React II: Advanced techniques

Course code: JS_REACT2

This course is designed for advanced JavaScript programmers who want to expand their knowledge of front-end application development in React. The course will give you an overview of hook functions, memoization, reducers and server-side components. The course assumes knowledge of JavaScript at the [JS_PROG2] course level and knowledge of the React library at the [JS_REACT1] course level.

For whom the course is intended

What we will teach you
- Work with built-in React hooks
- Create custom hooks
- Memoization
- Work with server components

Required Entry Level Skills
- Course-level knowledge of JavaScript [JS_PROG2].
- Course-level knowledge of the React library [JS_REACT1]

Course outline

Use of references
- ElementRef
- useId
- useRef

Memoization
- useMemo
- useCallback
- React compiler

Reducery
- what is a reducer?
- useReducer

Suspence and defer
- Suspense component
- useDefferedValue

Server components