Content design systems — 7 lenses from GOV.UK



Hi, I'm Rik Williams 🤓 🤲







& Technology

Rik Williams

Senior Information Architect Government Digital Service linkedin.com/in/rikwilliams

Information Architecture



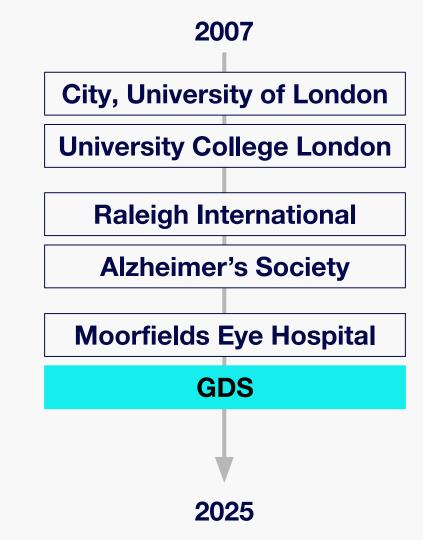


User Research



: Inclusive Design







Session structure



GOV.UK context — 10min

7 lenses (design tradeoffs) — 20min

Chat — 5min



GOV.UK context



GDS is the digital centre of the British government.



We serve the public, central government departments and the wider public sector.



And we design, build and deliver its user experience.



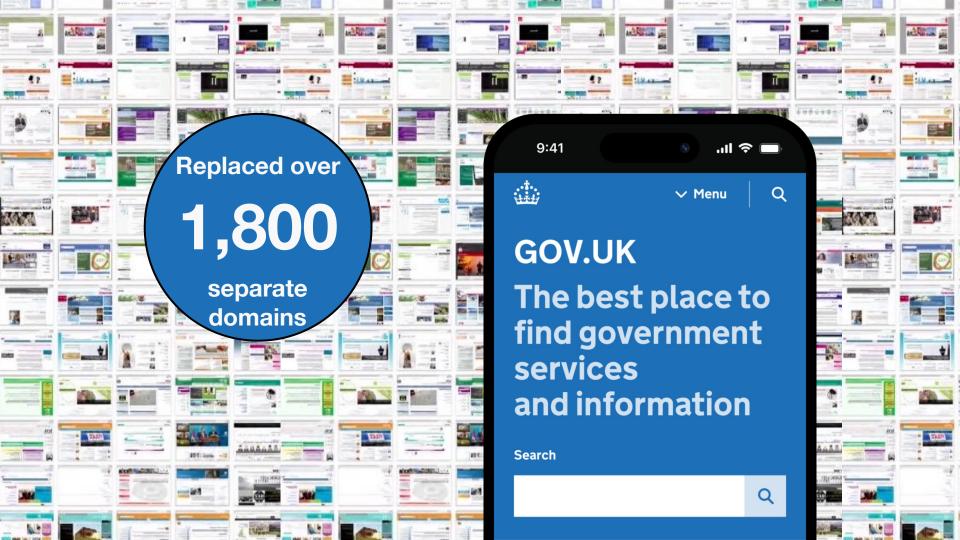


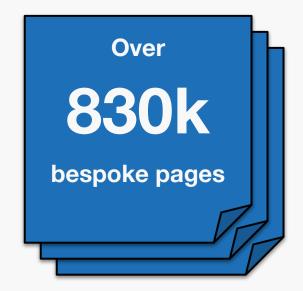
GOV.UK

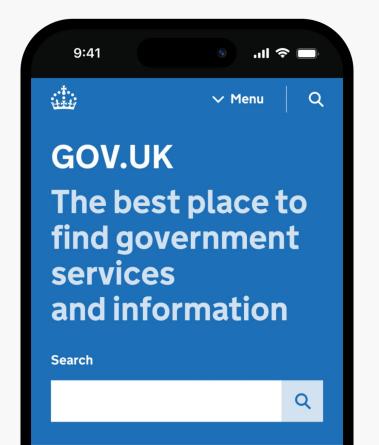
The best place to find government services and information







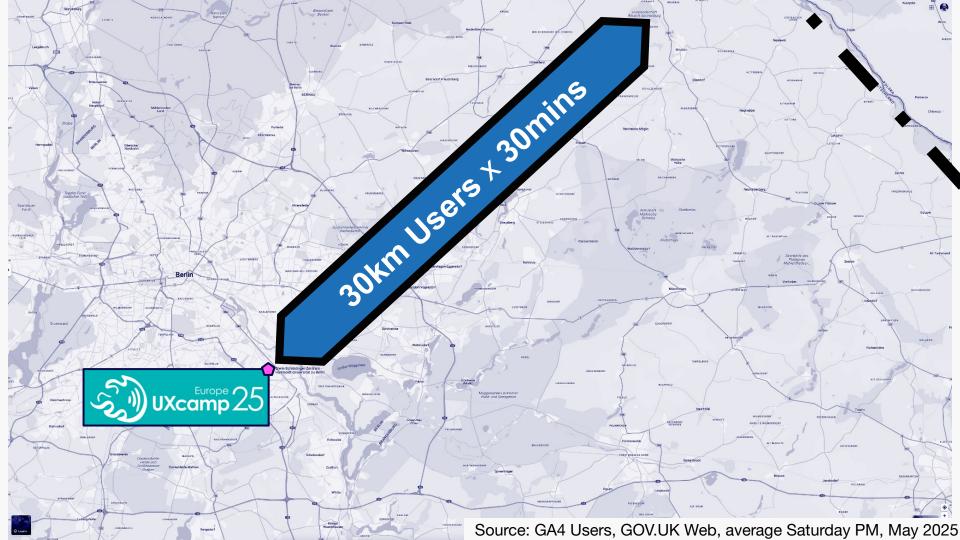


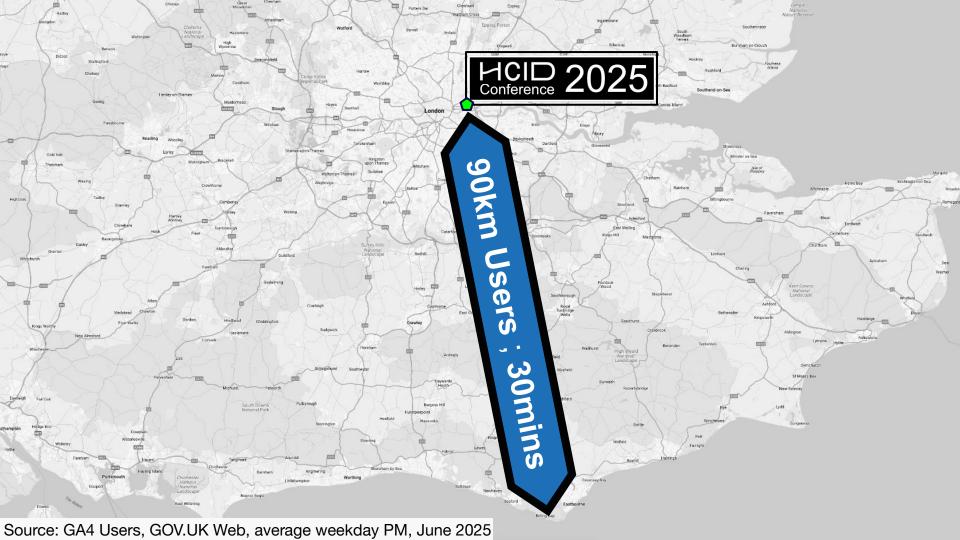




- 1. Google
- 2. YouTube
- 3. BBC
- 4. Facebook
- 5. Amazon
- 6. Wikipedia
- 7. GOV.UK
- 8. Reddit
- 9. Bing
- 10. Instagram

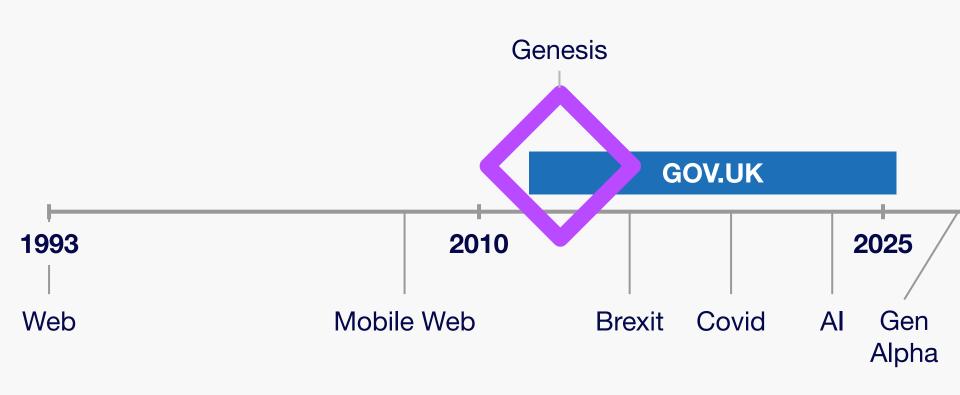




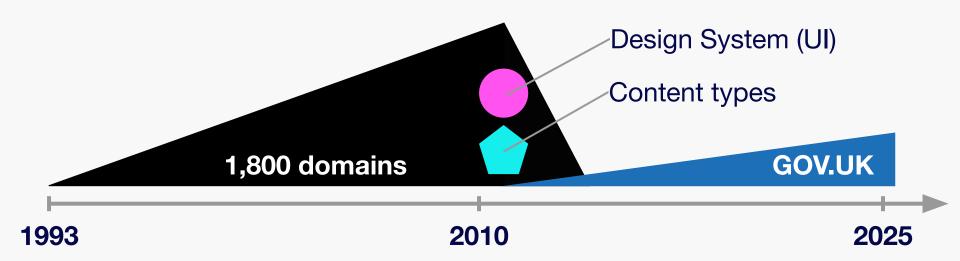














"We want to grow GOV.UK to reach people when and where they need government information [...and] evolve to match user expectations for new technologies"

GDS Strategy



Web passive, designer-led content Chat active, user-led content App personalised content





Epic scale (3m Users / day) Single channel (not multi) Page-based (custom content) Ul design system (mature) Content types (simple)



On design systems...

