React.js

Hamburg Coding School, 09.11. - 25.11.2020

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Schedule

Mon, 09. November   18:00 - 21:00

Wed, 11. November   18:00 - 21:00

Fri, 13. November   18:00 - 21:00

Mon, 16. November   18:00 - 21:00

Wed, 18. November   18:00 - 21:00

Fri, 20. November   18:00 - 21:00

Mon, 23. November   18:00 - 21:00

Wed, 25. November   18:00 - 21:00

New Row: https://smart.newrow.com/room/?orl-025

Agenda

For orientation.
Topics can be changed according to the pace of the class.

- Introduction to React
  - Modern JavaScript, ES6 and beyond
  - The React framework
- React projects
  - npm and dependency management
  - `Create-react-app`
  - Components
  - JSX
- React foundations
  - State
  - Props
  - Hooks
  - Lifecycle of Components
  - Async React
- Single Page Applications (SPAs)
  - Front-end vs. back-end
  - Routing
  - Network communication (with Axios)
- Practical Project
  - Porting a project to React
  - Structure: Reusable Components and CSS
  - DOM interactions
  - Integration of 3rd-party libraries
  - Deployment
- Architecture
  - Flux pattern
  - Redux (store, reducers and selectors)
- Styling
  - CSS in JS and alternatives
  - `styled-components`
- Progressive Web Apps