

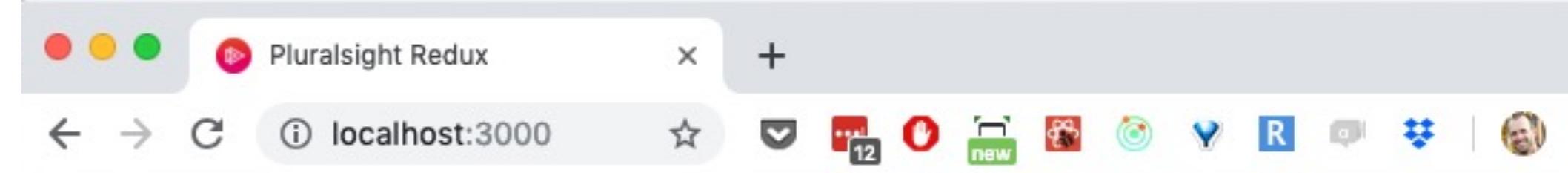
Production Builds



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Pluralsight Administration

React, Redux and React Router for ultra-responsive web apps.

[Learn more](#)

1.8 MB?!



Screenshot of the Chrome DevTools Network tab showing network requests for the Pluralsight Administration application.

The Network tab is selected, and the table below lists the requests:

| Name | Status | Type | Initiator | Size | Time | Waterfall |
|----------------------|--------|-------------|----------------|---------|--------|-----------|
| websocket | 101 | websocket | sockjs.js:1683 | 0 B | Pe... | |
| localhost | 200 | document | Other | 535 B | 2.7... | |
| bundle.js | 200 | script | (index) | 1.8 MB | 21... | |
| info?t=1551307717292 | 200 | xhr | VM130:1 | 368 B | 2 ms | |
| favicon.ico | 200 | vnd.micr... | Other | 15.0 KB | 2 ms | |

Total transferred: 1.9 MB | Finish: 3.19 s | DOMContentLoaded: 3.15 s | Load: 3.18 s

The plan



Setup production build process



/src

lots of files...

◀ Source code

/build

index.html

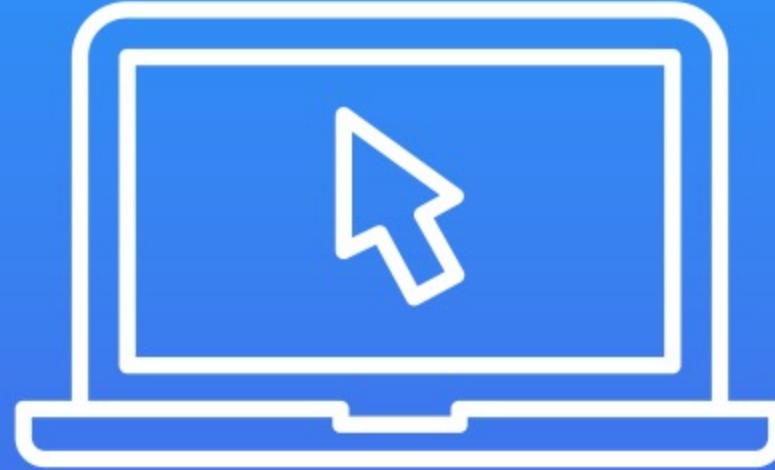
bundle.js

styles.css

◀ Production build



Demo



Production build process

- Lint and runs tests
- Bundle and minify JS and CSS
- Generate JS and CSS sourcemaps
- Exclude dev-specific concerns
- Build React in production mode
- Generate bundle report
- Run the build on a local webserver



Are ya impressed?

