What is the course?

* An intro to modern web application development with JavaScript, through building single page applications with ReactJS, using REST APIs built with Node.JS (and GraphQL, modern alternative to REST APIs).
* The course also covers testing, configuration and environment management, using MongoDB for storing application data
* Content is the same as the Full stack course at the Department of Computer Science at the University of Helsinki
* Pre-requisites:
  + Good programming skills
  + Basic knowledge of web programming & databases
  + Basic Git version-control system
  + Perseverance and ability for independent problem solving / information seeking

Content:

1. Fundamentals of Web Apps
2. Introduction to React
3. Communicating with server
4. Programming a server with NodeJS and Express
5. Testing Express server, user administration
6. Testing React apps
7. State management with Redux
8. React router, custom hooks, styling apps with CSS and webpack
9. GraphQL
10. Typescript
11. React Native
12. CI/CD
13. Containers
14. Using relational databases

# Fundamentals of web apps