

Documentation Restructuring Jun 2023

Tutorials Outline

- What is backend development?
 - We explain what type of applications developer can write and why it's needed
 - We tell a story why users should start and stick with Ktor
- Building a Web Application - a series on creating interactive web application where the user interact with application using a browser
 - Creating an application https://ktor.io/docs/intellij-idea.html#run_app
 - Shows how to create an application with the generator
 - We explain how to build and run application
 - We explain how to run tests
 - Explain Routing and Requests
 - Taking a first task from application (adding route for something)
 - Explain what is GET and query parameters (with Ktor code)
 - Explain what is POST and how to receive body
 - Testing the GET route in browser
 - Testing the GET and POST route with unit tests and HttpClient
 - Postman can be mentioned
 - Serving static content
 - Serve SPA application with as static content to display API
 - Introduce ContentNegotiation to build CRUD
 - Explain the problem conversion json (data) <-> data class
 - Create API for Model
 - Write unit tests for the API
 - Database with Exposed
 - Explain idea of saving and loading data from DB
 - Show how to integrate the Exposed with Ktor
 - Testing app with database
 - Security with OAuth
 - Configure OAuth for security
 - Cloud Deployment and Configuration
 - Explain that we're running on some port and it can be changed in the configuration file
 - Explain how to build application and how it can be deployed
 - Focus on deploying app as Docker image