

Patterns and Anti-Patterns for getting the most out of low code

Tom Styles

Chief Technology Officer



A photograph of a white rectangular card placed on a dark, textured wooden surface. The word "thanks!" is written on the card in a black, cursive script. To the right of the card, a black marker lies diagonally. The marker has white text that reads "Tombow ABT", "Acid Free", and "N15".

thanks!



Tech
Demo

Project
journey

Opinion



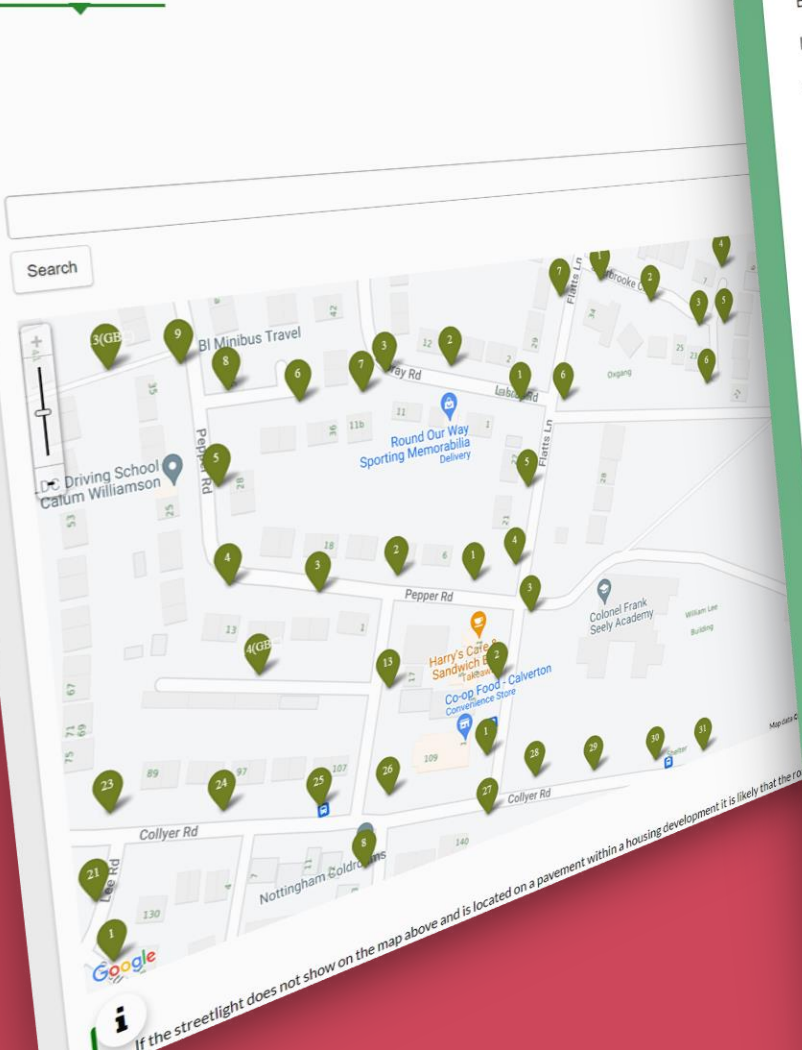
LocalGovDigital

Tues May 7th 11:00 1Hr

tailwind
digital

Report a streetlight defect

Streetlight details



Overview Detailed results Divisions Districts

Calverton

Result announced Friday, May 7, 2021 12:34 PM

Turnout 39.7 %

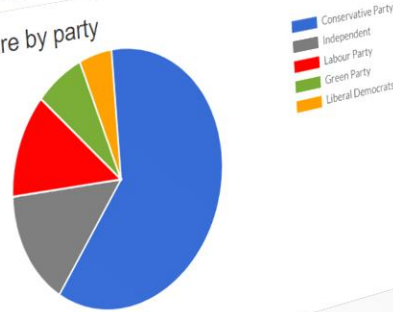
Electorate 10398

Issued ballot papers 4131

Spoilt ballot papers 31

Elected Candidate	Party
Boyd Bryan Elliott	The Conservative and Unionist Party

Vote share by party



Candidates

Name	Party
Boyd Bryan Elliott	The Conservative and Unionist Party
Mike Hope	Independent
Sabbir Hossain	Labour Party
Nicholas Richard Blinston	Green Party
Maggie Dunkin	Liberal Democrat

