~~Digital Design System~~

Digital Service Toolkit

Our team

We're known for:

HTML component library

Figma wireframe kit

NSW Design Standards

Digital community

We also provide:

UX/CX guidance

React components

Dev starter kits

Solutions library

Session 1 of 2

Today:

Digital team managers

UXers

UI Designers

CDO's & Directors

Tomorrow:

Devs

Tech leads

The code curious

React Components Intro

- Definitions

- Scaled product team maturity

- Full-stack UX

- React in design

What is a component?

A component is a reusable building block for a digital product.

Components are made of code, and used to make the finished product.

Designers wireframe with static components, to show developers which arrangement would make a good user experience.

In modern product teams, designers and developers follow a 'component-first' approach...

Starting with the smallest components, a shared library is created contains pre-built blocks.

Within the context of a particular product, a team assembles those blocks.

What is react?

React is a code framework for creating UI screens using components, which are pre-fabricated parts for your digital product.

Using components takes product design burden off UXers. With quality components, they can work with users and devs to create digital experiences more quickly.

Design components support designers, but in a scaled product practice they're used by the whole team.

React, created by Facebook, has the highest adoption of UI frameworks.

We measure the practice maturity in Design-System powered teams in 4 stages:

A visual design system

- Image-based design
- Consistent branding
- Look & Feel

HTML & CSS examples

- Image-based design
- CSS is ready-made
- Development required

Isomorphic image & code

- Image-based design
- Replica library
- Interpretation required

Full-stack UX system

- Design in (no)code
- Avoid design-drift
- UX focus

Full-stack UX

Design which focuses on user experience at every level of a product.

Levels that can impact users' experiences

- Whether they can reach their goal

- Visual Design

- UI Design

- Content Design

- Usability

- Accessibility

- Frontend code

- Backend code

- APIs

- Hosting

- Privacy

- Security

- Trust

No role is responsible for users' experiences

No designer should/could know all of these practices

Full-stack components let designers focus on user goals

Example: Asking for a user's address

Traditional Design System

UI Design toolkit

- How the UI looks
- The code for a digital UI (HTML & CSS)

UI Dev toolkit

- The code for a view-layer component (Vue/React)
- The type-ahead mechanics (JS)

Full-stack Design System

Full-stack & DevOps toolkit

- API integration (JS)
- App boilerplate
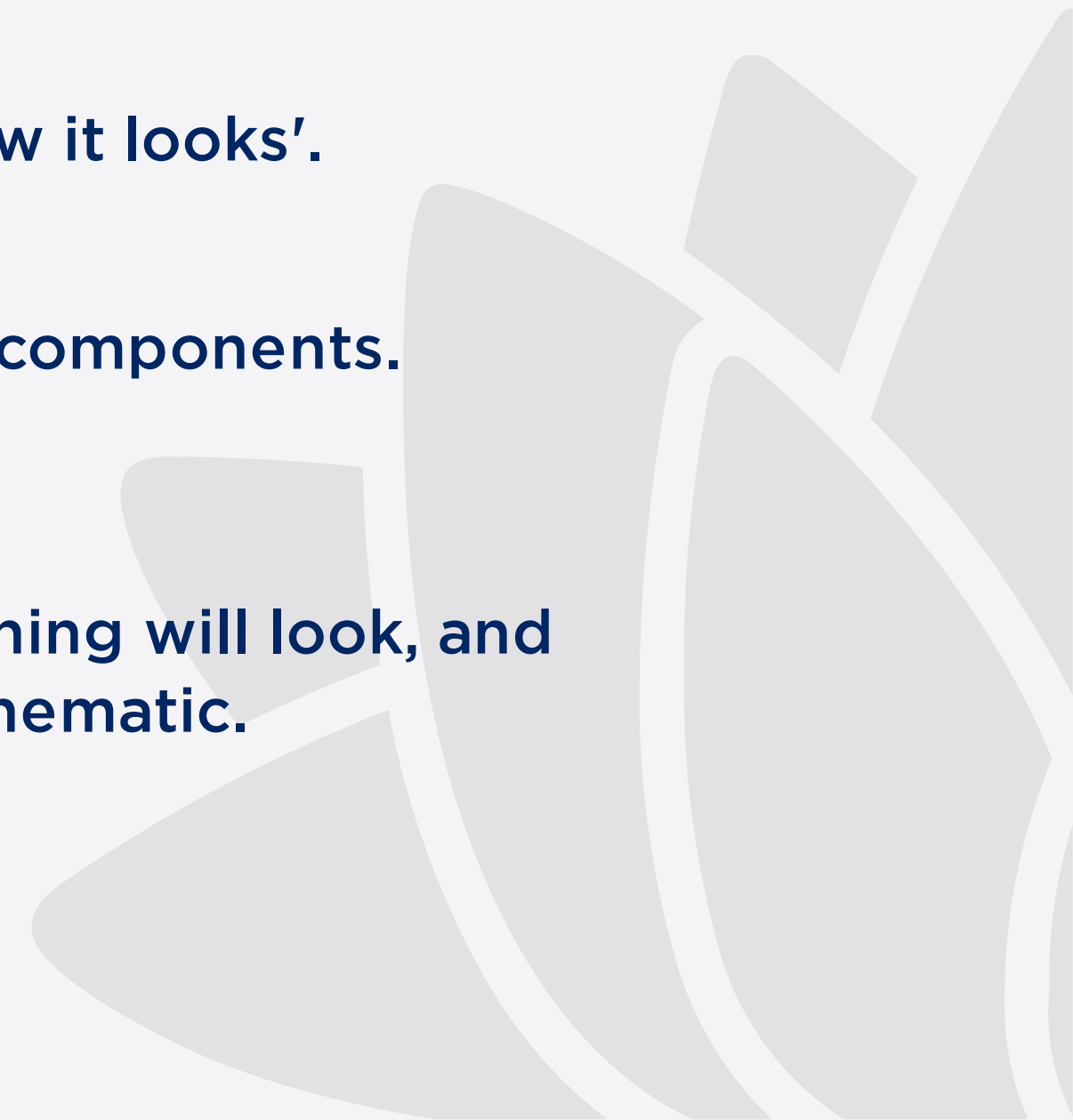- The API itself (NSW Point/AusPost/Google)

Design Guidance

- When it's not ok to ask for an address
- What people expect when they can't answer

React connects the layers of a component for the designer

React components bundle 'how it works' not just 'how it looks'.

