ReactStevan Vlajic1.0.0, 2023-01-26: DOCS React//:toc-placement!: // prevents the generation of the doc at this position, so it can be printed afterwards:sourcedir: ../src/main/java:icons: font:sectnums: // Nummerierung der Überschriften / section numbering:toc: left:experimental:==

React=== What is ReactReact is a Quad-Application: That means you can* create* delete* read* updateElements.=== Run the react-app*   `npm start`== Installation* You need to install Node JS to use React: `sudo apt install nodejs`* Update Node JS   `sudo n lts`* Open up new SHELL* Check Version   `node -`

v== **Create first React-Project / Orientation*** `npx create-react-app app-name --use-npm -y`== **React Folder-Structure***

public/index.html Everything that is build in the src folder will be rendered in the index.html file under `<div id='root'></div>`*

App.js App.js is component and it has a function App() in it with a return()-function. The Return function will return the JSX-Code and this code will be in rendered in the App.js file.=== **Naming-Convention* React uses other styling names** class = className="...."=== **SVG* svg can be imported using REACT with**

```
import 'svg-name' from 'svg-path'
<img src={svg-name} className="..."
```

`/>`=== CSS* CSS need to be imported. This can be done with: `import 'css-path'` === Export-Modules* At the end of our component-file, we will need to export the component: `export default component-name`=== Use ComponentsYou will need to import your written Components into the index.js file[source,js]---import App from './App';----[source ,javascript]---const root = ReactDOM.createRoot(document.get ElementById('root'));root.render(<React.StrictMode><App /></React.StrictMode>);----* The `</App>`-Tag is the component== JSX== Hooks== Component-

Communication