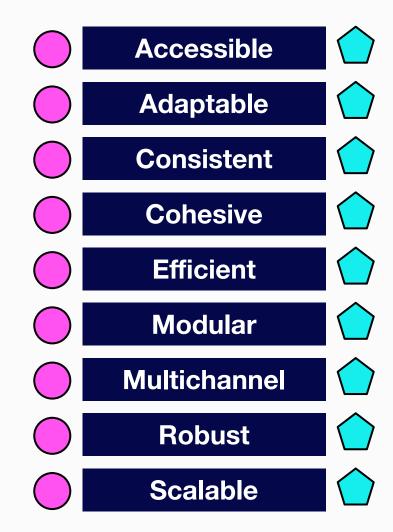




"A collection of reusable components, guided by clear standards, that can be assembled together to build any number of applications."

Jina Anne

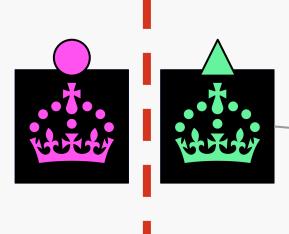






Content design systems (not content design *in* design systems)







Vitaly Friedman in . 2nd



Practical insights for better UX · Running "M...

+ Follow

1w • 🕟

Content Design in Design Systems

Atlassian: https://lnkd.in/eGpzQqm4

Amplitude: https://lnkd.in/eaB85T7n 👍

Buffer: https://lnkd.in/e3P_EZFN

DHL: https://lnkd.in/eF494fkT 🌲

Duolingo: https://lnkd.in/egCSX9At

Girlguiding: https://lnkd.in/eEBiXX6d 👍 Goldman Sachs: https://lnkd.in/e5x7BuPt

Gov.uk: https://lnkd.in/ekRadXad

JSTOR: https://lnkd.in/eAnyrtcu 👍

MetLife: https://lnkd.in/evVE8sqf Monzo: https://lnkd.in/edVV8QWz

NASA: https://lnkd.in/eM637kfD

NHS: https://lnkd.in/eYK3QMa2 👍

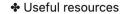
Progressive's: https://lnkd.in/evx_8bzY deliantering Schibsted: https://lnkd.in/et_BXg6R

Shopify: https://lnkd.in/eAKgEHNW Skrill: https://lnkd.in/e2HGTq4q 🎍

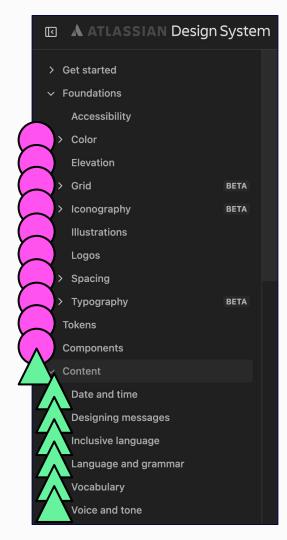
Slack: https://lnkd.in/ejZ2QtJa

Zendesk: https://lnkd.in/euxijT5m 👍

Wise: https://lnkd.in/eWk-Mvf9

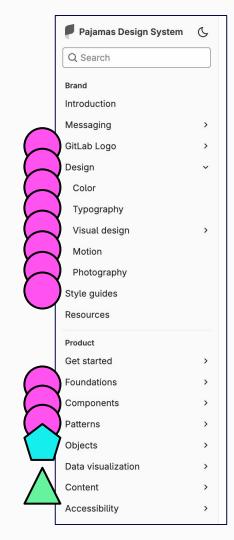








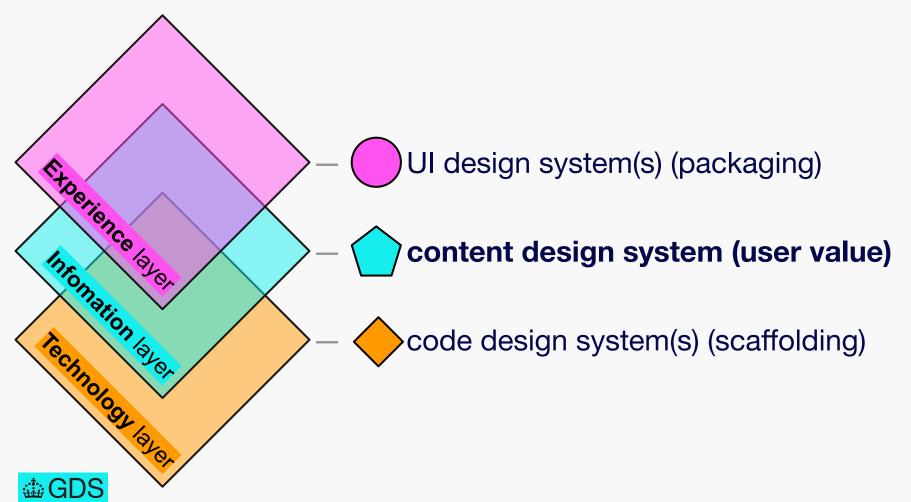
Source: Atlassian

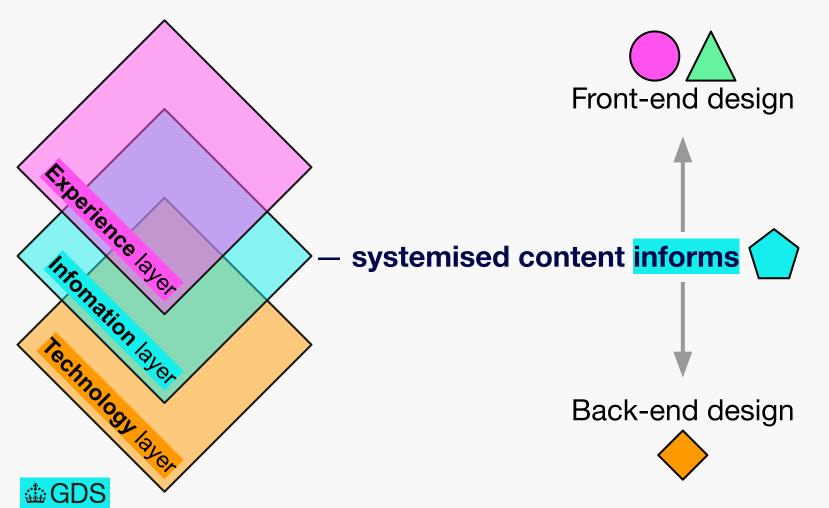




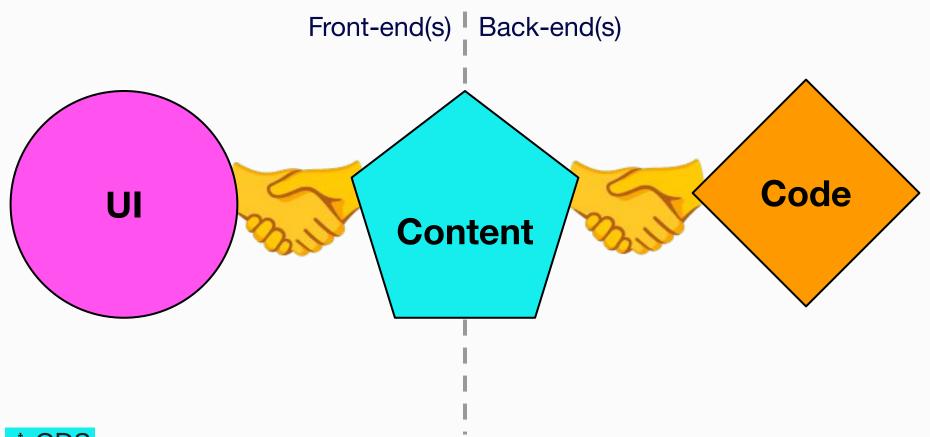
Source: Gitlab







Full-stack design







Q

JUNE 17, 2025

Welcoming Payload to the Figma team



Kris Rasmussen Chief Technology Officer, Figma

INSIDE FIGMA NEWS

We're thrilled to announce that the team behind Payload, a leading open-source headless content management system (CMS) and application framework, has joined Figma.



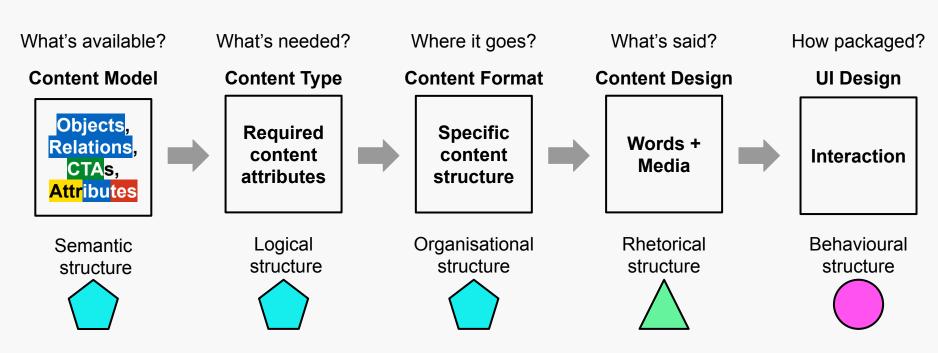


At Config 2025, we talked about supporting the entire spectrum of software development, from designers and developers to other collaborators who take part in the product building lifequals. We launched now products to make it easier for anyone to go from an idea to

Source: Figma, June 2025

Content Design Spectrum

Back-end(s) Front-end(s)









Home > VAT

VAT rates

The standard VAT rate is 20%

This guide is also available in Welsh (Cymraeg).

