



My Our Agile Pursuit of Happyness

Senthilkumar Gopal
@sengopal

ebay

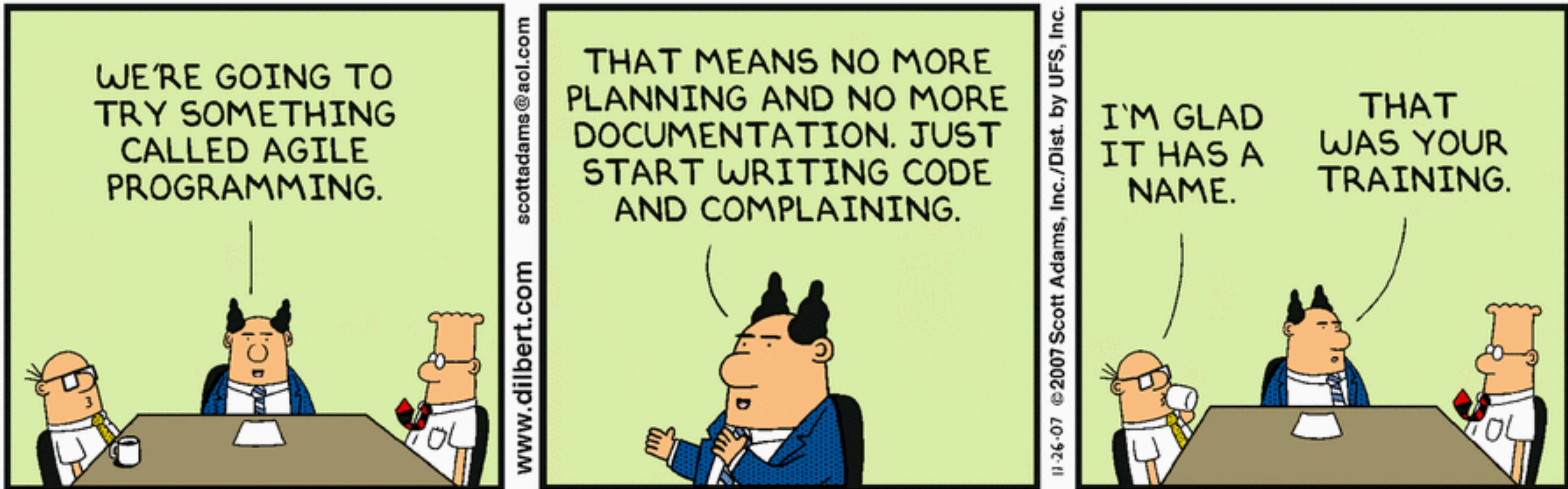
Every team is unique

Are you an “expert”?

“An **expert** tells you a simple thing
in a **confused** way
as to make you think
the confusion is **your own fault.**”

