

OPEN SOURCE NORTH

**DRAMA-FREE DECISIONS IN SOFTWARE
DEVELOPMENT TEAMS**

DRAMA

SOFTWARE DEVELOPMENT

VS

HIGH SCHOOL

DECISIONS



BETTER DECISIONS WITHOUT DRAMA

- ▶ Simple improvements to team decision making
- ▶ Make different decisions
- ▶ Pro tools
- ▶ People params (and how to factor them in)

SIMPLE IMPROVEMENTS

TO TEAM DECISION MAKING

SIMPLE IMPROVEMENTS

- ▶ Admit it (team is making a decision)

SIMPLE IMPROVEMENTS

- ▶ Separate brainstorming and deciding

SIMPLE IMPROVEMENTS

- ▶ Get ideas down on paper (early and often)

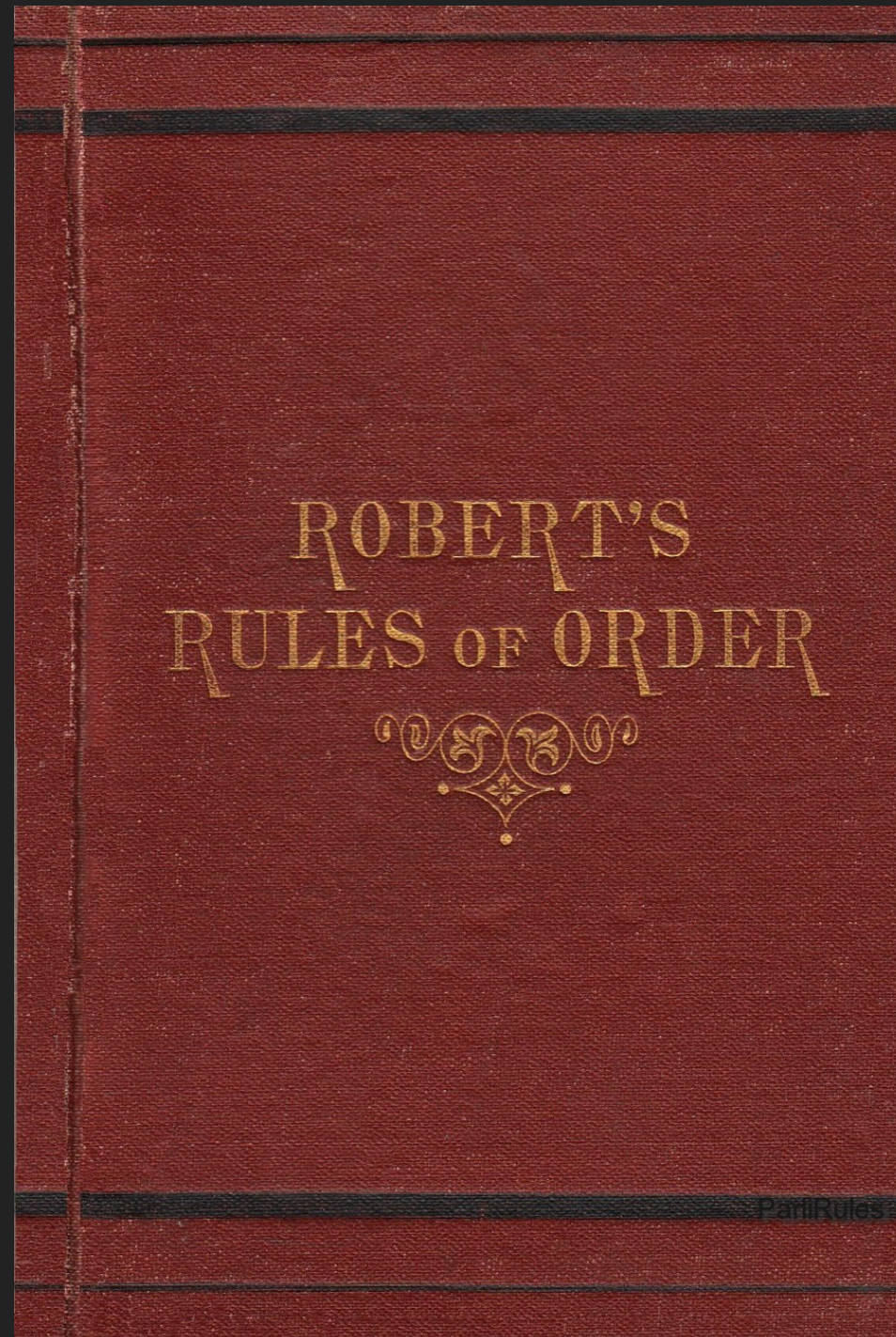
SIMPLE IMPROVEMENTS

- ▶ Confirm criteria

SIMPLE IMPROVEMENTS

- ▶ WRITE DOWN THE DECISION

DOCUMENT THE DECISION



SIMPLE IMPROVEMENTS

- ▶ Admit it (team is making a decision)
- ▶ Separate brainstorming and deciding
- ▶ Get ideas on paper (early and often)
- ▶ Confirm criteria
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**MAKE DIFFERENT
DECISIONS**

