Wrap-Up

Topics covered overview

We covered a lot of topics in the past four courses. Here's a brief summary of the journey.

Course 1

- Django Admin setup.
- Generic relationships, and the `ContentType` framework, for relating different models together generically.
- The Bootstrap framework, for quickly building good-looking websites.
- Custom template tags and filters, and how to use them safely.
- Crispy Forms, to make it easier to work with Django Forms and render them with Bootstrap classes.
- 12-factor apps for reusable deployment, how to use Django Configurations and logging to achieve this.
- Django's security features.
- An overview of deployment.
- Performance and caching, how to vary the response on different headers.
- Finding and optimizing slow database queries using Django Debug Toolbar and SQL `EXPLAIN`.
- Authenticating with email.
- Verifying email address with Django Registrations.
- Social auth with Django Allauth.

Course 2

- Introduction to REST APIs and HTTP verbs.
- How to set up Postman.
- Django REST Framework introduction with serializers and views.
- Different DRF authentication methods.
- Custom DRF permissions.
- How to render related fields differently using DRF.
- Customizing the browsable UI, and how to set up Swagger.
- Cutting down on code with Viewsets and Routers.

Course 3

- How to test Django and DRF, with mock request and the `requests` module.
- Adding caching, throttling and filtering to DRF.
- Third-party DRF libraries, SimpleJWT, Django Filters and Versatile Image Field.
- An introduction to JavaScript.
- Integrating React and JSX into your project.
- Fetching resources in JavaScript, using `fetch()`

Course 4

- An overview of how to integrate external APIs into Django models.
- Making requests with `requests`.
- Integrating using a 3rd-party library instead of raw requests.
- How to queue/run tasks asynchronously using Celery.
- Fetching the results of tasks later.
- Scheduling tasks with Celery beat.

By learning all of these you have taken the next step up as a Django developer.

Thank you

The whole team here would like to thank you for taking the time to complete the courses. We hope you have enjoyed it and learned something. We wish you all the best with your future Django adventures!