

How to design a form

Let's discuss a topic map



I was inspired to start this by a talk by Ralph Hawkins. Then I tried it out in Leeds.



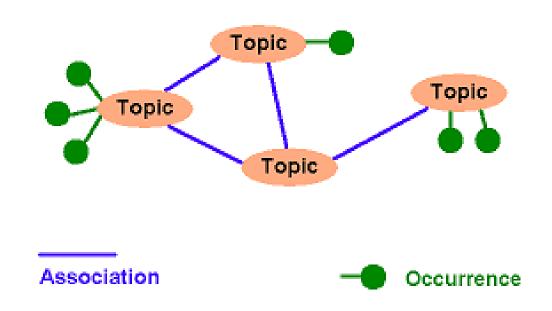
Ralph Hawkins

Service designer
Government Digital Service
@ralph_hawkins



Trying a previous version in Leeds, UK

A 'topic map' shows the relationships between areas of knowledge



By Hirzel at English Wikipedia - Transferred from en.wikipedia to Commons by Econt., Public Domain, https://commons.wikimedia.org/w/index.php?curid=3621665

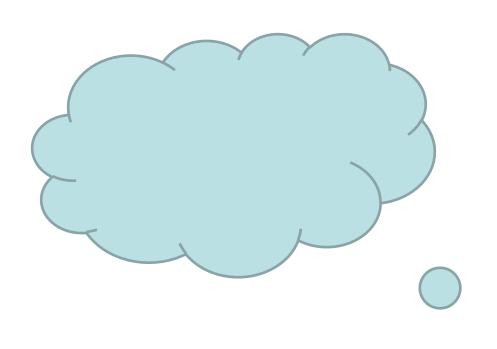
This is a two-step process for designing a form

1. Get the questions

2. Put the questions onto pages

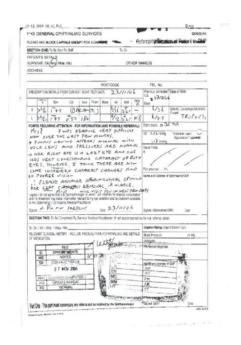
Do you have topics you want to add?

1. Get the questions 2. Put the questions onto pages

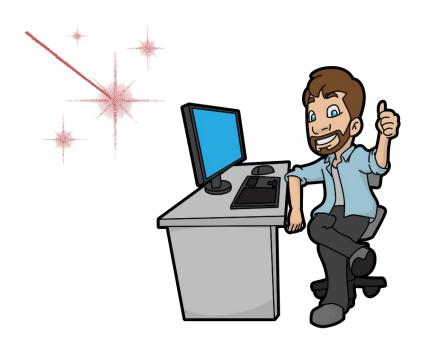


Old paper form + magic of digital = ????

1. Get the questions



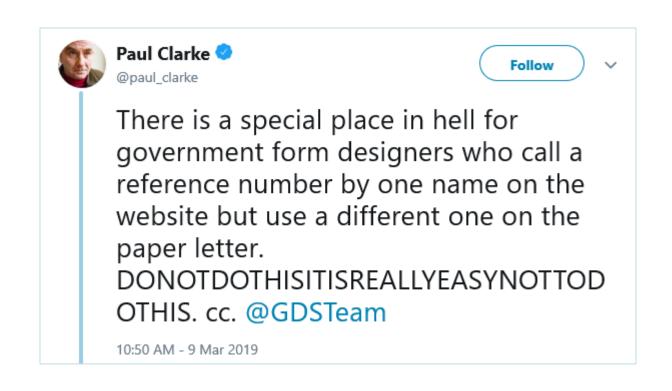
2. Put the questions onto pages



https://www.researchgate.net/publication/312012851_Electronic_ Referrals_and_Digital_Imaging_Systems_in_Ophthalmology_A_ Global_Perspective/figures?lo=1

https://upload.wikimedia.org/wikipedia/commons/thumb/6/66/Cartoon_Man_Approving_His_New_Computer.svg

People struggle with bad forms every day



Where is the advice for designers about using consistent reference numbers?



Digital service manual

Design and build digital services for the NHS

Things you need to make consistent, usable services that put people first.