MAKE DIFFERENT DECISIONS

▶ small > big

MAKE DIFFERENT DECISIONS

- ▶ less better than more

MAKE DIFFERENT DECISIONS

- ▶ kick the can

MAKE DIFFERENT DECISIONS

▶ data decisions

MAKE DIFFERENT DECISIONS

- ▶ small > big
- ▶ less better than more
- ▶ kick the can
- ▶ data decisions

PRO TOOLS

PRO TOOLS

- ▶ Pugh matrix

PUGH MATRIX

Presentation Layer Concept Selection Matrix

Criteria	Weight	Existing Implementation (Baseline)		Single-page Concept (HTML5+AngularJS)		Refactored JSP Concept	
		Score	Result	Score	Result	Score	Result
Voice of User							
Responsive Design (phone/desktop)	High	Same	0	Better	3	Same	0
Responsiveness	Critical	Same	0	Better	4	Same	0
Enhance User Productivity	Medium	Same	0	Same	0	Same	0
Competitive User Experience	Critical	Same	0	Better	4	Same	0
Personalizable Experience	Medium	Same	0	Same	0	Same	0
Simple Installation	Critical	Same	0	Same	0	Same	0
Responsive Design (phone/desktop)	High	Same	0	Better	3	Same	0
Voice of Business							
Customization	Medium	Same	0	Better	2	Better	2
Allows Specialized UI Component Devs	Critical	Same	0	Better	4	Better	4

PUGH MATRIX

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Voice of Business							
Customization	Medium	Same	0	Better	2	Better	2
Allows Specialized UI Component Devs	Critical	Same	0	Better	4	Better	4
Ability to Outsource	Medium	Same	0	Better	2	Better	2
Skills Availability - In House	Medium	Same	0	Worse	-2	Better	2
Skills Availability - Marketplace	High	Same	0	Better	3	Same	0
Opportunity Cost	Medium	Same	0	Better	2	Same	0
Time-to-Value	Medium	Same	0	Same	0	Same	0
Implementation Time	High	Same	0	Worse	-3	Worse	-3
Ability to Integrate External Services	Medium	Same	0	Better	2	Same	0
Voice of Technology							
Coupling	High	Same	0	Better	3	Same	0
Cohesion	High	Same	0	Better	3	Better	3
Development Velocity	High	Same	0	Same	0	Same	0
Technology Longevity (View)	Medium	Same	0	Same	0	Same	0
Technology Longevity (Controller)	High	Same	0	Same	0	Same	0
Internationalization/Localization	High	Same	0	Better	3	Same	0
Learning Curve for New Developers	Low	Same	0	Worse	-1	Same	0
Migration from existing UI	High	Same	0	Same	0	Better	3
Scalability - Memory Usage	Low	Same	0	Better	1	Same	0
Scalability - Server Utilization	Medium	Same	0	Better	2	Same	0
Testability - API	High	Same	0	Better	3	Same	0
Testability - UI	High	Same	0	Same	0	Same	0
Testability - Internal	Low			Worse	-1	Same	0
Securability	Critical			Same	0	Same	0
		0		37		13	
		Same		Better		Better	

PRO TOOLS

► DIY

PRO TOOLS

- ▶ The great debate

PRO TOOLS

► Lock in

PRO TOOLS

- ▶ Pugh matrix
- ▶ DIY
- ▶ The big debate
- ▶ Lock in

PEOPLE PARAMS

(AND HOW TO FACTOR THEM IN)