Votes by candidate



Abbey Gates Primary

DFES Number: 2788

Area: Gedling

School type

Phase: Primary School

Ages: 4 - 11

Contact details

Address:

Abbey Gates Primary School,
Vernon Crescent,
Ravenshead,
NOTTINGHAM,
NG15 9BN

Telephone: 01623 461010

Email: office@agps.org.uk

Website: [Visit School Website](http://www.agps.org.uk)

Further information

- OFSTED report for Abbey Gates Primary.
- [View school meal menu](#)

How places were allocated on National Offer Day

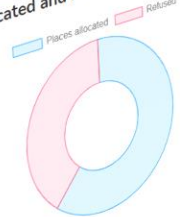
Find out about how places have been allocated in the past three years to this school. Please use the relevant information box if you are unsure what the field means and the number relates to.

2020-21

Allocation data

Admission number	30
Number of applications	101
Places allocated	30
Refused	19
Alternative Offer	0
Not required	52
Distance last place allocated	0.59
Allocation health and care plan (EHCP)	0

Places allocated and refused at a glance



List of admissions by criteria

Criteria 1:	2
Criteria 3:	9
Criteria 4:	19



Public Sector | Digital | Innovation | Agile | Data



Comhairle Ceantair
Lár Uladh
Mid Ulster
District Council



Dorset
Council



**Westmorland
& Furness
Council**



**Tewkesbury
Borough Council**



**Nottinghamshire
County Council**

 **tailwind**
digital



Firmstep

Patterns

&

Antipatterns?!

Patterns:

Common approaches to
common problems

Pattern

Antipattern

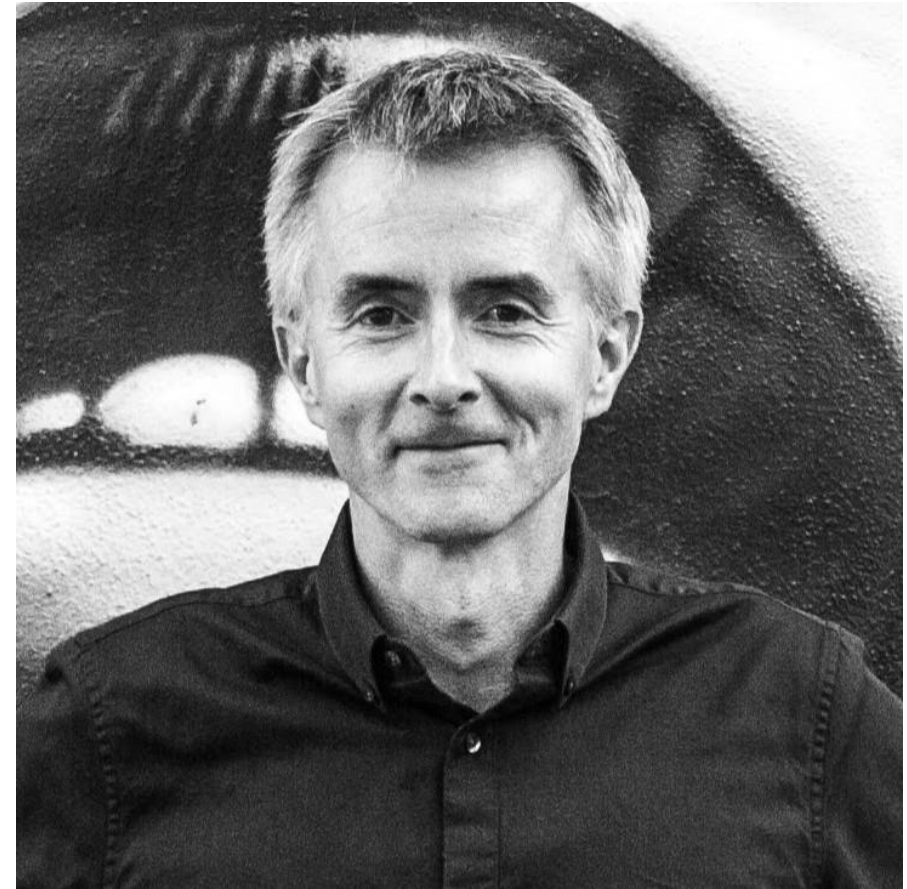
*An antipattern is just like a pattern,
except that instead of a solution it
gives something that looks
superficially like a solution but isn't
one.*