Design principles

These principles guide all

Frontend library

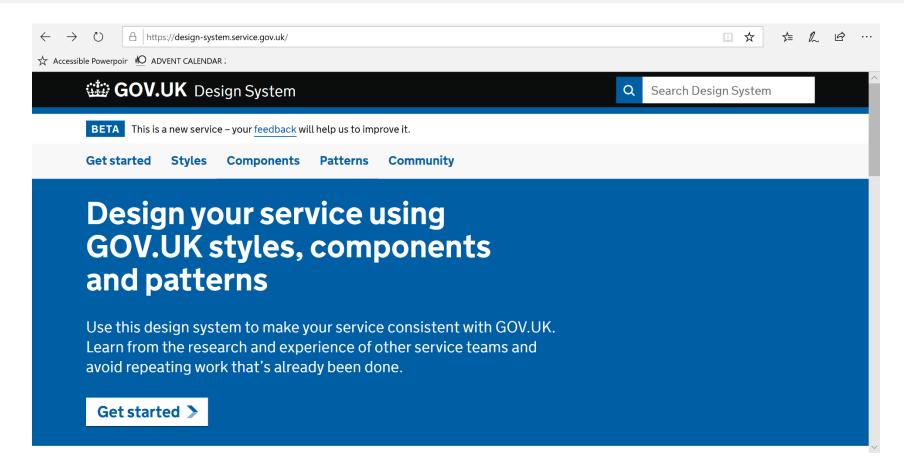
Production code to start

Prototyping tools

Build prototypes or

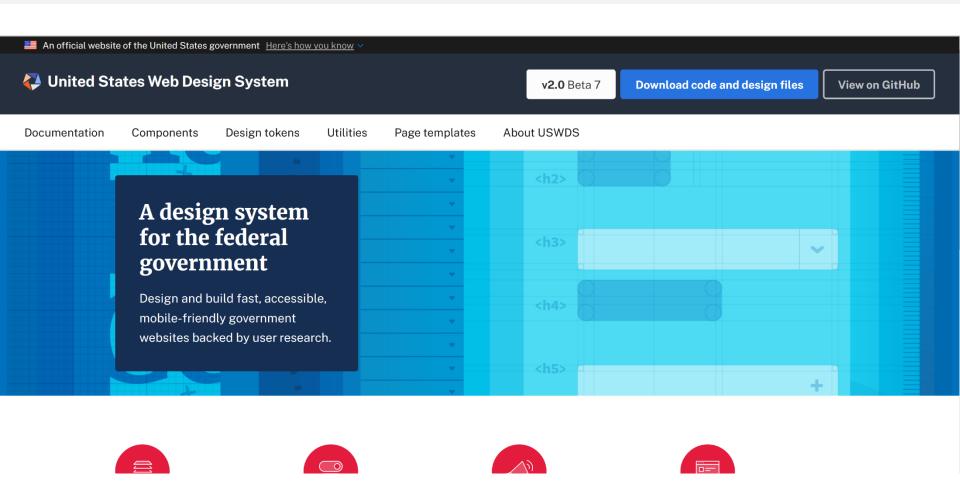
https://beta.nhs.uk/service-manual

Where is the advice for designers about using consistent reference numbers?



https://design-system.service.gov.uk/

Where is the advice for designers about using consistent reference numbers?



https://v2.designsystem.digital.gov/

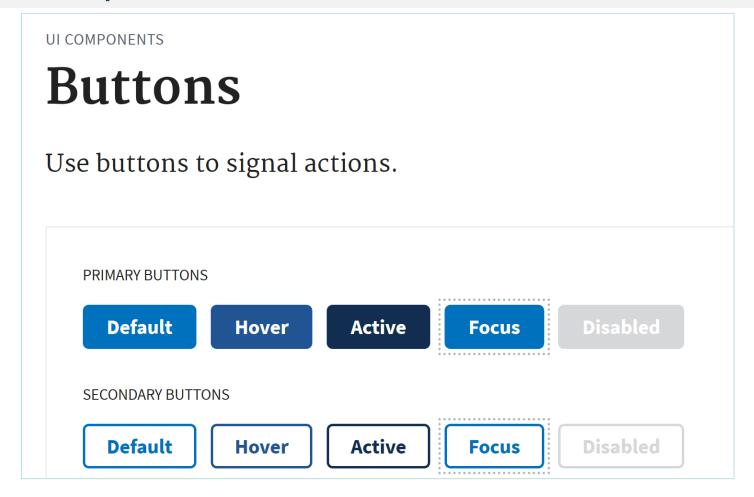
Our design systems are good at high-level advice. We all have 'Design Principles'.