– William Castle

Day 0 - Training



Transformation



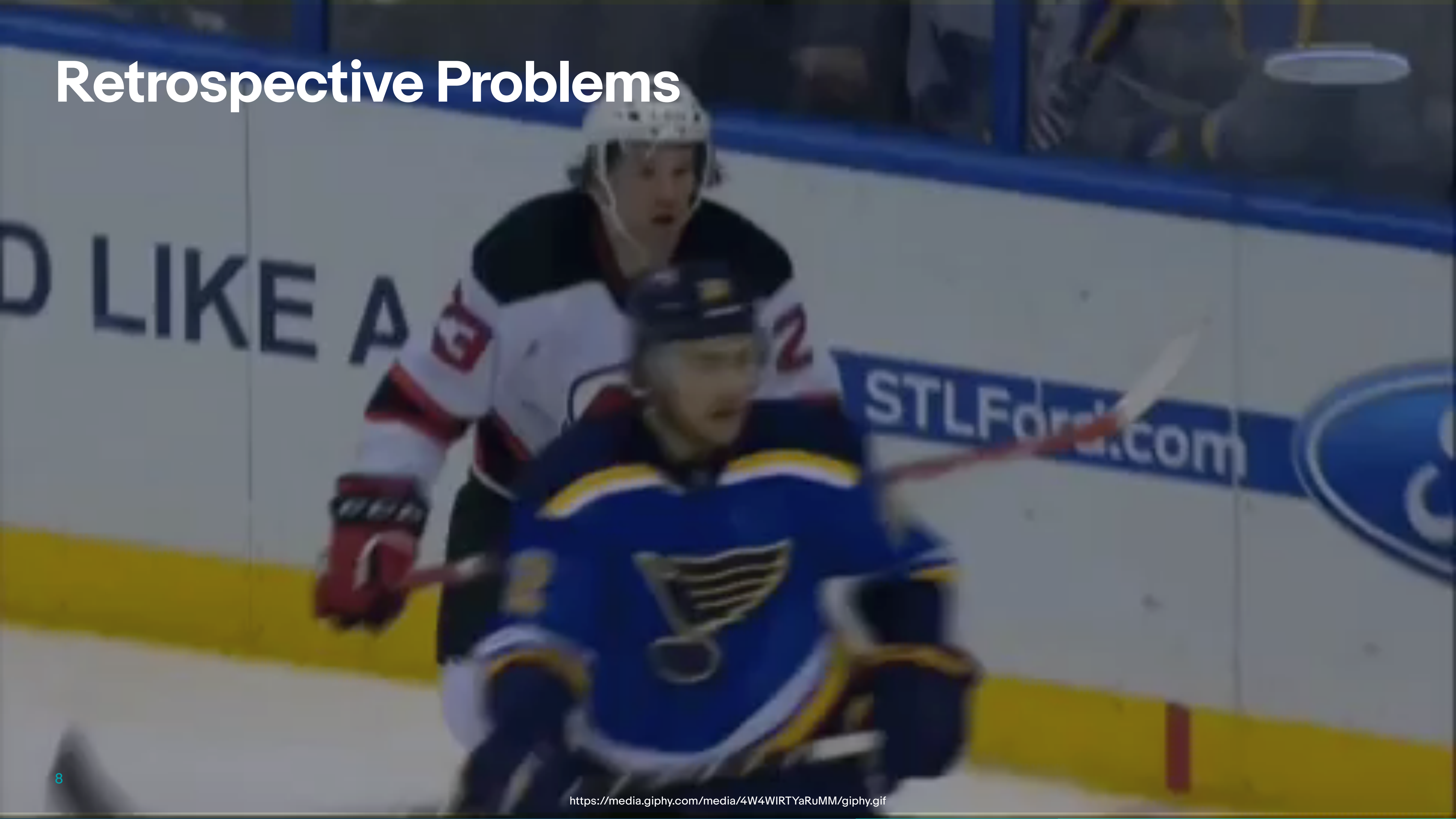
Day 1 - Diving into the deep end





Day 2 - Chaos

Retrospective Problems

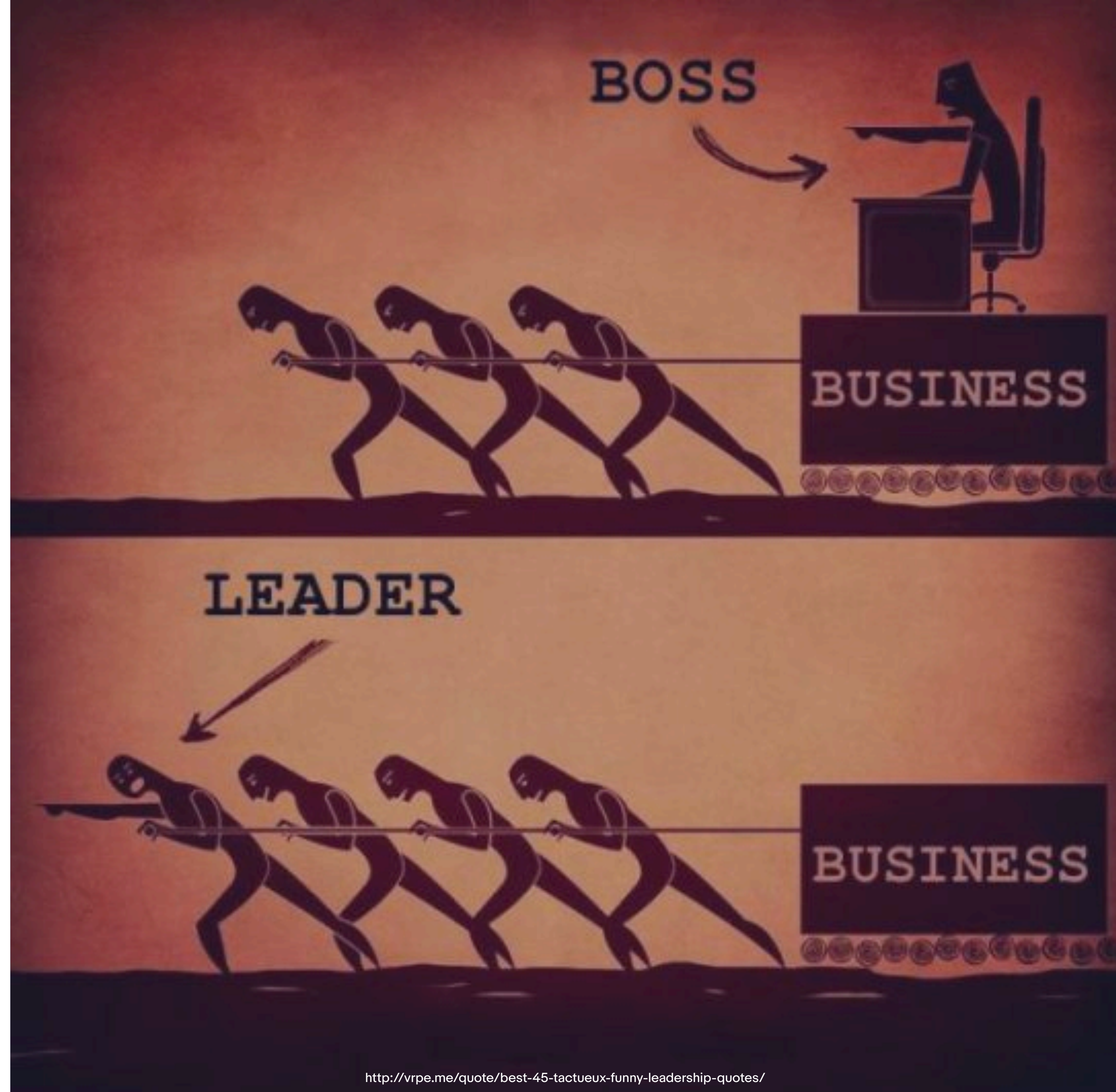