– Andrew Koenig

SOONER ANTIPATTERNS AND PATTERNS SAFER FOR BUSINESS AGILITY HAPPIER

Jonathan Smart
with Zsolt Berend,
Myles Ogilvie
and Simon Rohrer

"*Sooner Safer Happier* is a must-read for any business leader looking to succeed in the digital age."
—David Silverman,
Co-Author of *Team of Teams*



[Better Value Sooner Safer Happier - Jon Smart \(youtube.com\)](https://www.youtube.com/watch?v=...)

Antipattern

headwind

Pattern



Low Code?

Digital Forms

Workflow

Integration with
other systems

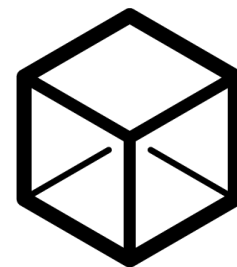
Communication
or messaging

Mostly without
writing any code

 **NETCALL**

 **GRANICUS**

 **mendix**

 **PLACECUBE**

 **ieg4**

MERITEC
GOSS

JADU

 **outsystems**

 **NDL**

VERINT.

Team Structures

Antipattern

Low code platform
belongs to ICT

Antipattern

ICT has nothing to
do with low code

Antipattern

Separate low code
dev teams for web
and contact centre

Antipattern

Separate directorates
for web and contact
centre

Pattern Small Council

Single, permanent,
multi-channel team

Pattern Larger Council

Multiple permanent
