



Over-Engineering: The hidden monster

NextBuild 2018

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Developing for 14 years

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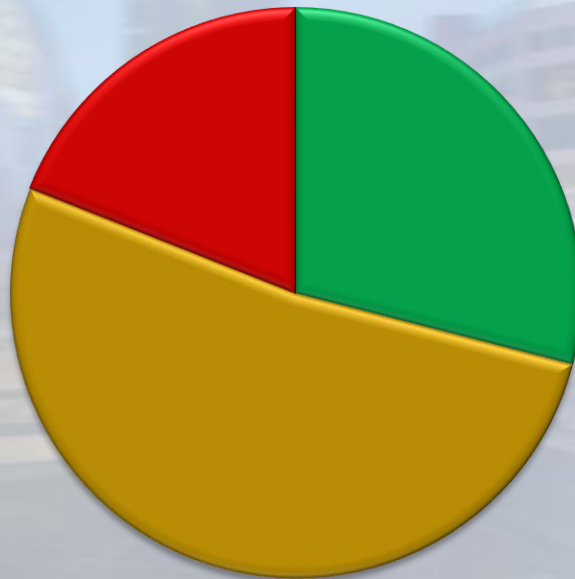
Part 1



// Todo: Monster behind a rock

So we fail...

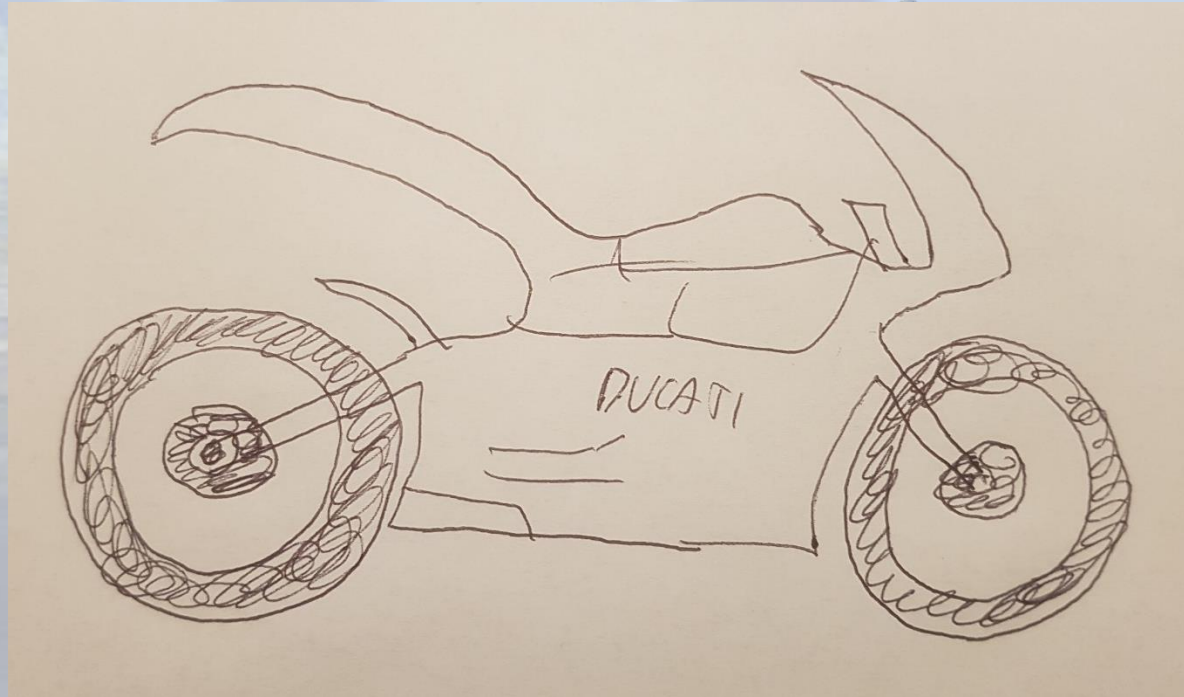
Success Rate in Software Projects



■ Successful ■ Challenged ■ Failed

Over-Engineering

Over-complicating things...



