Introduction to React – 4 day project based course

V1.2 – Jan 2024

# General delivery plan

This section explains generally how the course can be delivered over four days.

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| **DAY 1** | |
| 09:30 | Introduction |
| Installing and running react |
| 11:00 | *Break* |
| 11:15 | React Components |
| Embedding dynamic content |
| 12:30 | *Lunch* |
| 13:30 | Props in react |
| 15:00 | *Break* |
| 15:15 | Conditional Rendering |
| 16:30 | *Finish* |
| **DAY 2** | |
| 09:30 | Conditional rendering (External Data) |
| 11:00 | *Break* |
| 11:15 | Routing |
| 12:30 | *Lunch* |
| 13:30 | Project – Challenge 1 (Learners manage time) |
| 16:30 | *Finish* |
| **DAY 3** | |
| 09:30 | Handling events, state / inverse data flow |
| 11:00 | *Break* |
| 11:15 | Project work – Challenge 1, 2 (Learners manage time) |
| 12:30 | *Lunch* |
| 13:30 | useEffect, using external data / collecting external data |
| 15:00 | *Break* |
| 15:15 | Editing Json |
| 16:30 | *Finish* |
| **DAY 4** | |
| 09:30 | React - Context |
| 11:00 | *Break* |
| 11:15 | Project work – All challenges (Learners manage time) |
| 12:30 | *Lunch* |
| 13:30 | Project work – All challenges (Learners manage time) |
| 15:00 | Project work – All challenges – Blogs (Learners manage time) |
| 16:30 | *Finish* |

# Notes on delivering this course

This course is designed to be as practical as possible. It is set up to prepare delegates to explore the language and be confident in finding new techniques to complete a task. Another day could easily be given aside in this course for the projects at the end if desired.

The content in this course is mapped to Vite rather than to create-react-app and is run with *npm run dev* rather than *npm start.*

It is essential that at each stage, the delegates are presented with techniques and code that they have not used before, but their skills should allow them to deconstruct what and how the SPAs are working and should be able to duplicate the techniques in their own work.

GitHub repo available [here](https://github.com/AndySmithQA/QAREACTTS)