Design software lets designers arrange the right react components. (without coding) (don't panic)

Instead of developers getting a flat image of how the final thing will look, and working backwards, designers can give them a schematic.

React-based design process

💬 → 👩🏽‍💻 → ✅ → 👷🏻‍♀️ → 🚀

Research **Prototype** **Validate** **Plug it all in** **SHIP IT!**
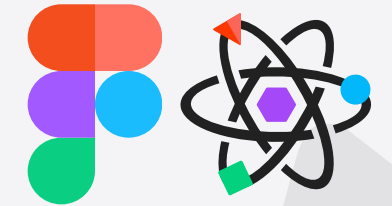
Tools for designers

Zeplin

Framer

UXPin

UXPin Merge

Figma & React-figma

We're still working this out

We've already got like-for-like with Figma, but image based

We're trialling UXPin Merge from 20th May

Re-cap

Quality

React helps extend the Design System's off-the-shelf quality from UI to UX
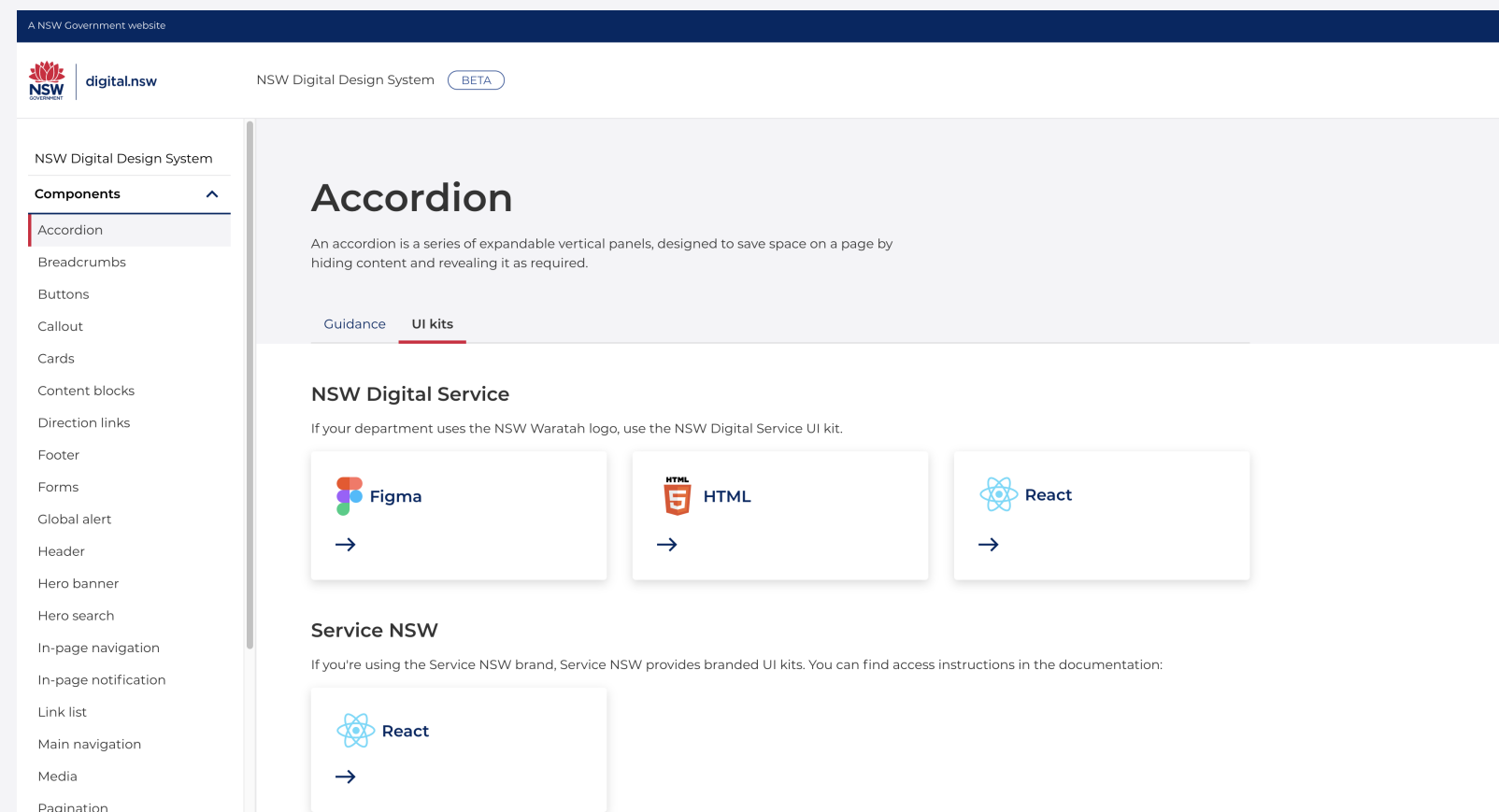
Efficiency

React components save on lots of dev work

Design drift

Designers using no-code versions of the same things creates a shared language

Early adopters

We need you

It's live now

digitalnsw.github.io/nsw-design-system-docs

Questions?