Effect of Over-Engineering



Part 2

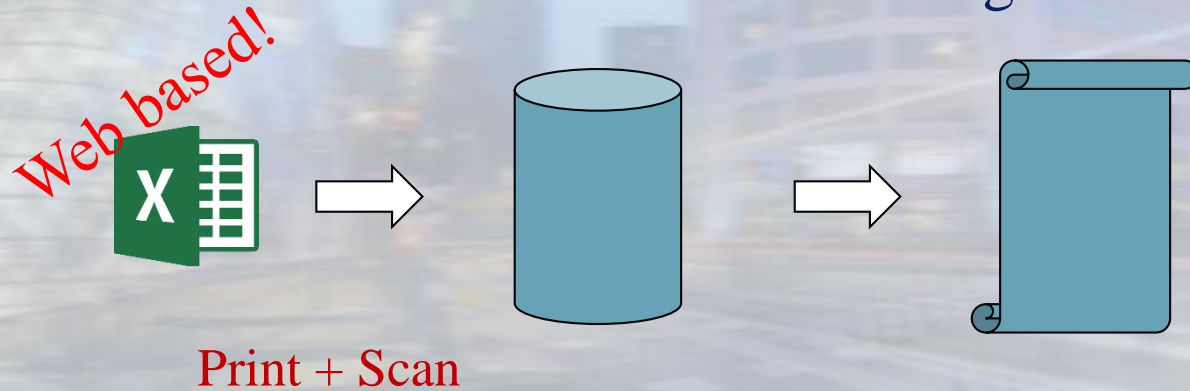


Re-inventing the wheel

Data collection form

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
2	Lorem ipsum		Lorem ipsum	Lorem ipsum	Lorem ipsum	Lorem ipsum			Lorem ipsum			Lorem ipsum			Lorem	Ipsum	Lorem ipsum	Lorem ipsum	Lorem ips
3						Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem			
4	Lorem ipsum																		
5	Lorem ipsum	Lorem			0														0
6		Ipsum			0														0
7		Dolor			0										6	900	6	5400	0
8	Lorem ipsum	Lorem			0														0
9		Ipsum			0														0
10		Dolor			0										6	1000	6	6000	0
11	Lorem ipsum	Lorem			0														0
12		Ipsum			0														0
13		Dolor	11	2500	27500				7	2950	20650								0
14	Lorem ipsum	Lorem			0														0
15		Ipsum			0														0
16		Dolor	4	2200	8800														0
17	Lorem ipsum	Lorem			0														0
18		Ipsum			0														0
19		Dolor			0												3000	4	12000
20	Lorem ipsum	Lorem			0														0
21		Ipsum			0														0
22		Dolor	26	2300	59800				5	1650	8250						2300	25	57500
23	Lorem ipsum	Lorem			0														0
24		Ipsum			0														0
25		Dolor			0														0
26	Lorem ipsum	Lorem	0		0	0		0	0		0	0		0	0	0		0	0
27		Ipsum	0		0	0		0	0		0	0		0	0	0		0	0
28		Dolor	41		96100	0		0	12		28900	0		0	0	12		41	80900
29	Lorem ipsum																		
30	Lorem ipsum				0														0
31	Lorem ipsum				0														0
32	Lorem ipsum				0														0

Ideal flow



The web-based wheel!

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
2	Lorem ipsum		Lorem ipsum	Lorem ipsum	Lorem ipsum	Lorem ipsum			Lorem ipsum			Lorem ipsum			Lorem	Ipsum	Lorem ipsum		Lorem ips
3	Lorem ipsum					Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem	Lorem		Lorem ipsum	Lorem ipsum
4	Lorem ipsum																		
5	Lorem ipsum	Lorem			0														0
6		Ipsum			0														0
7		Dolor			0										6		900	6	5400
8	Lorem ipsum	Lorem			0														0
9		Ipsum			0														0
10		Dolor			0										6		1000	6	6000
11	Lorem ipsum	Lorem			0														0
12		Ipsum			0														0
13		Dolor	11	2500	27500				7	2950	20650								0
14	Lorem ipsum	Lorem			0														0
15		Ipsum			0														0
16		Dolor	4	2200	8800														0
17	Lorem ipsum	Lorem			0														0
18		Ipsum			0														0
19		Dolor			0												3000	4	12000
20	Lorem ipsum	Lorem			0														0
21		Ipsum			0														0
22		Dolor	26	2300	59800				5	1650	8250						2300	25	57500
23	Lorem ipsum	Lorem			0														0
24		Ipsum			0														0
25		Dolor			0														0
26	Lorem ipsum	Lorem	0		0	0		0	0		0	0		0	0	0		0	0
27		Ipsum	0		0	0		0	0		0	0		0	0	0		0	0
28		Dolor	41		96100	0		0	12		28900	0		0	0	12		41	80900
29	Lorem ipsum																		
30	Lorem ipsum				0														0
31	Lorem ipsum				0														0
32	Lorem ipsum				0														0

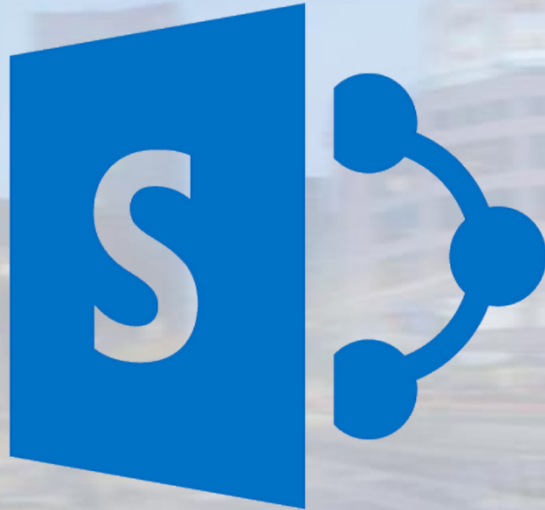
Effort vs. Value

Feature	Effort %	Value %
Web-based excel	70	0
Scanning	15	5
BI	15	95

Lessons Learned

- Negotiate the requirements
- Focus less on your CV!
- PM: Is it possible? Dev: Yes, but...