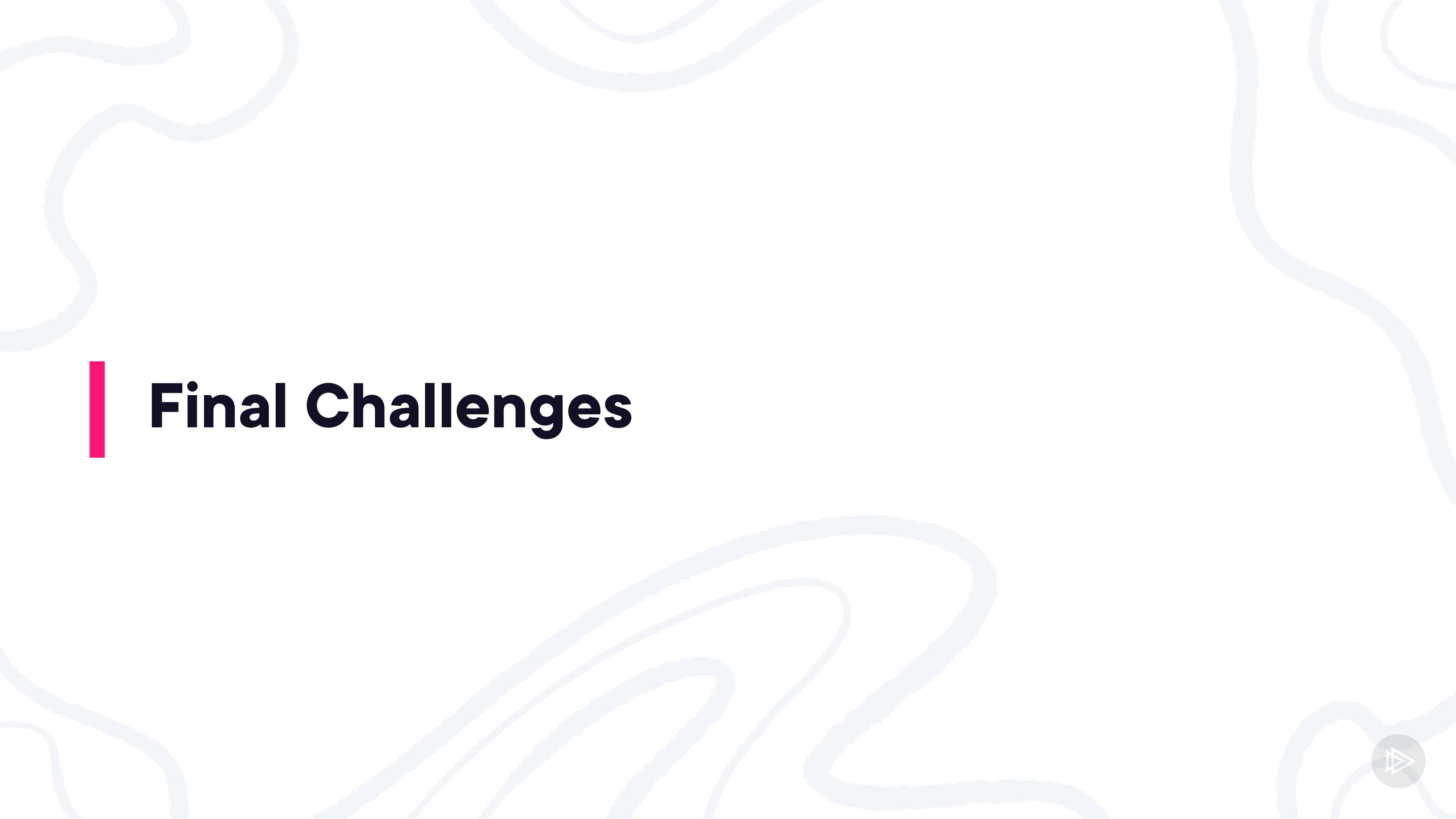
Prod build

63K!

Dev build

1.8MB





Final Challenges



Challenges

1. Author administration
2. Filter course list
3. Hide empty course list
4. Unsaved changes message
5. Enhance validation
6. Handle 404 on edit course
7. Show # courses in Header
8. Pagination
9. Sort course table
10. Revert abandoned changes





That's a wrap



Production builds matter

- 1.8MB → 63k

Other courses by Cory

- Managing State in React
- Third Party React State Management Playbook
- Creating Reusable React Components
- Building a JavaScript Development Environment
- React: The Big Picture
- Clean Code in C#

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