VAT rates for goods and services

	% of VAT	What the rate applies to
Standard rate	20%	Most goods and services
Reduced rate	5%	Some goods and services, f example, children's car sea and home energy
Zero rate	0%	Zero-rated goods and services, for example, most food and children's clothes



Some things are exempt from VAT, such as postage stamps, financial and property transactions.

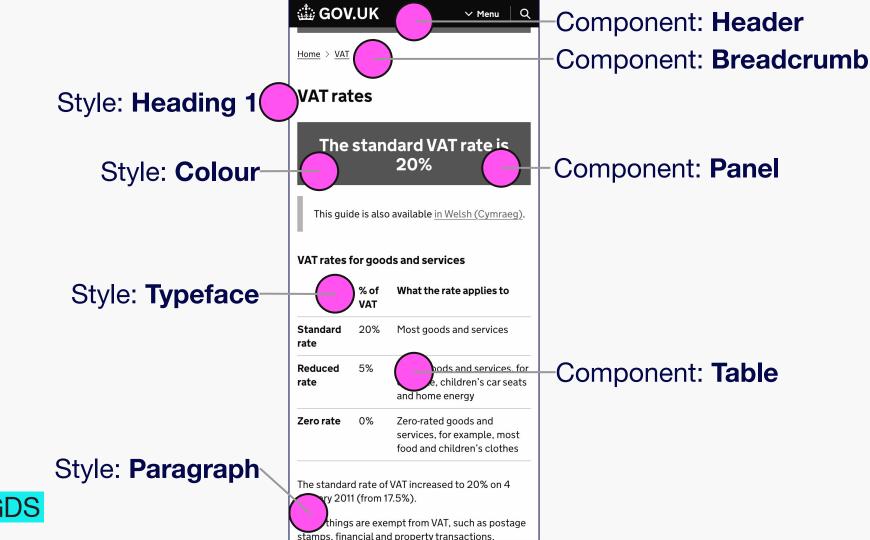
The standard rate of VAT increased to 20% on 4

January 2011 (from 17.5%).



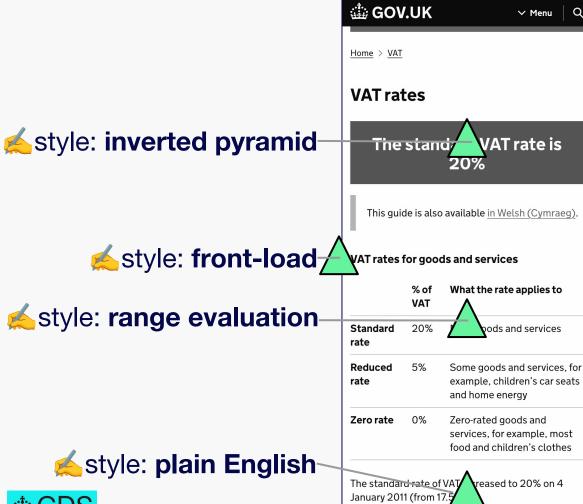










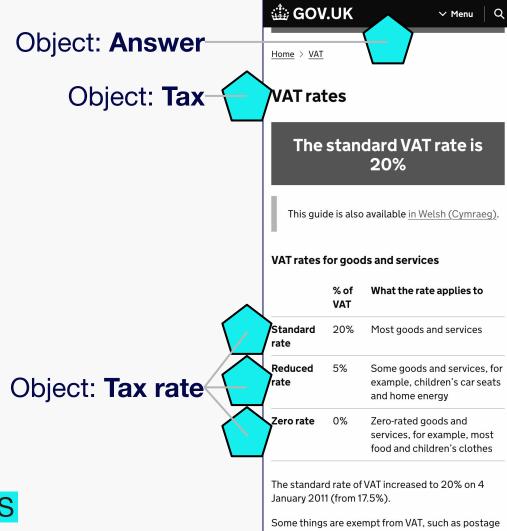


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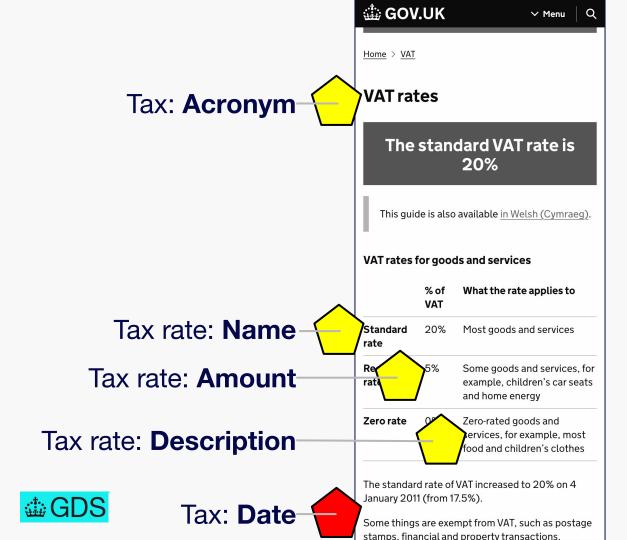






stamps, financial and property transactions.



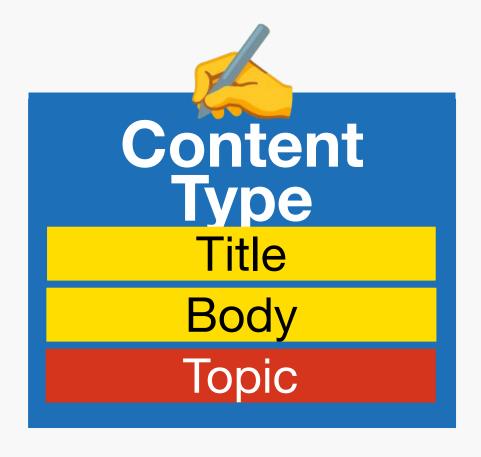


Answer Title Body

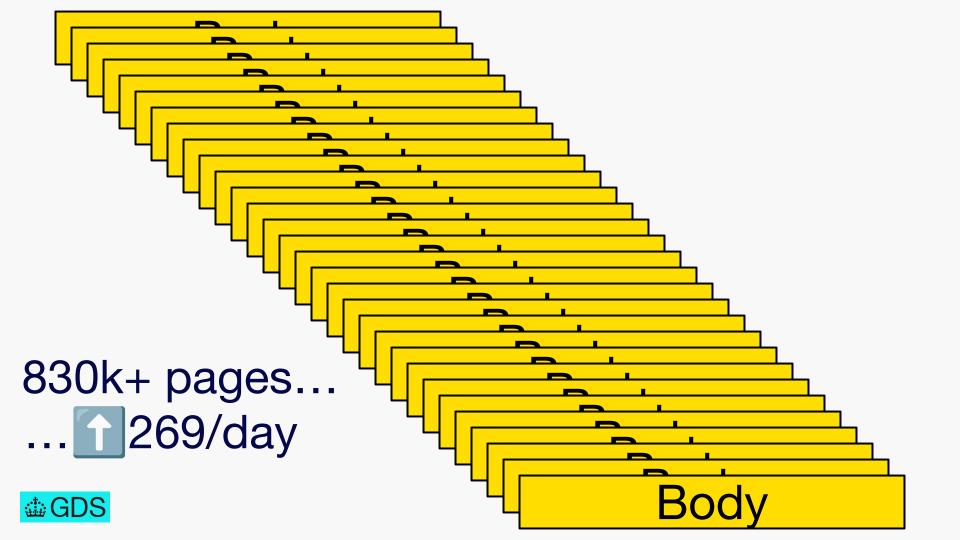




Guide Speech Org **Answer** Person **Statistic** Manual **Policy** News Role





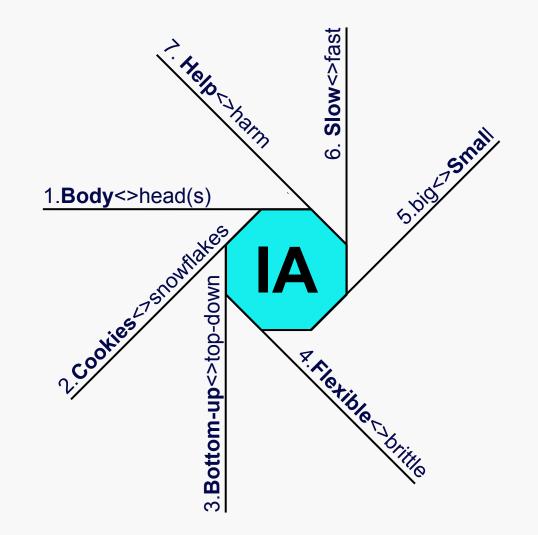


We need full-stack design systems to deliver multichannel service at scale.



7 design lenses









"There are no solutions — there are only tradeoffs."

Thomas Sowell



Lens 1

Body vs Head(s)

Decouple what users need from its packaging and representation.



head(s) Body





"People don't care about the containers. They care about the things they contain."

Mike Atherton

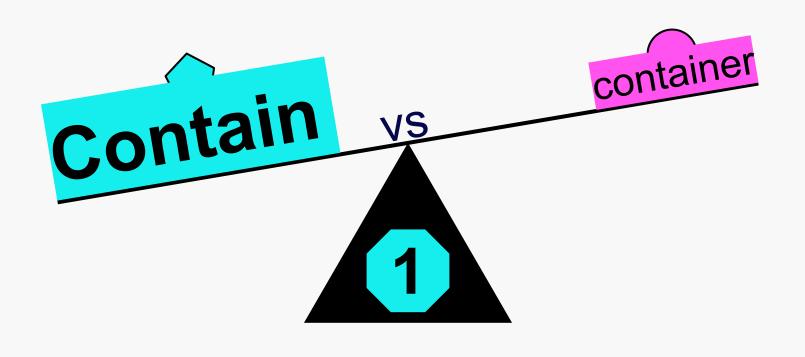




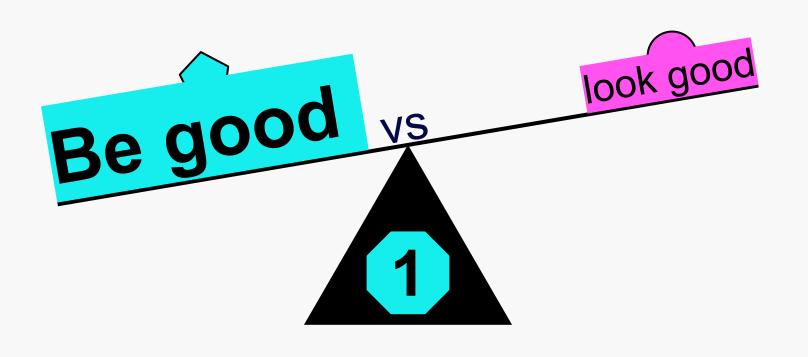
"The aim is not to make something look good, but to make it be good."