Begins with you

Be a **Rock**.

Be **Vulnerable**.

Be the **bad guy**.



— Being a leader

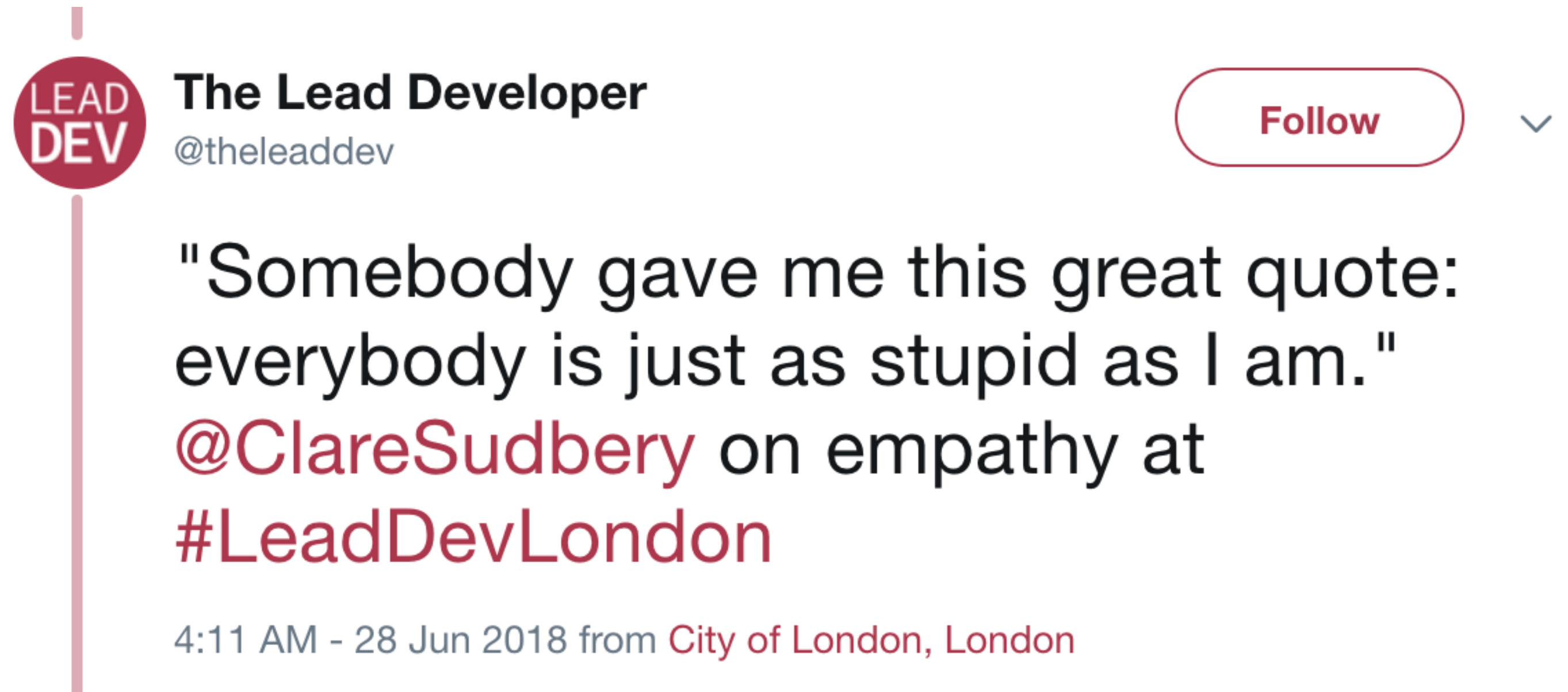
Being a leader - A Leader with no title

No-one is special.

