Learning hour

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| Hour Title | Pure Components in React and how to use functions | | Position | | 1 of 6 |
| Pre / prior learning | Delegates will have some experience with coding languages and should understand the need for pure functions | | Created by | | Andy Smith |
| Timings | phase | Activity | | Link to Resource | |
| 0 – 5  10 – 25  25 – 50  50 - 60 | Connect  Concepts  Concrete  Conclusion | Open the Miro board and ask delegates to identify what might cause a re-render in react. Discuss why this is a potential drain on performance. Discuss Class components and the cycle that causes this performance denigration  Demo the performance difference in react, available in GitHub. Discuss how to avoid pitfalls while typing the code  Delegates will download source code and will analyse where re-rendering is causing performance issues. They will then update the code to avoid the performance bottlenecks. Consider questioning and explanation while delegates are completing this.  How does the removal of classes and the use of functional React components improve performance inherently? (PPPB) Even with functional components, there are some bad practices which will reduce the performance of your app | | [Miro](https://miro.com/app/board/uXjVKXf-lcw=/)  [Repo](https://github.com/AndySmithQA/PerformanceDemo)  [Repo](https://github.com/AndySmithQA/PerformanceDemo) | |

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| Associated Ensemble Hour | |
| Scenario / Kata | Create a helpdesk which allows users to submit a support ticket. The engineers should be able to see each ticket and click to read the details of the issue. A lead engineer should be able to edit the ticket and assign it to a specific engineer |
| Feedback / Adjustments for next delivery | |
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