Richard Saul Wurman





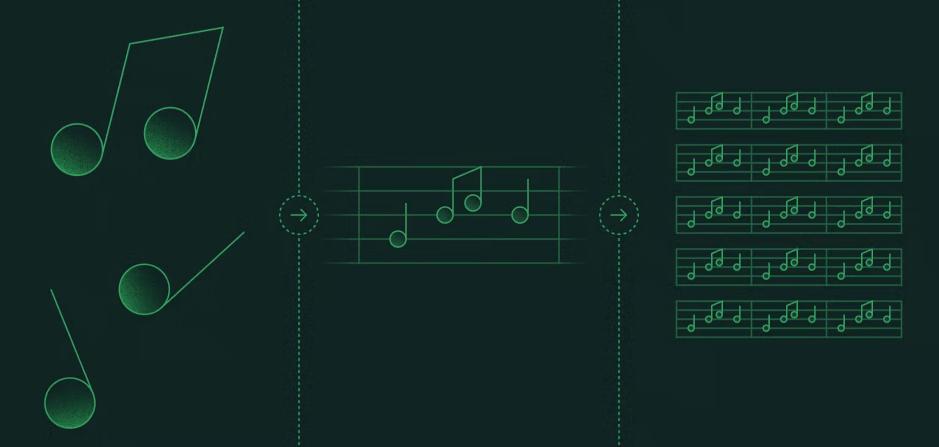


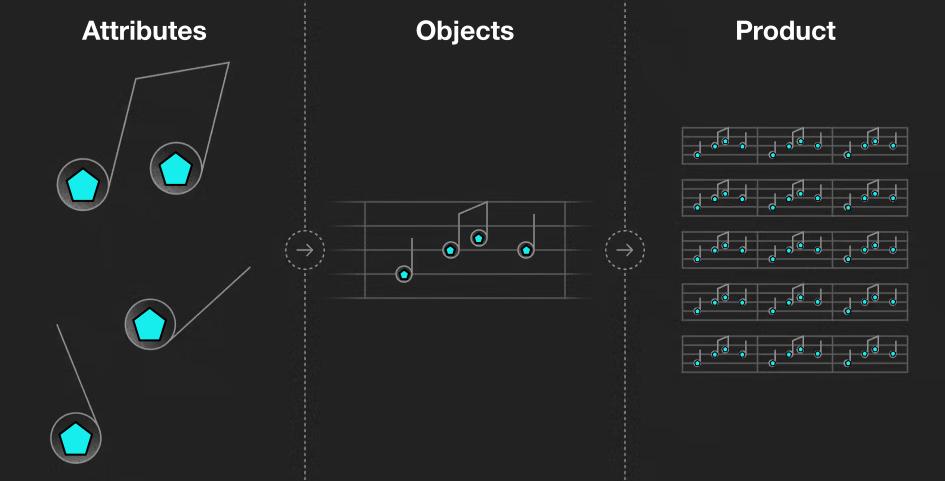


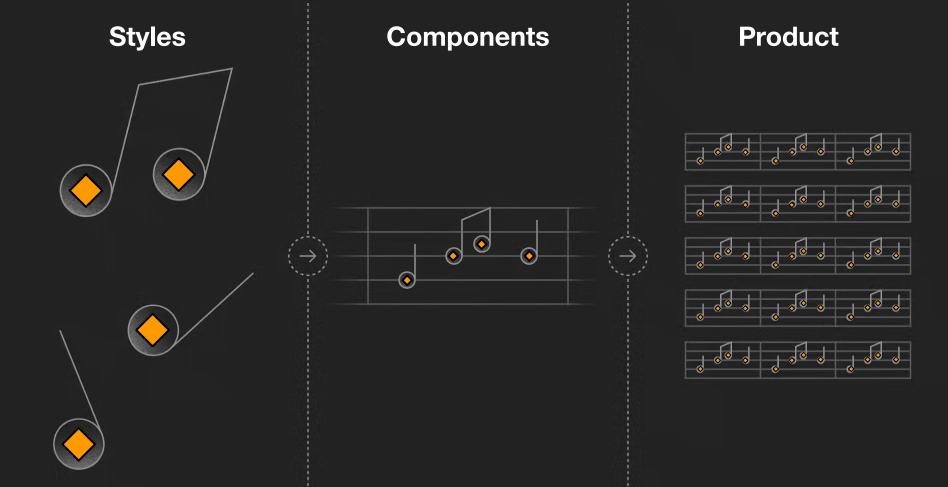


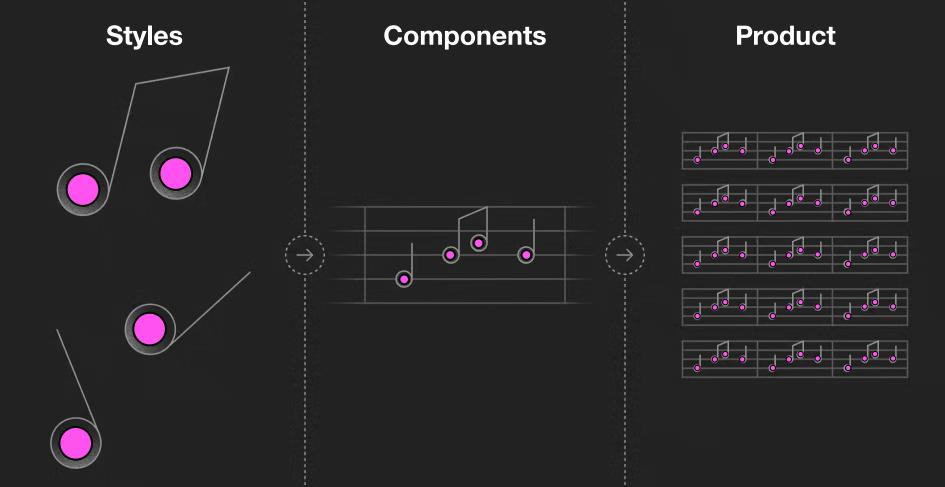
UI and code systems are a means to an end — content is what humans come for (and machines need).







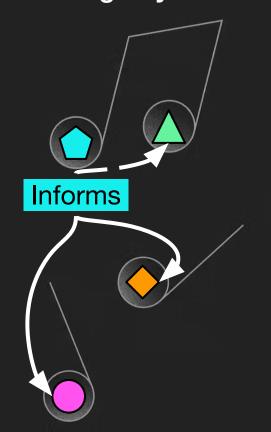




Design System

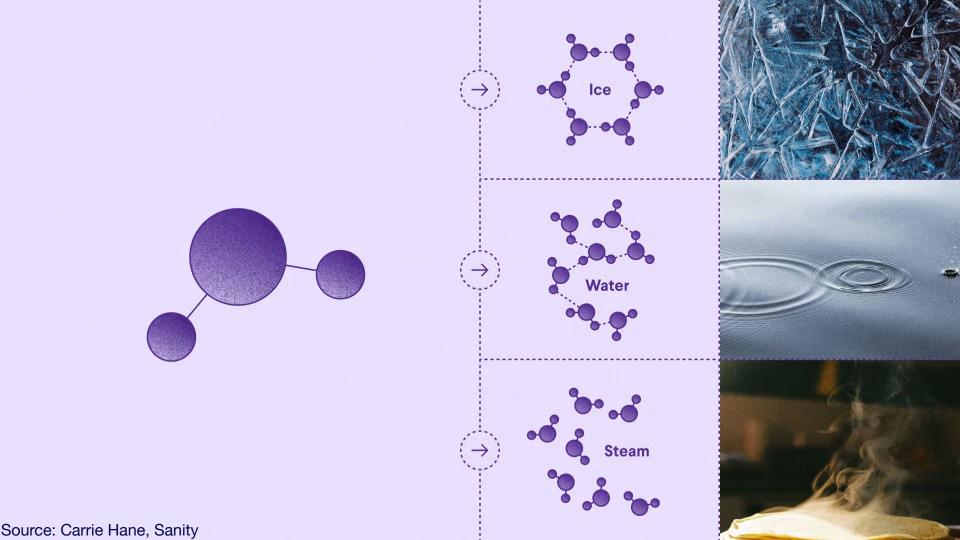
Composition via UCD

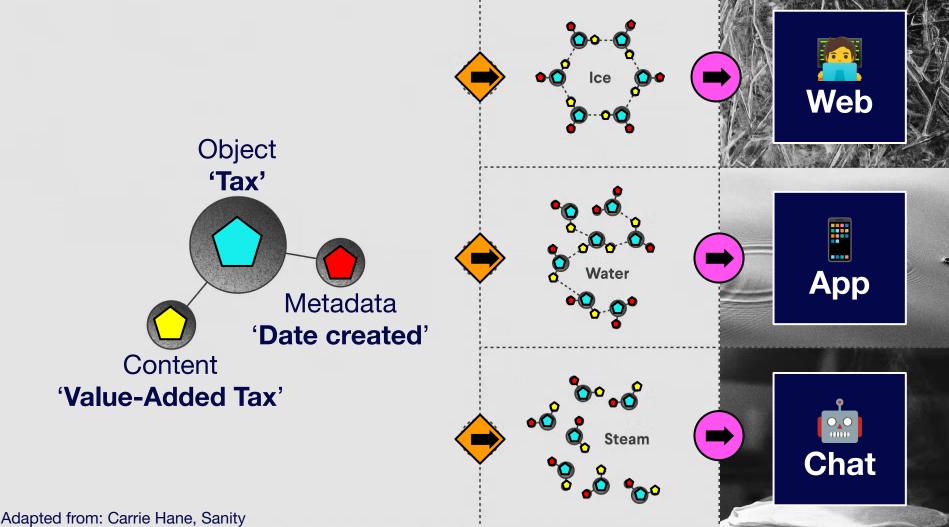
Product(s)