8 Do the hard work to make it simple

Healthcare journeys can be complex. Take the time to understand what you are trying to solve. Do not push complexity onto the people using what you are designing.

https://beta.nhs.uk/service-manual/design-principles

And our design systems are good at component-level advice



https://designsystem.digital.gov/components/buttons/

In the UK, we offer advice on language



Digital service manual

<u>Home</u>

Content style guide

How to write for digital NHS services.

How we write

Our general principles.

Writing for accessibility

Meeting the Web Content Accessibility Guidelines (WCAG 2.0).

Links and PDFs

Writing good links and making PDFs accessible.

Voice and tone

The way we talk in different contexts.

Formatting and punctuation

From abbreviations to question marks.

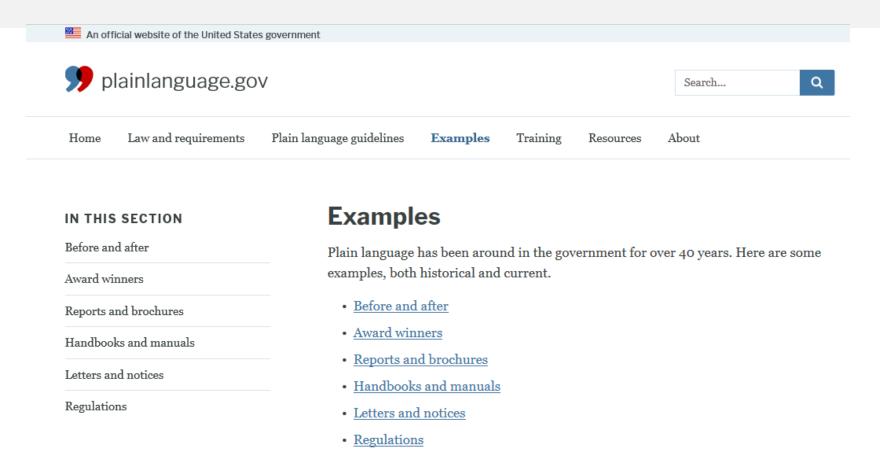
Inclusive language

Writing for everyone in a way that's inclusive and respectful.

A to Z of NHS health writing

Words and phrases which make our content easy to understand.

In the US, you have plainlanguage.gov



https://plainlanguage.gov/examples/

Our designers know about "one thing per page"

Page contents:

- Design your forms for the format they'll appear in
- Know why you're asking every question
- Design for the most common scenarios first
- Start with one thing per page
- Structure your form to help users
- Further reading
- Related guides

https://www.gov.uk/service-manual/design/form-structure

Some examples of what I mean by topics

- Detailed topics:
 - Good services are verbs not nouns
 - Kill your select boxes / avoid drop-downs
 - Use words that your users understand
- Process topics:
 - Start with one thing per page
 - Understand user needs
 - Do usability testing
- Over-arching principles:
 - Do the hard work to make it simple
 - Make it easy to do the right thing

Some examples of topics that we might decide to add or to create

Detailed topics:

- Same thing -> same name; different thing -> different name
- Avoid double-barrelled questions (two questions in one)
- Label the button with what it does

Process topics:

- Observe colleagues dealing with forms to understand their workflow
- Do card-sorting with users to understand which questions go together
- Start your paper form design ahead of the digital equivalent

Over-arching principles:

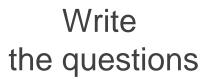
- If you don't know what you will do with the answer, don't ask the question
- Make use of information that you already have

