

One design system for the Lumen web app

The Lumen app (a fictional product, lumen.example) has three button styles and two modal libraries. This plan moves every screen to one shared component set in one quarter.

214

COMPONENTS TODAY

38

COMPONENTS AFTER

12 wks

TIMELINE

Q1 PROPOSAL**Tokens**

Colour, spacing and type as CSS variables.

Primitives

Button, input, modal, menu, toast.

Codemods

Scripts rewrite old imports automatically.

Lint rule

Blocks new imports from retired folders.

**Made with MagicSlides**

What the repo looks like today

Counted with a script over src/ on the main branch.

Primary Responsive Acceleration

COMPONENT	VERSIONS	FILES USING IT	KEEP
Button	3	412	ui/Button
Modal	2 libraries	96	ui/Dialog
Text input	4	188	ui/Field
Dropdown	3	73	ui/Menu

Four components cover 769 files, so they go first.

Where duplicate UI hurts us

Hours lost per sprint (team estimate)

Sprint avg



About 52 hours a sprint go into keeping duplicate components consistent.

Restyling

Brand changes touch three button files.

Bugs

Focus bugs get fixed in one modal, not the other.

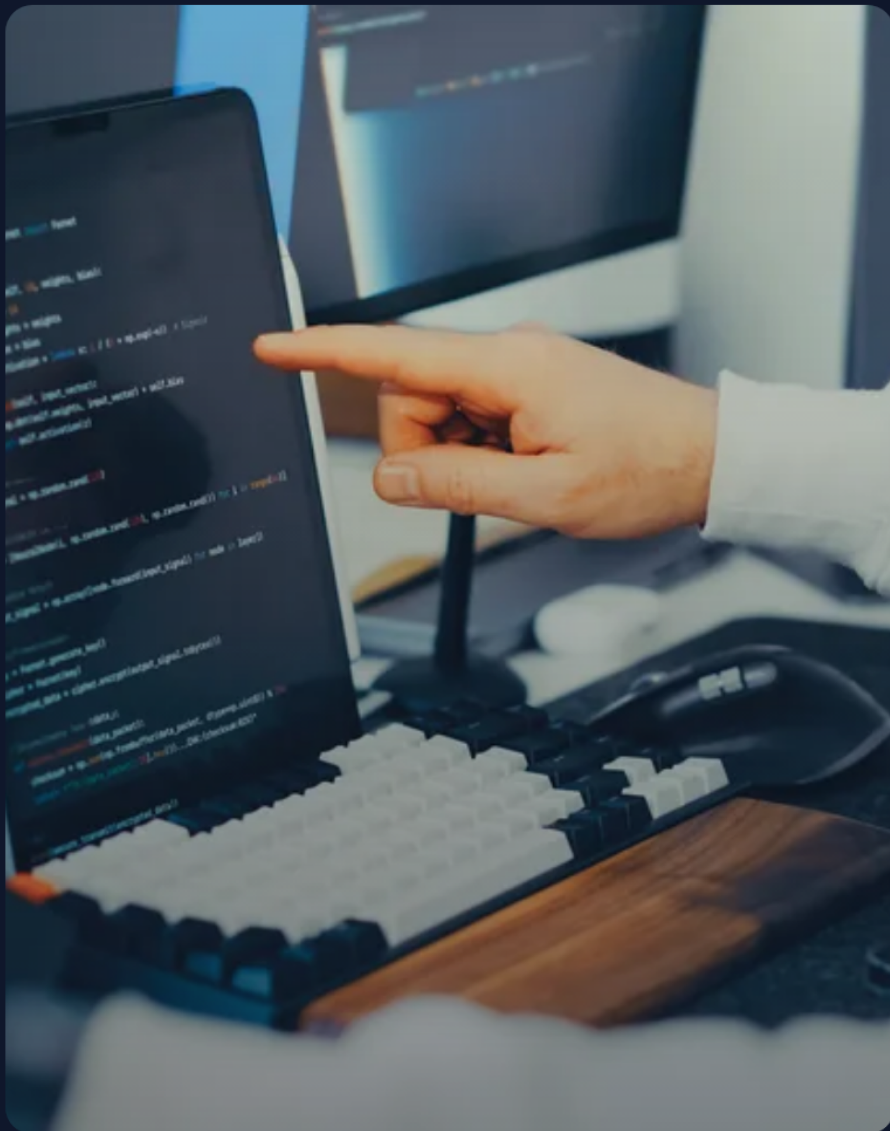
Review

Reviewers argue about which version to use.



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One set of primitives removes most of this work.



APPROACH

How the migration runs

Engineers keep shipping features. The migration happens in small PRs that a codemod writes and a person reviews.

Codemod first

A jscodeshift script swaps imports and props for each component.

Small PRs

One component, one folder, under 400 lines per PR.

Visual tests

Screenshot diffs on 60 key screens catch layout breaks.

Lint guard

An ESLint rule stops new code using retired components.

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Twelve weeks, five milestones

Each milestone ends with the old version deleted, not just unused.



WK 1-2

Tokens

Ship colour, spacing and type variables.



WK 3-4

Button

Migrate 412 files, delete two old buttons.



WK 5-7

Field

Inputs, selects and form errors.



WK 8-10

Dialog and Menu

Drop the second modal library.

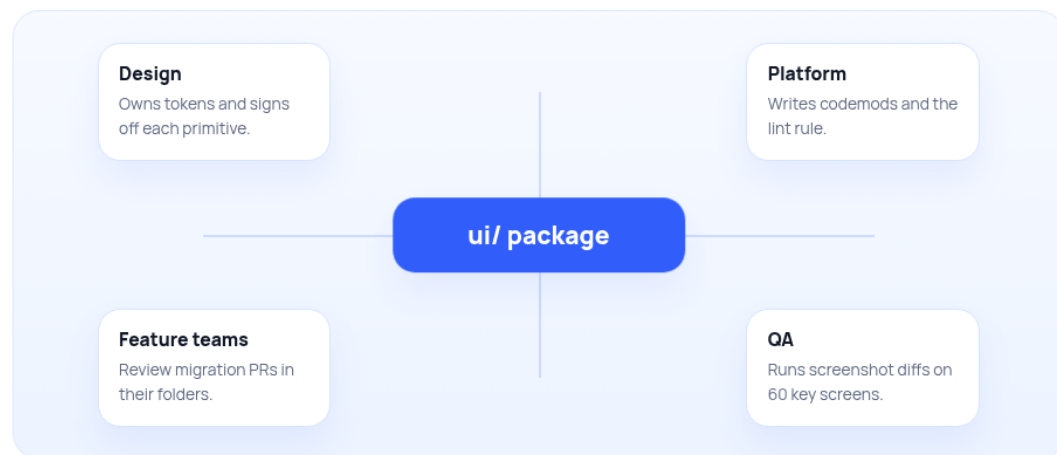


WK 11-12

Clean up

Remove retired folders, publish docs.

Who does what



Ask

Two platform engineers for 12 weeks, plus 10% of each feature team.