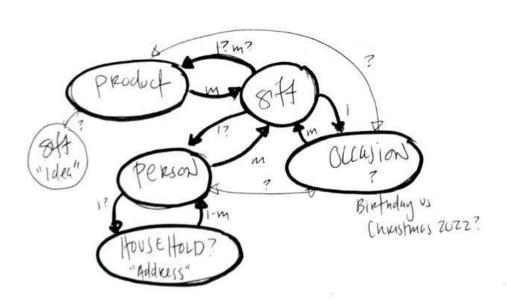


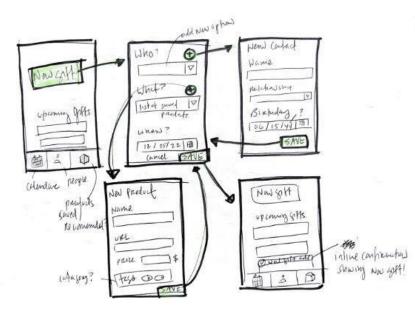












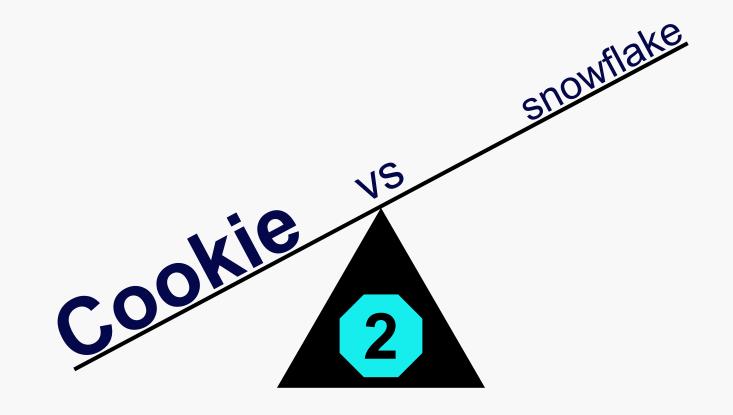


Lens 2

Cookies vs Snowflakes

Look for content with repeating structure over one-of-a-kind content.







Tangible

Agnostic

Durable



Structure

Instances

Purpose



Tangible

Agnostic

Durable





















5000BC

1900BC



Tangible

Agnostic

Durable



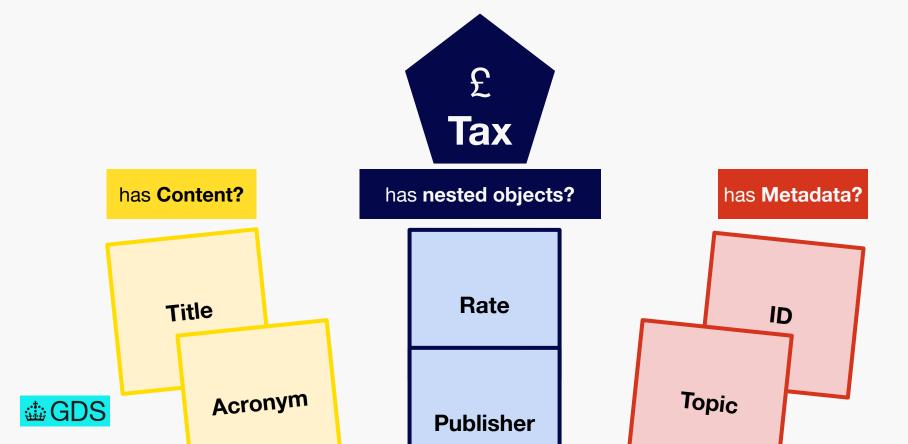
Structure

Instances

Purpose



Structure



Instances



Object

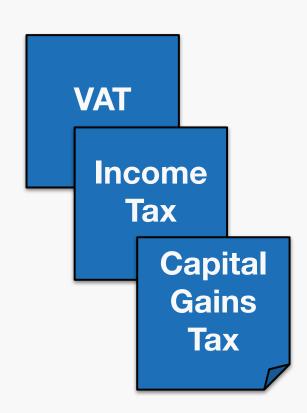




Object



Instances





Purpose

"As a **Subser** I need to know the rate of **VAT** for the **Goods** I'm buying so that I pay the right Tax."

"As a **Subser** I need to know if a **Country** is **safe** to travel to so that I don't void my insurance."

"As a **User** I need to **Find** the **Office** so that I can attend my **Appointment**."



Lens 3

Bottom up vs top down

Design 'many small things' rather than 'one big thing'.



Bottom vs

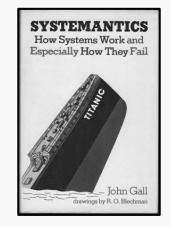




"Rather than treat content models as monolithic plans, it is more helpful to think of them as behaving like LEGO. They should support the configuration of content in multiple ways."

Michael Andrews

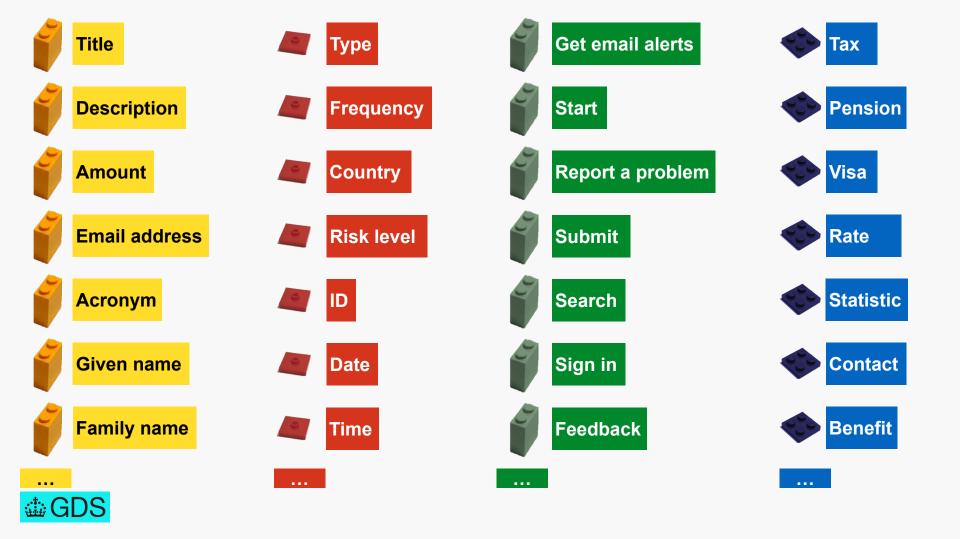




"If you want to build a complex system that works, build a simpler system first, and then improve it over time."

John Gall









ID (e2c44bf...)



Title (Value-Added Tax)



Acronym (VAT)



Description (VAT (Value Added Tax) is a tax added to most...)



Rate (has 1 Tax)



Title (Standard Rate)



Amount (20%)



Description (Most goods and services)







ID (0169ice...)



Title (Capital Gains Tax)



Acronym (CGT)



Description (Capital Gains Tax is a tax on the profit...)



Rate (has 1 Tax)



Title (Residential Rate)



Amount (36%)



Description (Gains from residential property)





Pension (has 1-many Rate)



ID (a98d-fb...)



Title (Basic State Pension)



Description (This applies if you reached State Pension age before...



Rate (has 1 Pension)



Title (Full amount)

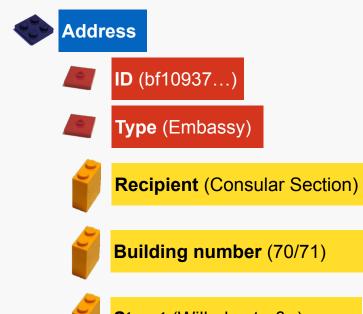


Amount (£176.45)



Frequency (Week)







Street (Wilhelmstraße)



Town or city (Berlin)

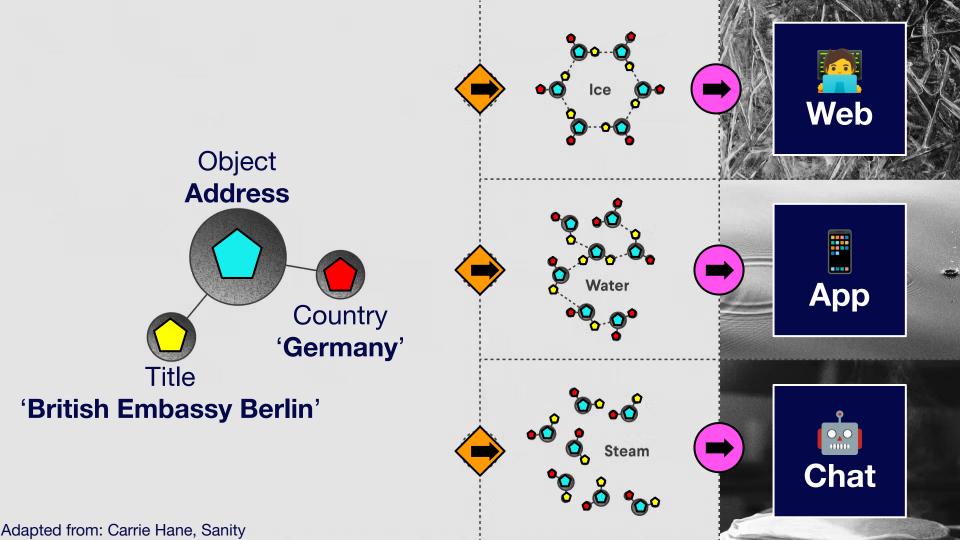


Postal code (10117)





