creating an online shop project*
  - *Building a shopping cart*
  - *Registering customer orders*
  - *Launching asynchronous tasks with Celery*
  - *Summary*

- 8. Managing Payments and Orders
  - *Integrating a payment gateway*
  - *Exporting orders to CSV files*
  - *Extending the administration site with custom views*
  - *Generating PDF invoices dynamically*
  - *Summary*

- 9. Extending Your Shop
  - *Creating a coupon system*
  - *Adding internationalization and localization*
  - *Building a recommendation engine*
  - *Summary*

- 10. Building an E-Learning Platform

- *Setting up the e-learning project*
- *Building the course models*
- *Creating models for diverse content*
- *Creating a CMS*
- *Managing course modules and their contents*
- *Summary*

- ## 11. Rendering and Caching Content
  - *Displaying courses*
  - *Adding student registration*
  - *Accessing the course contents*
  - *Using the cache framework*
  - *Summary*

- ## 12. Building an API
  - *Building a RESTful API*
  - *Summary*

- ## 13. Building a Chat Server
  - *Creating a chat application*
  - *Real-time Django with Channels*
  - *Installing Channels*
  - *Writing a consumer*
  - *Routing*
  - *Implementing the WebSocket client*
  - *Enabling a channel layer*
  - *Modifying the consumer to be fully asynchronous*
  - *Integrating the chat application with existing views*
  - *Summary*

- ## 14. Going Live
  - *Creating a production environment*
  - *Implementing custom management commands*
  - *Summary*