multi-channel
teams

Skill Sets

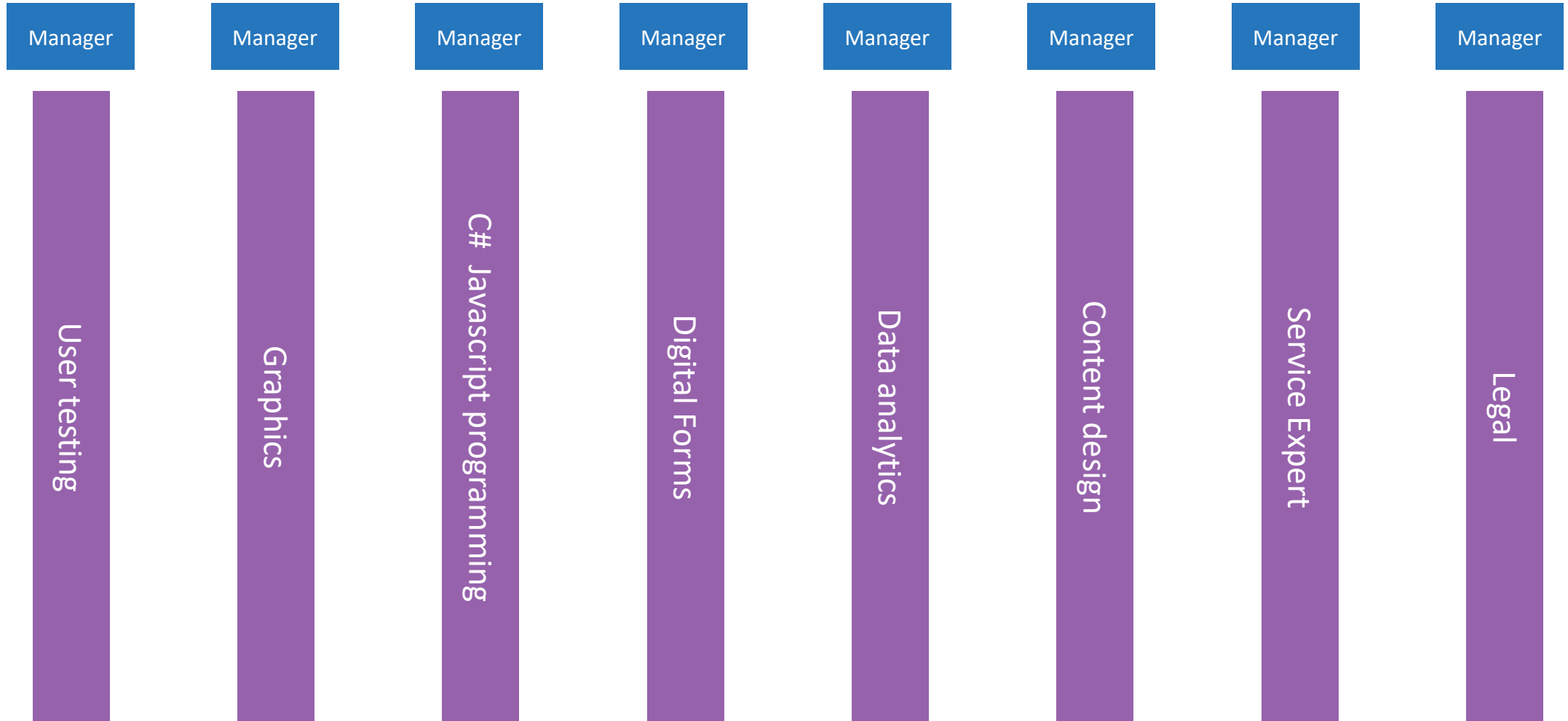
Antipattern

Skill based silos

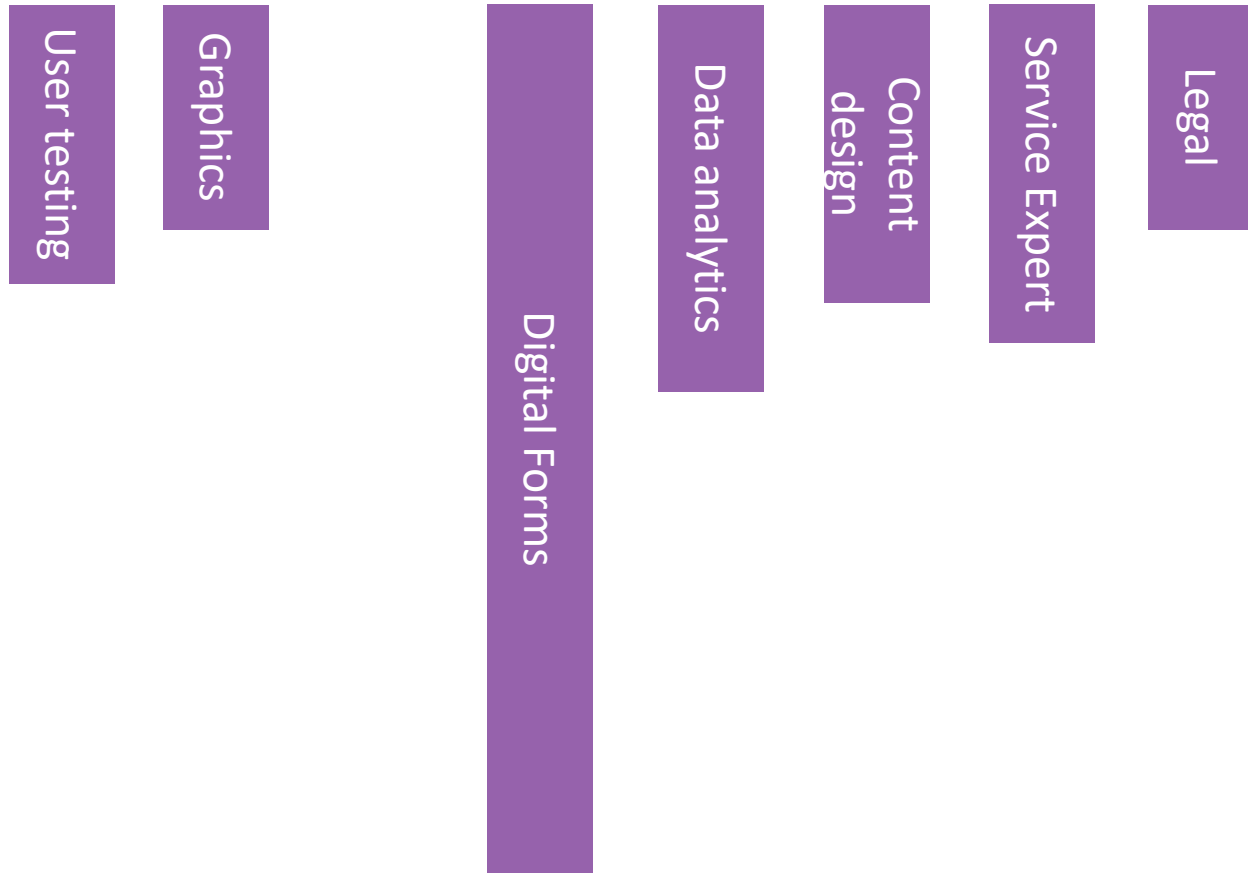
Pattern

Multidisciplinary
teams — paint drip
shaped people

Skills in silos

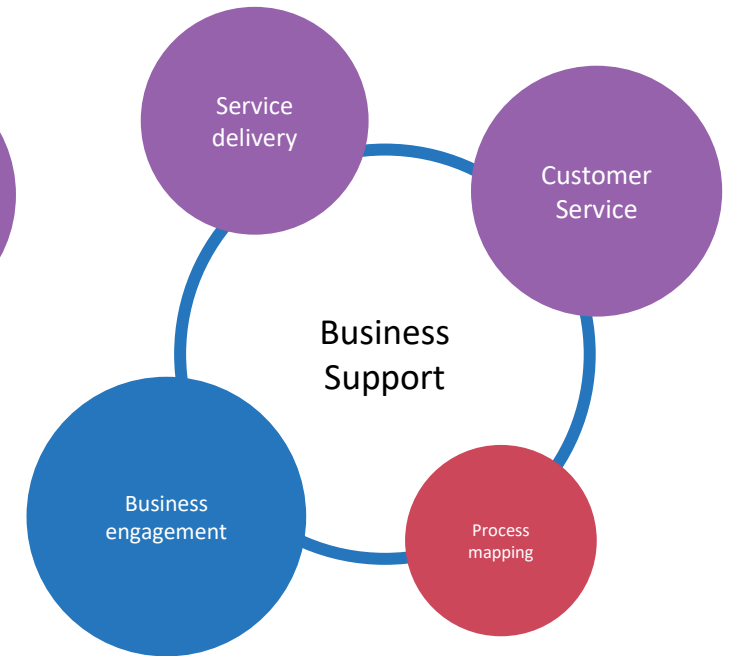
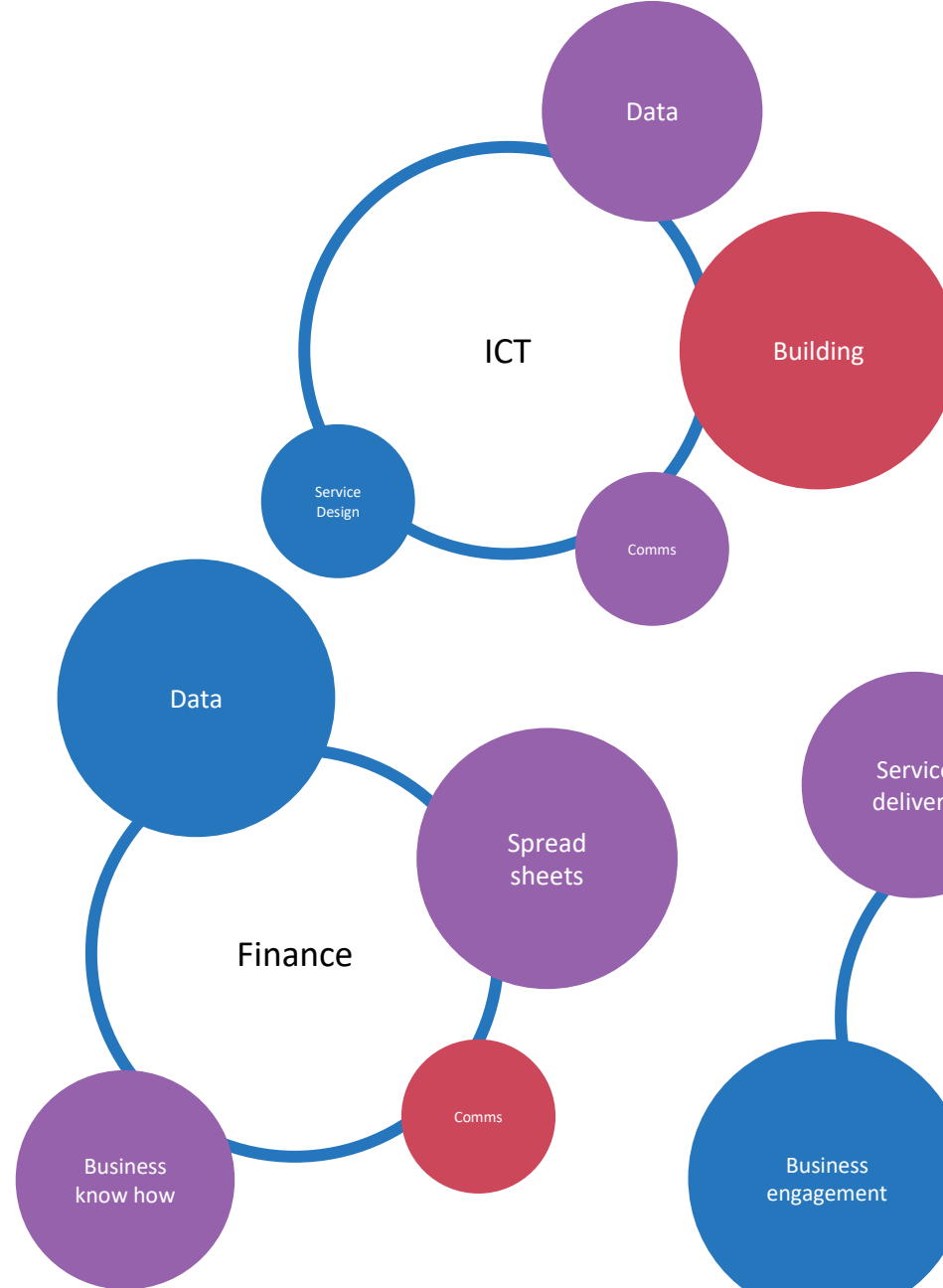
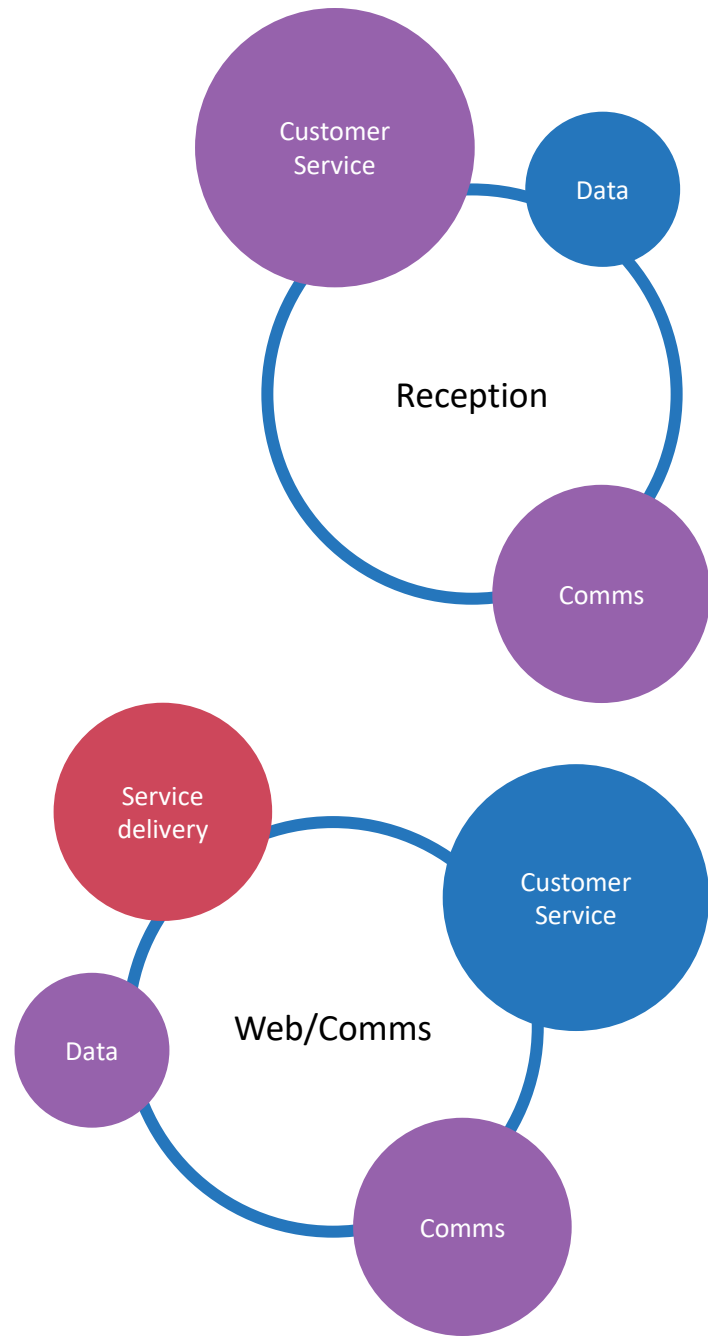