Country (Germany)



Lens 4

Flexible vs Brittle

Prefer adaptability to monolithic.



clexible 15

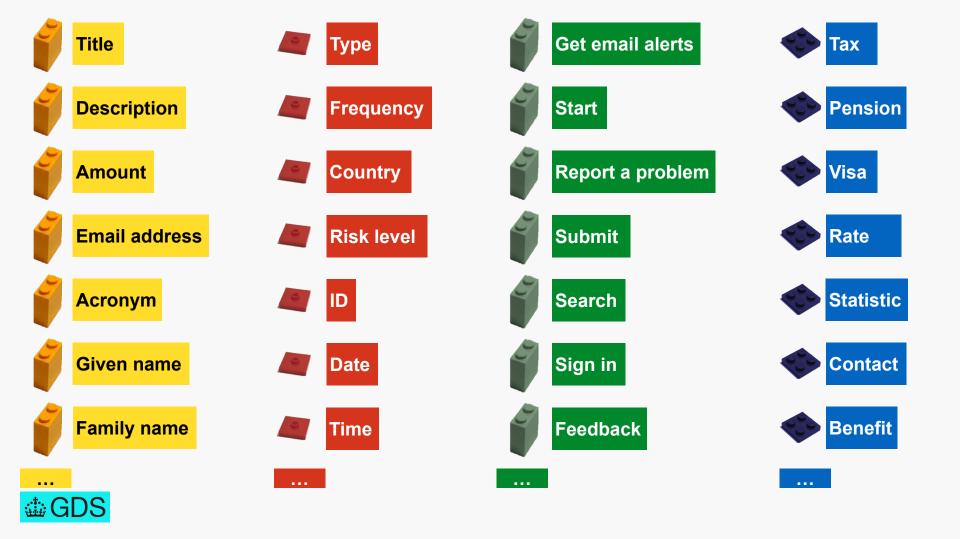


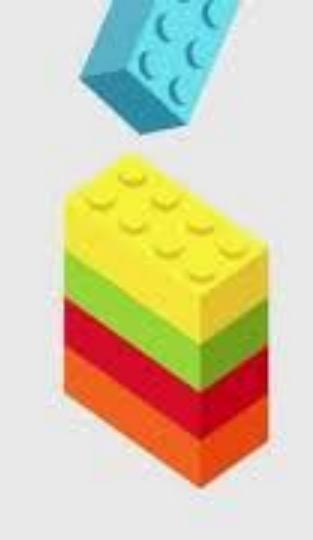


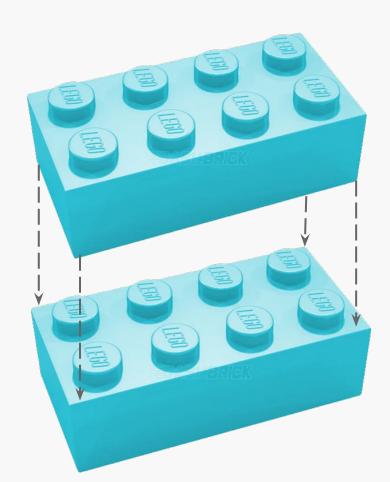
"Don't build an IKEA product that can't be disassembled when you need to move."

Michael Andrews

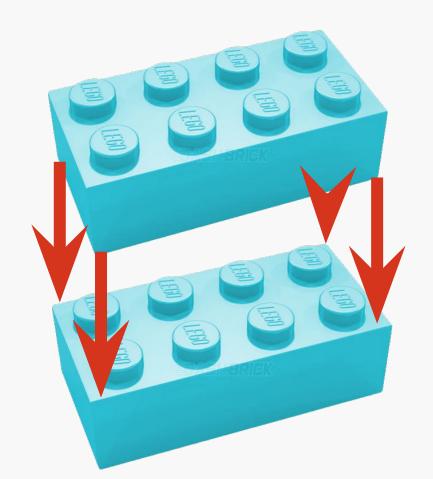




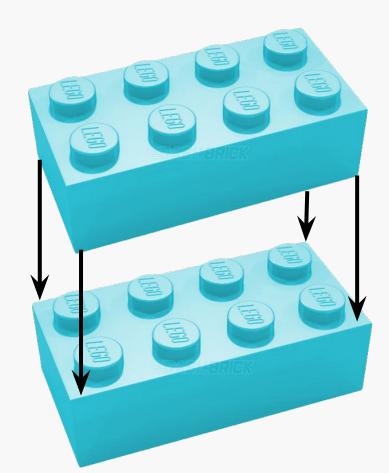




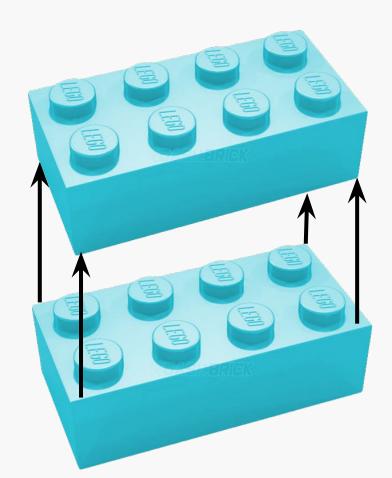




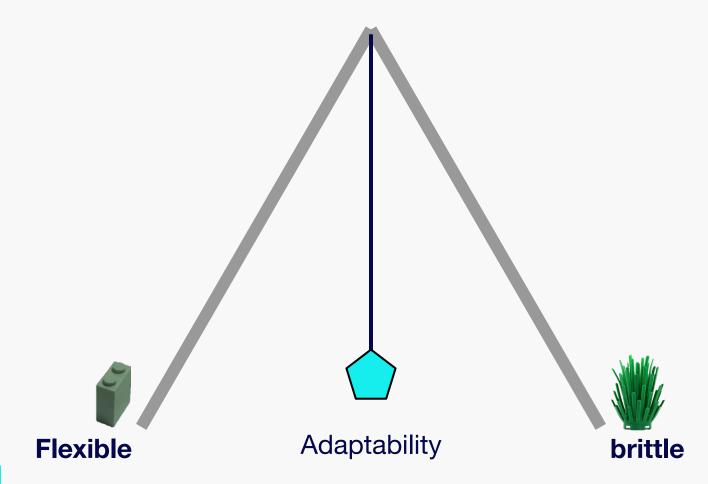




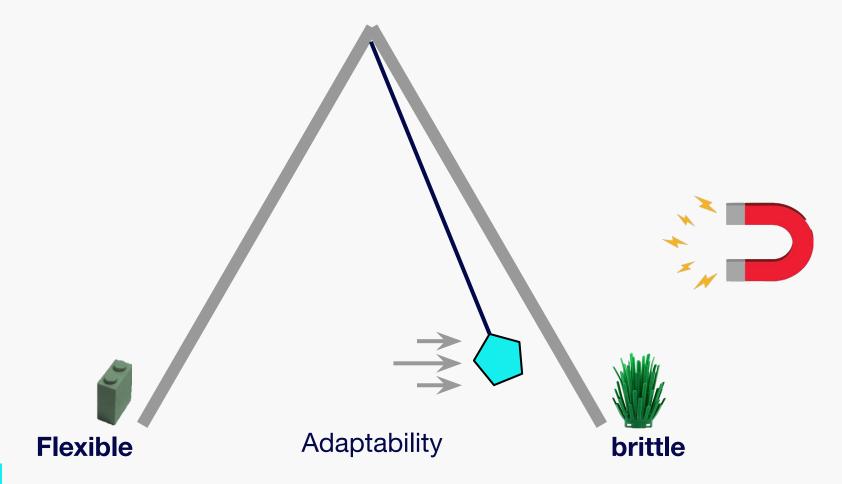




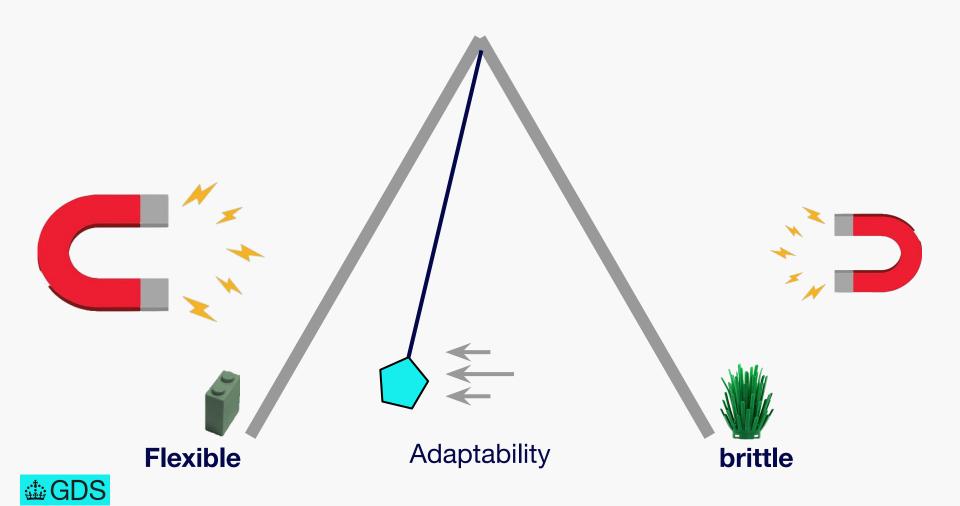


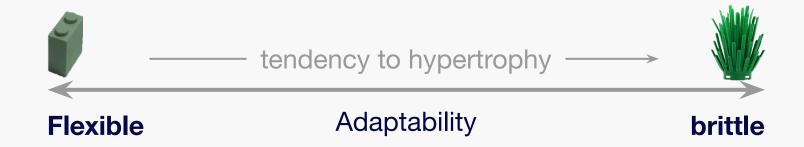


















ID (bf10937...)



