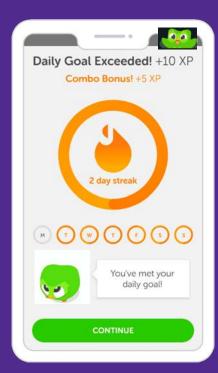
React and the Art of Gamification

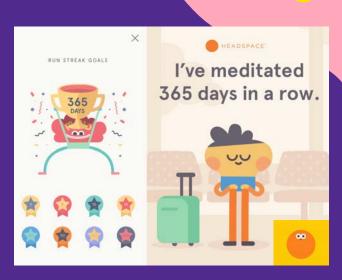
Courtney Yatteau



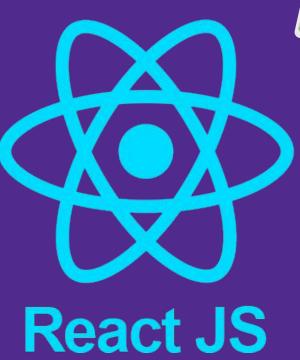
Why Gamification?













Courtney Yatteau Developer Advocate, Esri





What We'll Cover



— Gamification Techniques

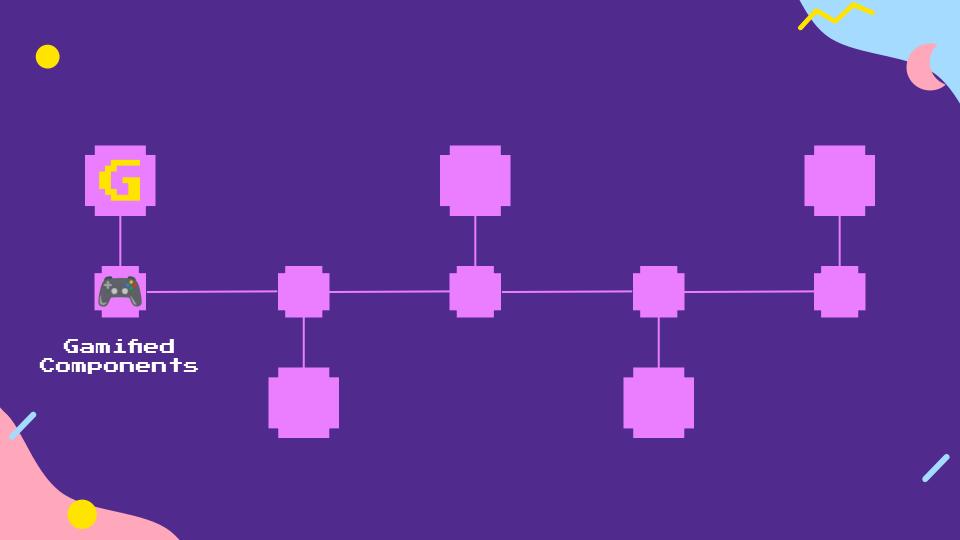


- Real-World Examples



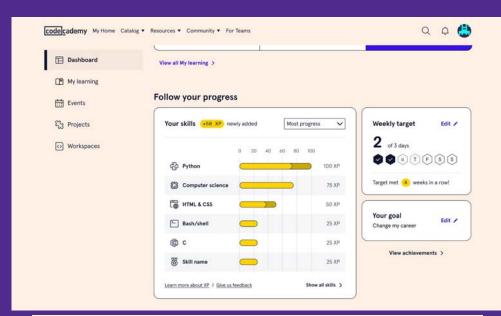
Coding Demo

github.com/cyatteau/gamified-demo-conf42js-2024

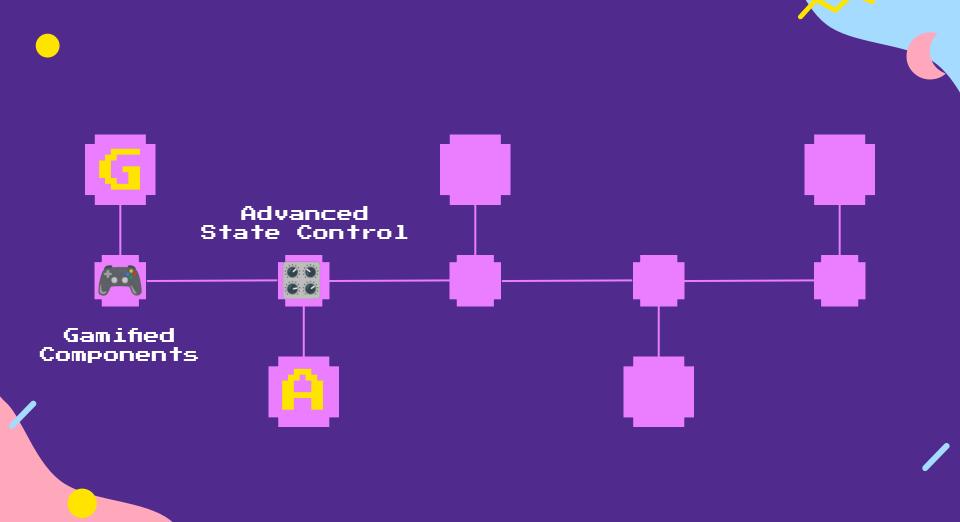


Gamified Components

XP, badges, progress bars, targets



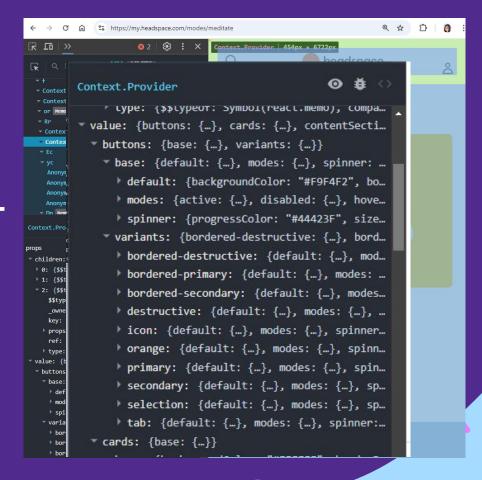


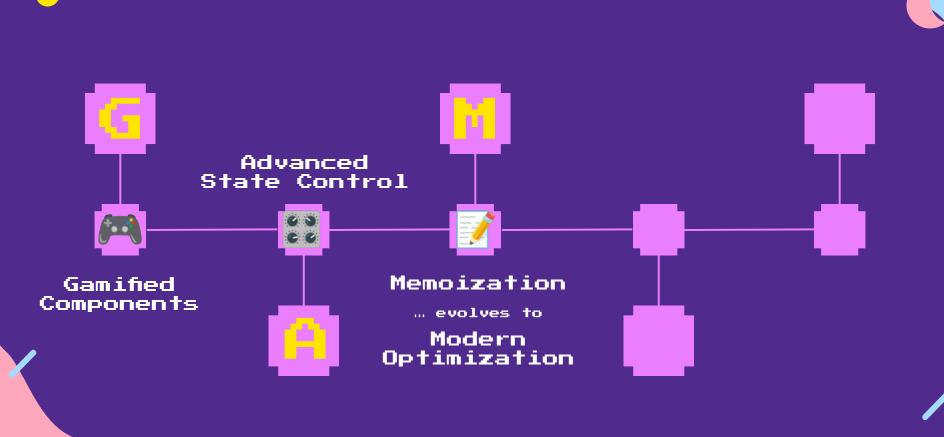


Advanced State Control

Context API: UI Theming

- Consistent, dynamic, efficient





React Compiler

This page will give you an introduction to React Compiler and how to try it out successfully.

F Under Construction

These docs are still a work in progress. More documentation is available in the React Compiler Working Group repo, and will be upstreamed into these docs when they are more stable.

You will learn

- · Getting started with the compiler
- · Installing the compiler and eslint plugin
- Troubleshooting

■ Note

React Compiler is a new compiler currently in Beta, that we've open sourced to get early feedback from the community. While it has been used in production at companies like Meta, rolling out the compiler to production for your app will depend on the health of your codebase and how well you've followed the Rules of React.

The latest Beta release can be found with the Abeta Itaq, and daily experimental releases with