Part 3



Out of the “box”

How to Downgrade Your OOB

Page Title:

Welcome to Patagonia

Description:

Patagonia is such a cool place with rivers and mountains blah blah

Theme:

Light

Update

Contoso African Safari - Windows Internet Explorer

http://adventuredemo/sites/docs/Documents/Forms/Sales%20Proposal/docsethomepage.aspx?ID=73&Folder=...

Contoso African Safari

Quentin Christensen

Library Tools: Documents Library Manage

Site Actions: Edit Properties Permissions Delete E-mail a Link Send To Capture Version Workflows

Libraries: Documents Lists Tasks Recycle Bin All Site Content

Contoso African Safari

This 7 week African photo safari is for the Executive Leadership Team of Contoso. 3 days will be spent in Kenya, 2 days in Zimbabwe, and 2 days in South Africa. 12 People from Contoso will be going and Adventure Works is managing all aspects of the trip including airfare, meals, equipment, and guides.

Account Name: Contoso
Manufacturers: Camp Time
Pitch Date: 1/21/2010 10:00 AM
Products: Backpacking Tents
Sales Consultant: Bob Johnson

[View All Properties](#)
[Edit Properties](#)

Type	Name	Modified	Modified By	Manufacturers	Products
	Contoso African Safari - Sales Brochure	12/14/2009 1:54 PM	Bob Johnson	Camp Time	Backpacking Tents
	Contoso African Safari - Sales Contract	12/14/2009 1:46 PM	Bob Johnson	Camp Time	Backpacking Tents
	Contoso African Safari - Sales Presentation	12/14/2009 1:54 PM	Bob Johnson	Camp Time	Backpacking Tents

Note Board

[Previous](#) | [Next](#)

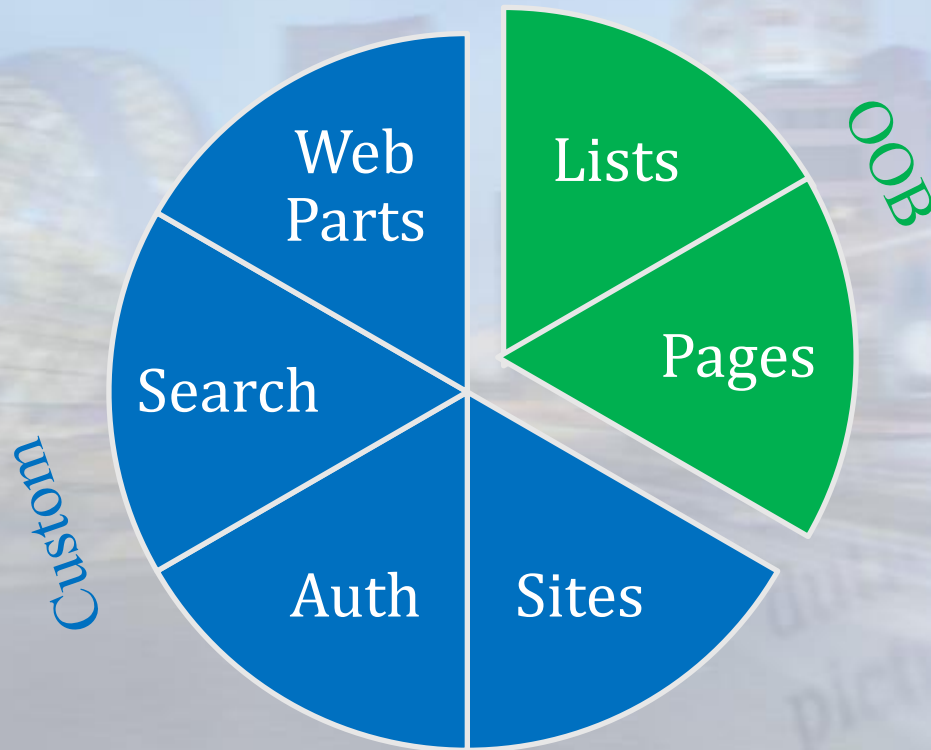
Bob Johnson 12/14/2009 1:52 PM
The sales contract is looking good but our presentation needs a lot of work. We need some great images and collateral to show how fun this trip is.

[Delete](#)

[Post](#)

Local intranet | Protected Mode: Off

SharePoint 2010 Core Features



Lessons Learned

- KISS
- Why OOB?
- Custom code for OOB takes much more time than custom dev

Part 4



Good, Bad & Ugly

Ugly

- Playground for patterns
- Too complicated
- Keeping legacy for too long

Good / not harmful

- Refactoring while adding new features
- Testable code (even for Demo / PoC)
- Handle edge cases

QA



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