Type (Embassy)



Reorder



Recipient (Consular Section)



Reorder



Building number (70/71)



Reorder



Street (Wilhelmstraße)



Reorder





Reorder



Postal code (10117)





Country (Germany)





ID (bf10937...)



Type (Embassy)



Reorder



Recipient (Consular Section)



Reorder



Street (Wilhelmstraße)



Reorder



Building number (70/71)



Reorder

Postal code (10117)



Reorder



Town or city (Berlin)





Country (Germany)

Modular pieces must be easy to connect and disconnect, cognitively and procedurally.

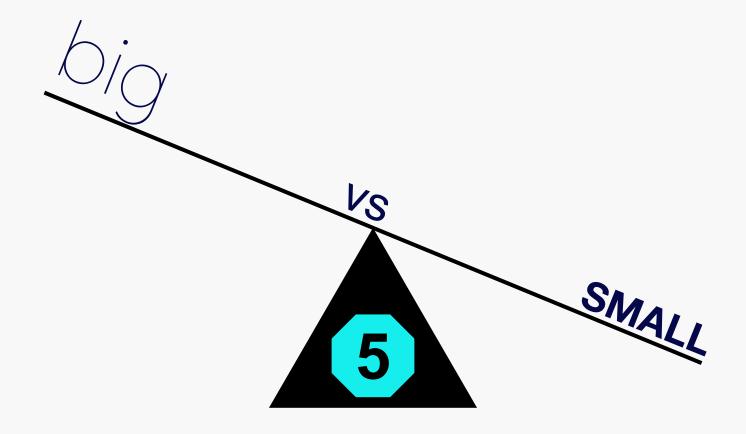


Lens 5

Big vs Small

Create the smallest reasonable pieces (but no smaller).









"Content that is divided into the smallest reasonable pieces and explicitly organised and classified in order to be understood and used by computers and humans."

Carrie Hane



Smallest reasonable — not smallest possible — pieces.





Body

Contact the helpline on 08003285644





Telephone number

0800 328 5644





Area Code Telephone number





Country Area Telephone number





Country Area Telephone number Ext.

0044 800 3285644 897





Country Area Telephone number

Ext.

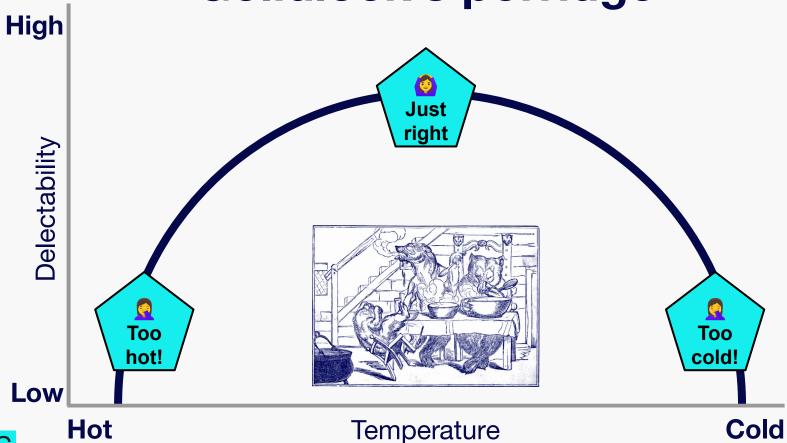


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3285644

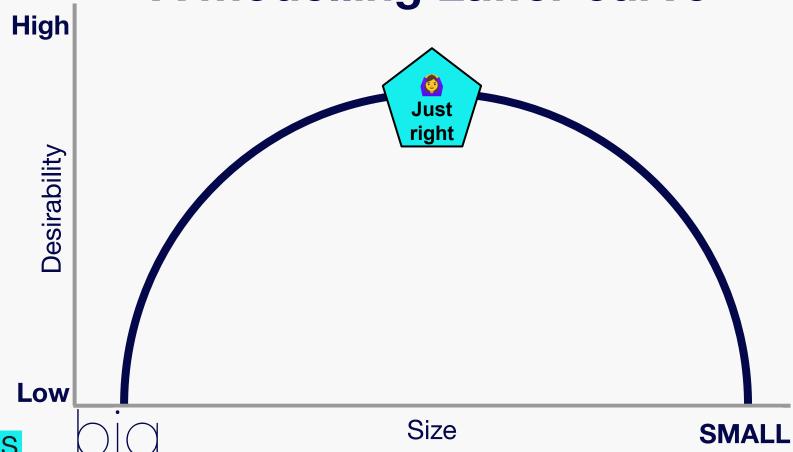


Golidlock's porridge





A modelling Laffer curve





Country

Telephone number



0800 32 85644



044



"Something is elegant if it is two things at once: unusually simple and surprisingly powerful."

Matthew E May



Lens 6

Slow vs Fast

Understand where you're adding, or removing, friction.





"Friction is not always good or bad. It can be appropriate, it can be annoying, it can be unnecessary, and can be essential. Context is what makes friction good, bad, or ugly."

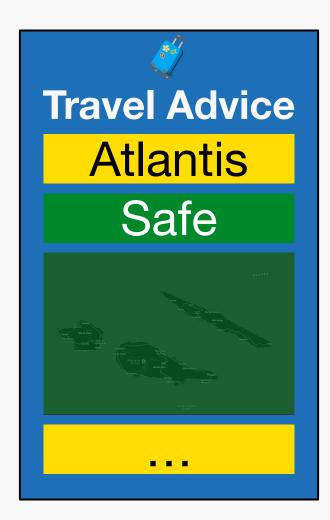
Zoltan Kollin



Good

"Do make me think"—prevent errors by making the process of committing errors longer and harder.







Review













Publish













Bad

"Don't make me think" milliseconds of re-interpreting a label, every redundant tap, that's micro-friction.



↑UX grammar. ↓ Friction.





Update



Change







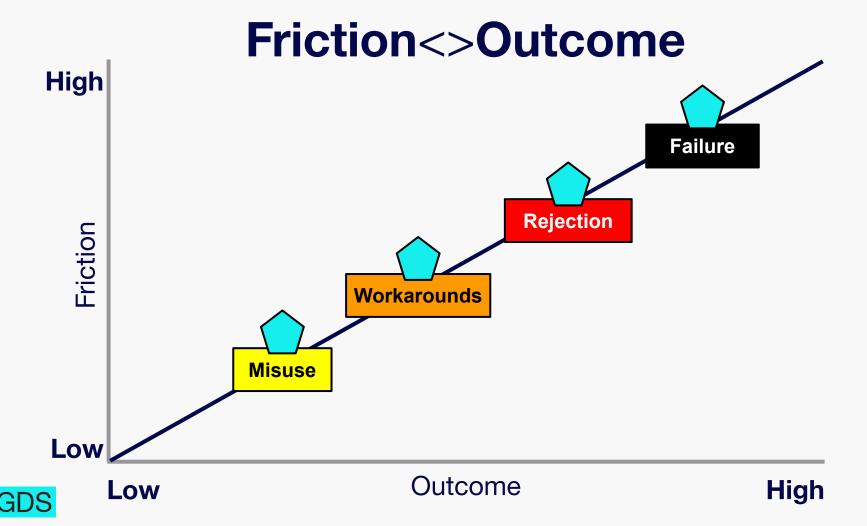


Modify

Ugly

tangible minor friction
today vs diffuse major friction
tomorrow.





Lens 7

Help vs Harm

Are there design ethics to consider and balance?