PEOPLE PARAMS

▶ CliftonStrengths

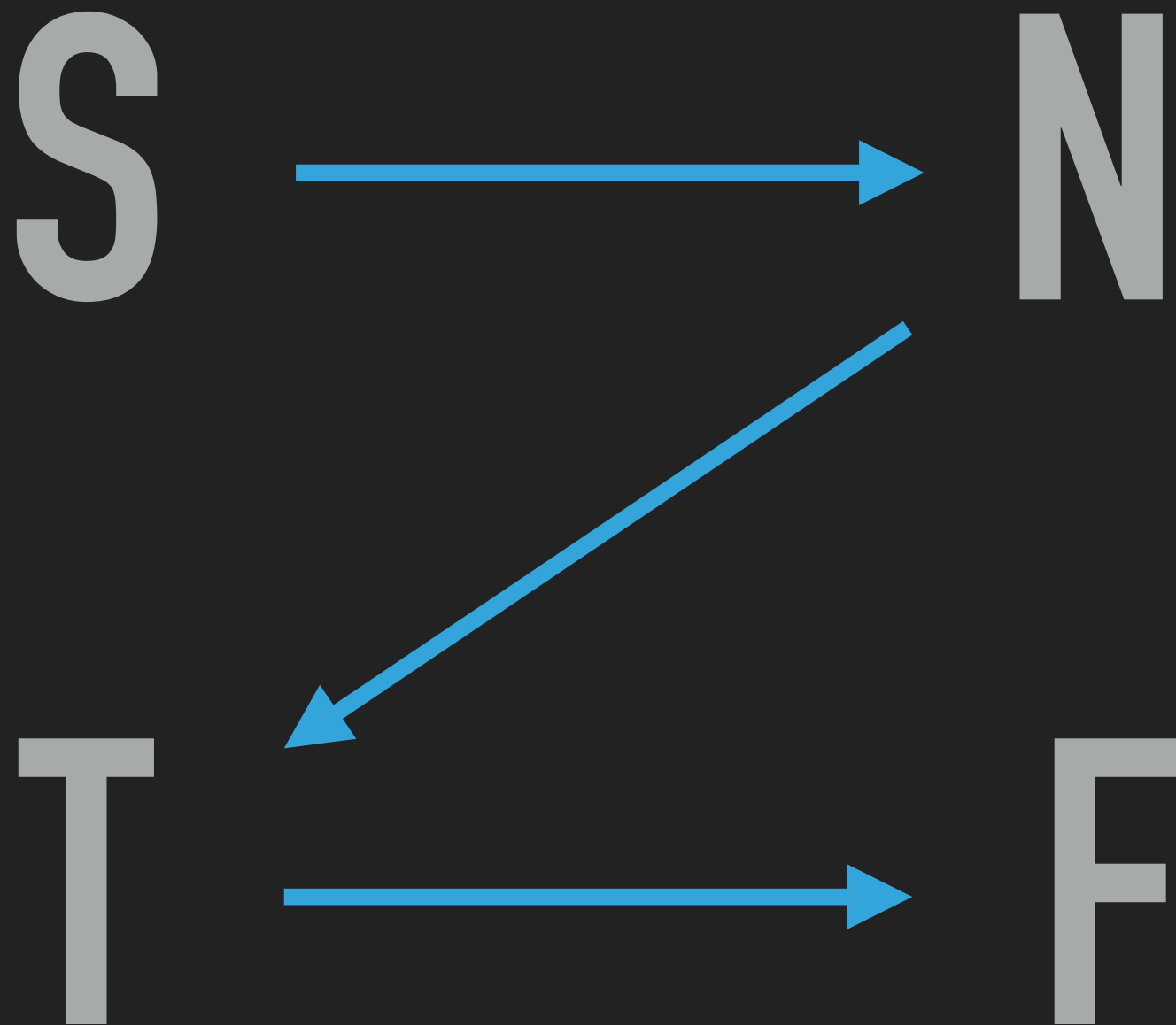
CLIFTONSTRENGTHS

	EXECUTING									INFLUENCING							RELATIONSHIP BUILDING								STRATEGIC THINKING									
Team Members	Achiever	Arranger	Belief	Consistency	Deliberative	Discipline	Focus	Responsibility	Restorative	Activator	Command	Communication	Competition	Maximizer	Self-Assurance	Significance	Woo	Adaptability	Connectedness	Developer	Empathy	Harmony	Includer	Individualization	Positivity	Relator	Analytical	Context	Futuristic	Ideation	Input	Intellection	Learner	Strategic
Dale Cooper	3											4					1	5					2											
Audrey Horne	5	3										1					4													2				
Harry S Truman		3						2											4	5				1										
Log Lady												2					1								5				4				3	
Leland Palmer			4					3	1											2											5			
Lucy Moran		3							5	3																2							1	
Pete Martell					1								2	3	5														4					
Norma Jennings	3		4					2																			5							1

PEOPLE PARAMS

- ▶ Myers Briggs - Zig Zag

MYERS BRIGGS – ZIG ZAG



PEOPLE PARAMS

► You

PEOPLE PARAMS

- ▶ You
 - ▶ Always, always be respectful

PEOPLE PARAMS

▶ You

▶ be wrong

PEOPLE PARAMS

▶ You

▶ change your mind

PEOPLE PARAMS

▶ You

▶ avoid emotional appeals

PEOPLE PARAMS

- ▶ CliftonStrengths
- ▶ Myers Briggs - Zig Zag
- ▶ You
 - ▶ Always, always be respectful
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 - ▶ avoid emotional appeals

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THANK YOU!