Example





PlayerList Memo 삻 🛕









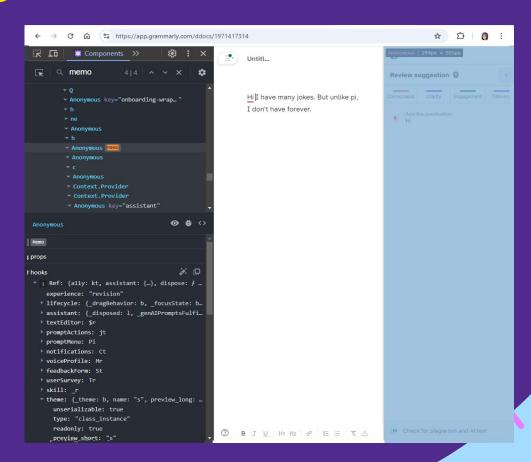


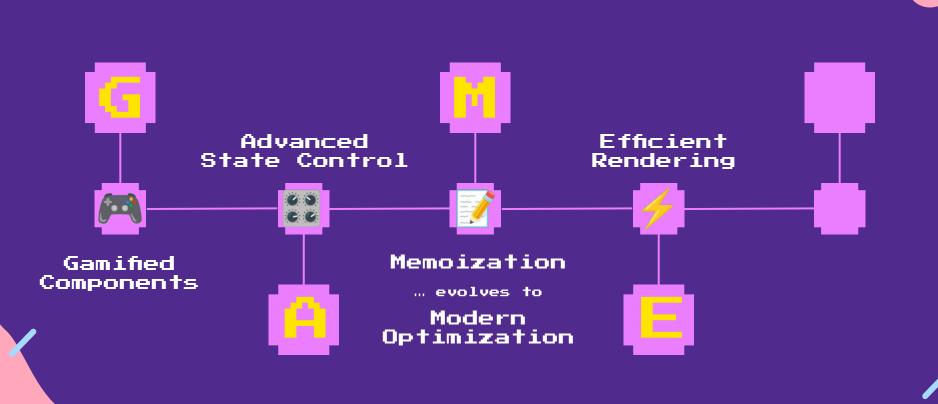
props



Memoization

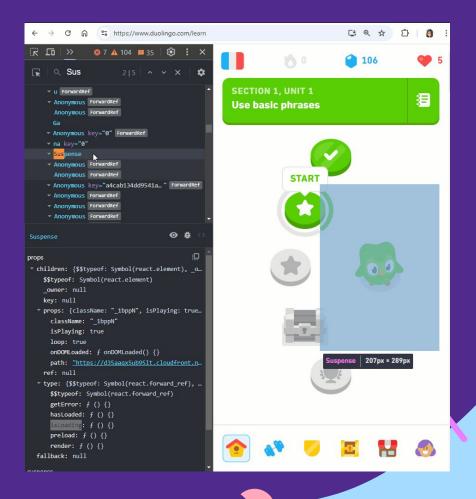
Efficient, selective re-rendering

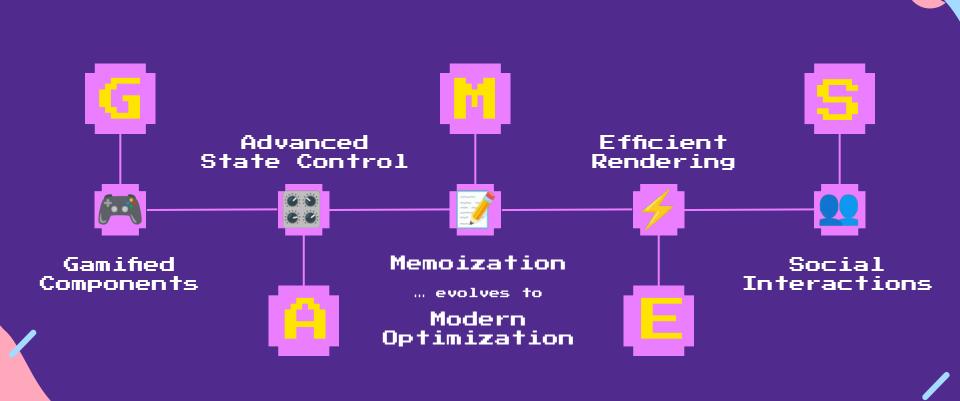




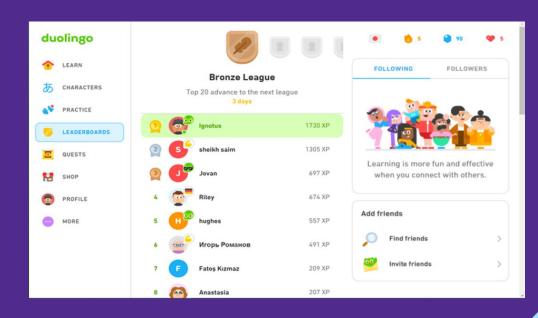
Efficient Rende<u>ring</u>

Smooth animations via Suspense





Social Interactions

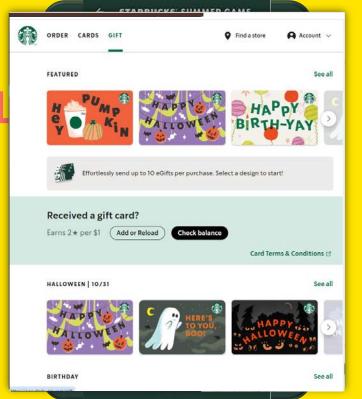


GA





Mentalistan Serenceasis









Coding Demo

Let's build a gamified app together!

Starter code: github.com/cyatteau/gamified-demo-conf42js-2024

RESOURCES

- React Documentation
- Esri Leaflet Documentation
- React Compiler <u>Documentation</u>
- Map Code Demo
 - Starter Code
 - Final <u>Code</u>

Thank you, Conf42 JavaScript 2024!

Courtney Yatteau

- 🔼 📉 @c_yatteau
- 📊 courtneyyatteau



bit.ly/conf42js2024-react-gamification

THANKS!



Do you have any questions?

youremail@freepik.com +91 620 421 838 yourcompany.com

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