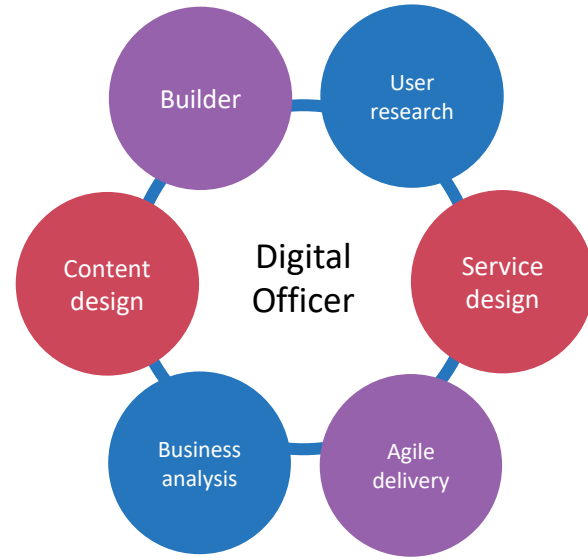
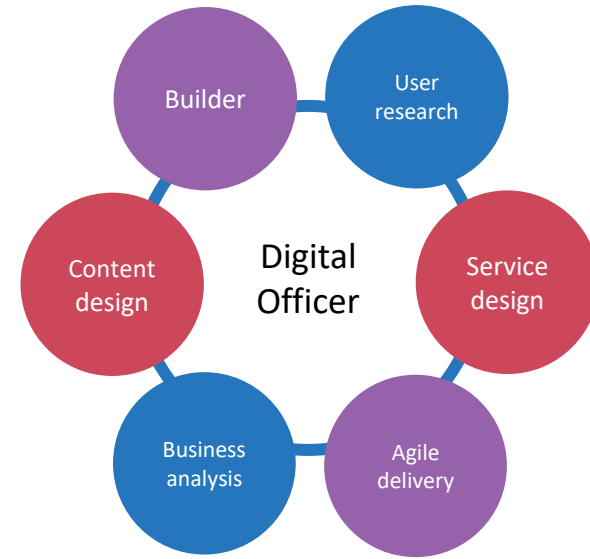
Paint drip shaped people



Paint drip shaped people







Antipattern

Believing the low
code hype

Pattern

Select your team
careful, grow them into
rounded digital
professionals





Use Excel to work out the monthly interest payments on a £120,000 loan over 10 years at a rate of 4.5%

Customers

Antipattern

Focus on
organisational
efficiency

Pattern

Focus user needs

Sustainability

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Single developer
builds each process

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Don't worry about
old processes and
forms

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Handing over support
responsibility to the
ICT service desk

Pattern

The rule of four
eyes

Pattern

Build it : Run it

Pattern

Minimum viable
documentation

Solution Choice

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Building everything
in your low code
platform

Pattern

Choose wisely
what you build and
what you buy

Over Engineering

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High code in the
low code platform

Pattern

Use extension points
to move functionality
into separate systems

Standards

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Every form is a
unique snowflake

Pattern

Adopt and embrace
standard ways of
building functionality

Agile Delivery

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Project ends when
the form goes live

Pattern

Get the MVP live
and use data and
feedback to iterate

Continuous Improvement

Antipattern

Forms never
change

Pattern

Build feedback loops
from online users and
contact centre staff

Conclusion

Photos





Chief Technology Officer

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