Accessible

Adaptable

Consistent



Cohesive

Efficient



Modular

Multichannel

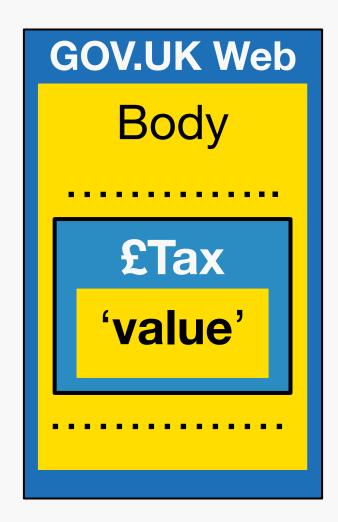


Robust



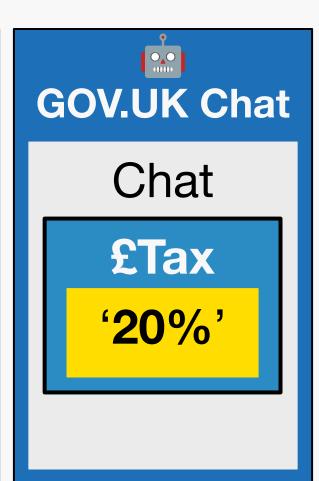
Scalable





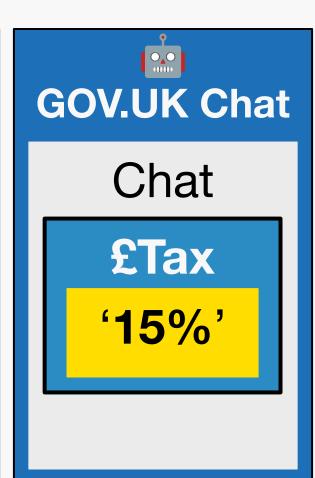




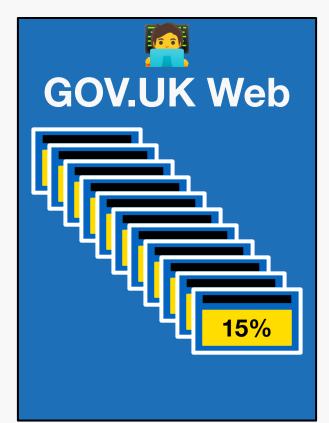


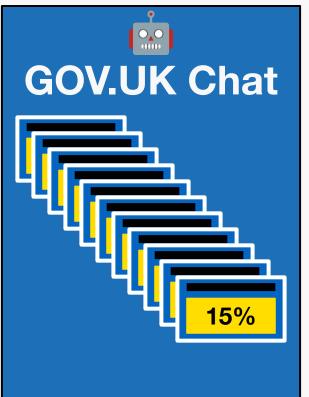


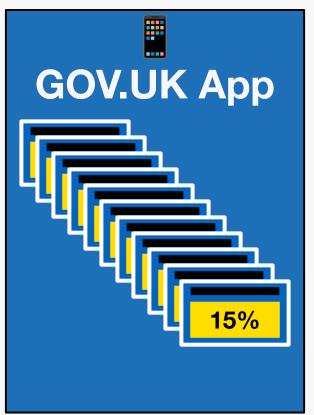




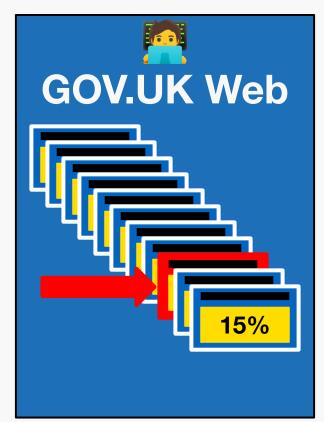


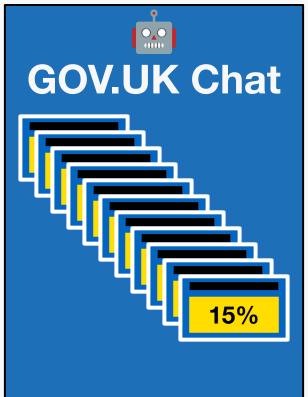


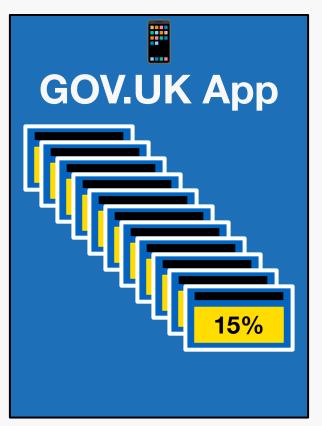
















Home > VAT

⇔ GOV.UK

VAT rates

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Some things are exempt from VAT, such as postage stamps, financial and property transactions.

"The standard rate of VAT increased to 20% on 4 January 2011 (from 17.5%)."

"The standard rate of VAT increased to 20% on 4 January 2011 (from 17.5%)."



(4)

"The standard rate of VAT increased to 15% on 4 January 2011 (from 17.5%)."



"The standard rate of VAT increased to 15% on 4 January 2011 (from 17.5%)."



Summary

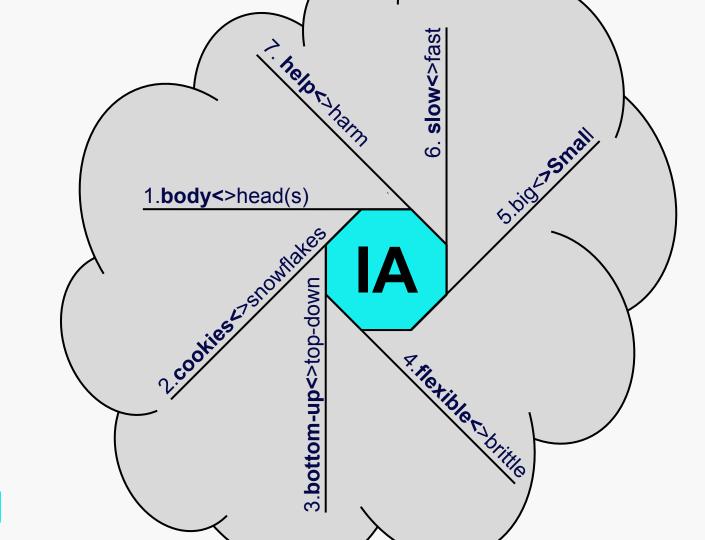




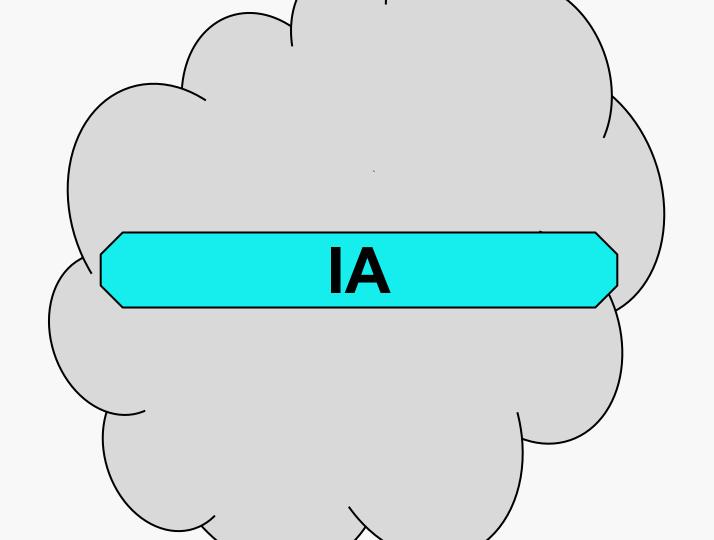
"With great [content design systems] comes great responsibility."

Voltaire

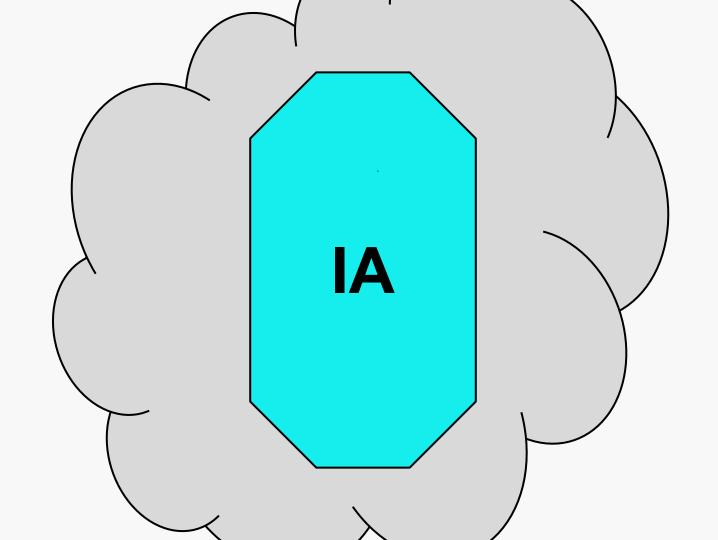




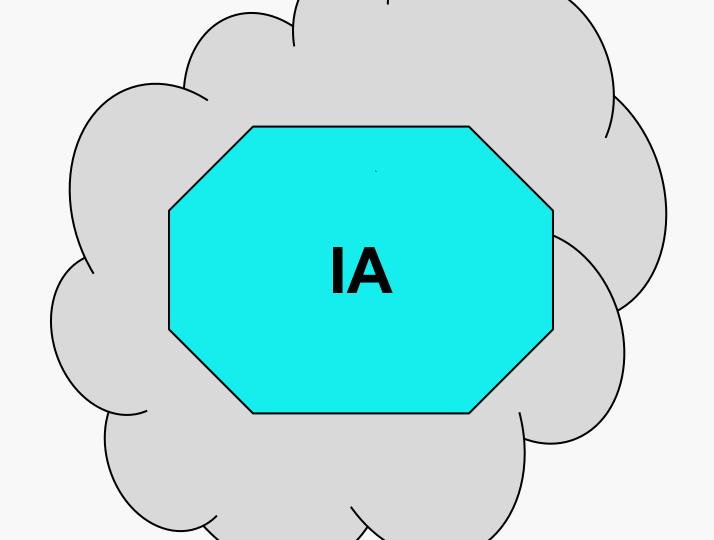




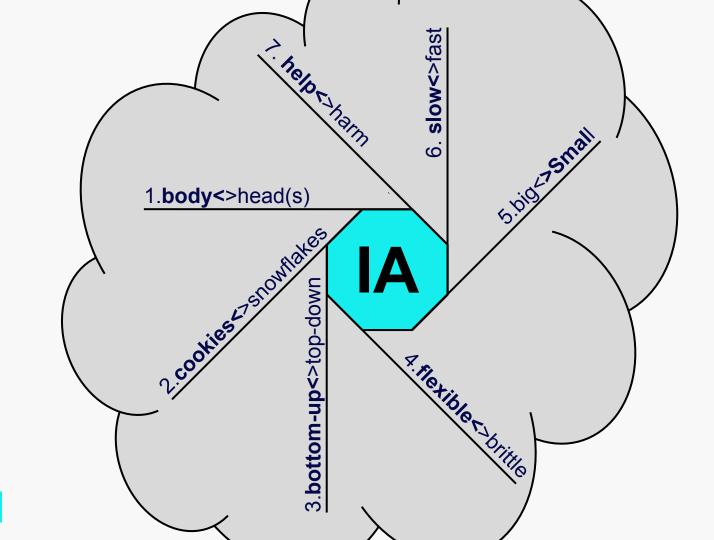




⇔GDS













Department for Science, Innovation & Technology

Rik Williams

Senior Information Architect Government Digital Service Inkedin.com/in/rikwilliams



Discussion