Colleagues at NHS Digital did some topic suggestion and grouping for me

Get the questions









Usability testing



Put the questions onto pages

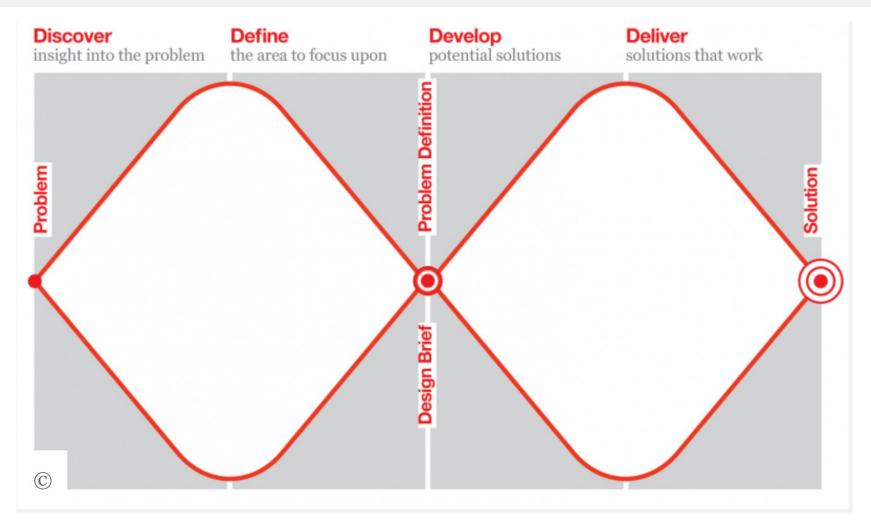




Dean Vipond suggested another look at the 2-step process

- 1. Get the questions
- 2. Put the questions onto pages

Matt Edgar suggested a design double-diamond



https://www.designcouncil.org.uk/news-opinion/design-process-what-double-diamond

Our simple process as a double diamond

Get the questions

Put the questions onto pages

The designers had a group 'write good questions' in the middle

Get the questions

Write good questions onto pages

'Discover/define' focuses on whether you need a form and why

riscover Read the legislation Find out how you'll use the Decide on answers measures Write good of success questions Understand Observe needs and people using goals the forms

Put the questions onto pages

"Get the questions" might be a linear process

Read the legislation

Decide on measures of success

Understand needs and goals

Observe people using the forms

Find out how you'll use the answers

Write good questions

But it's more likely to be successful when you iterate

Read the legislation

Decide on measures of success



Understand needs and goals
Observe people using the forms
Find out how you'll use the answers
Write good questions



'Develop/deliver' focuses on turning questions into a good user experience

Develop Discover Start with one thing per page Provide a Get the sense of Write good Do usability questions control questions testing with Choose the users right UI components

"Put the questions on the page" definitely has to be an iterative process

Start with one thing per page

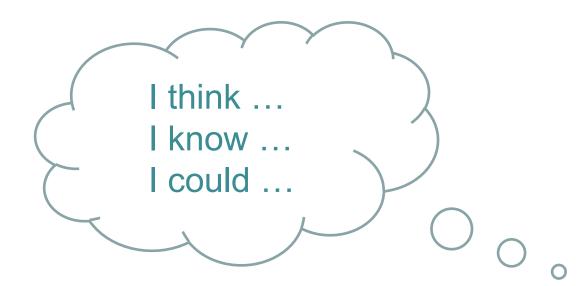


Write good questions
Provide a sense of control
Choose the right UI component
Do usability testing



I'm asking you to contribute

- Do you have ideas for topics?
- Do you have examples or case studies of improved forms and how they were improved?
- Would you like to write a topic, or know a good write-up?



Here's how to contribute

- Stay with us for some extra (optional) discussion right now
- Join the NHS Digital service manual Slack
 - http://bit.ly/2OS3MdG
 - join the #forms channel
 - comment as you wish
- If you don't like Slack or aren't allowed to use it,
 - Email me: <u>caroline.jarrett@effortmark.co.uk</u>
 - Contact me on Twitter: @cjforms
- Thank you