Introduction to React Lloyds Dundee v2

V1.3 – September 2024

# General delivery plan

This section explains generally how the course can be delivered over 5 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 | Introduction to Rolling Estate agent challenge |
| 12:30 | *Lunch* |
| 13:30 | Rolling Estate agent challenge |
| 15:00 | *Break* |
| 15:15 | Rolling Estate agent challenge |
| 16:30 | *Finish* |
| **DAY 5** | |
| 09:30 | Rolling Estate agent challenge |
| 11:00 | *Break* |
| 11:15 | Rolling Estate agent challenge |
| 12:30 | *Lunch* |
| 13:30 | Rolling Estate agent challenge |
| 15:00 | *Break* |
| 15:15 | Support nets |

# 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/ReactVite-updates-24)

Guidance on challenges

The course is designed to not only stretch the delegates with the creation of React applications, but also by challenging how they work together as a team. The challenges (shop site, blog site and the QA Estate agent site) are designed to challenge the approach as a team to writing and updating software.

The base course has been changed from 4 days to 5, with the time added on at the end of the introduction week for some project based challenges. As much responsibility as possible needs to be put on the team for decisions on applications and appearance of the applications.