Empathy.

Everyone is special.

Not Equal, but **Equivalent**.



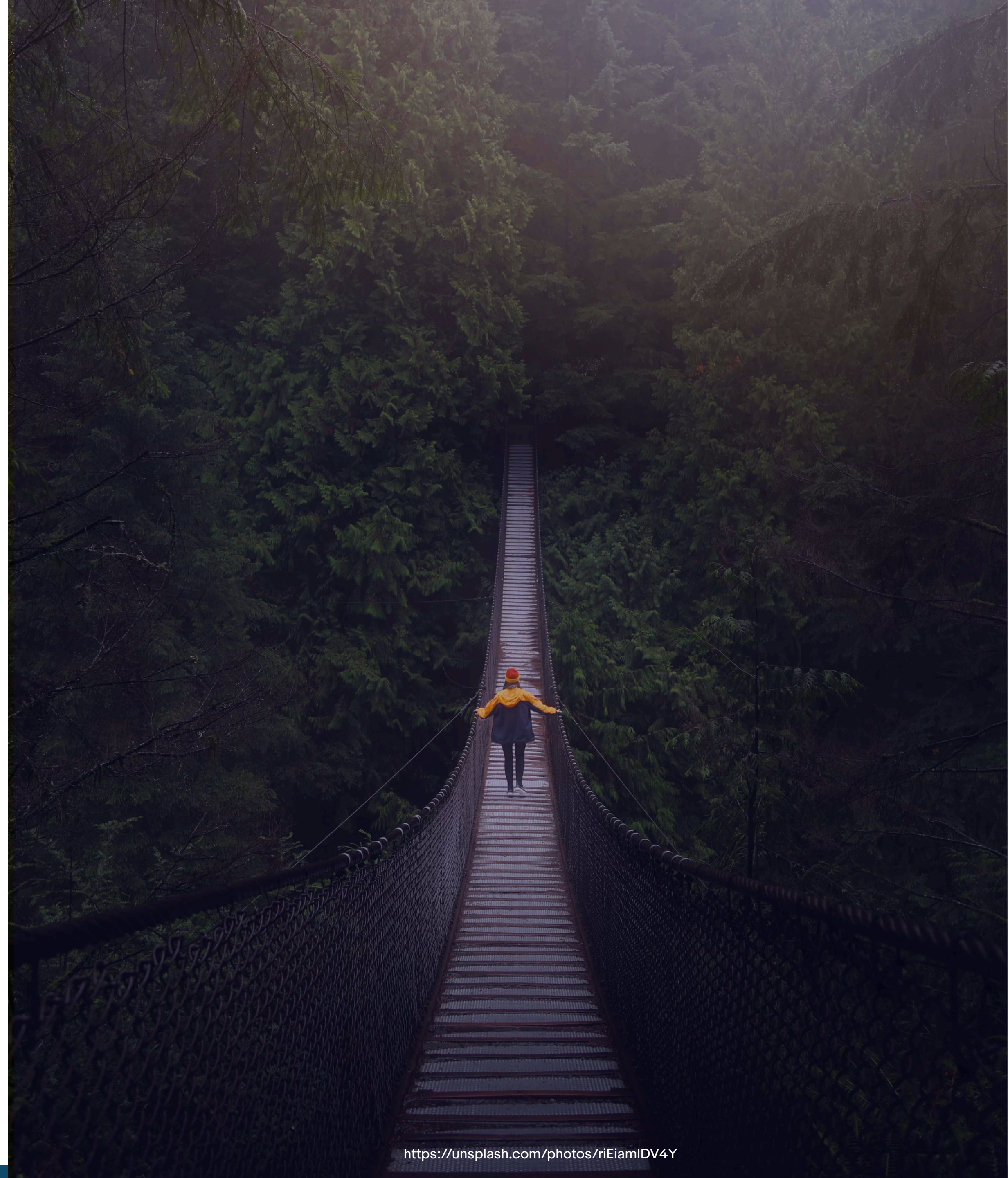
Path not goalpost

“Kids **Team** don’t listen, but **watch**”

Question Everything.

With **Confidence**.

Being **Confused** is ok.



Remember how you started?





How we built a “Happy” team?

Identity Crisis

Create
your
Own Identity.



Identity crisis.

Trust instead of Control

Plan Early.

Trust to do the “right” thing.

Foster conflicts.

Feedback.

Predictability

Predictable hours.

New skills.

Personal Growth.

Celebrate wins.





Avoid

Avoid Meetings

Rome did not create a great empire
by having meetings,
they did it by killing all those
who opposed them.

- *Anonymous*

No Invites.

“Office” Hours.

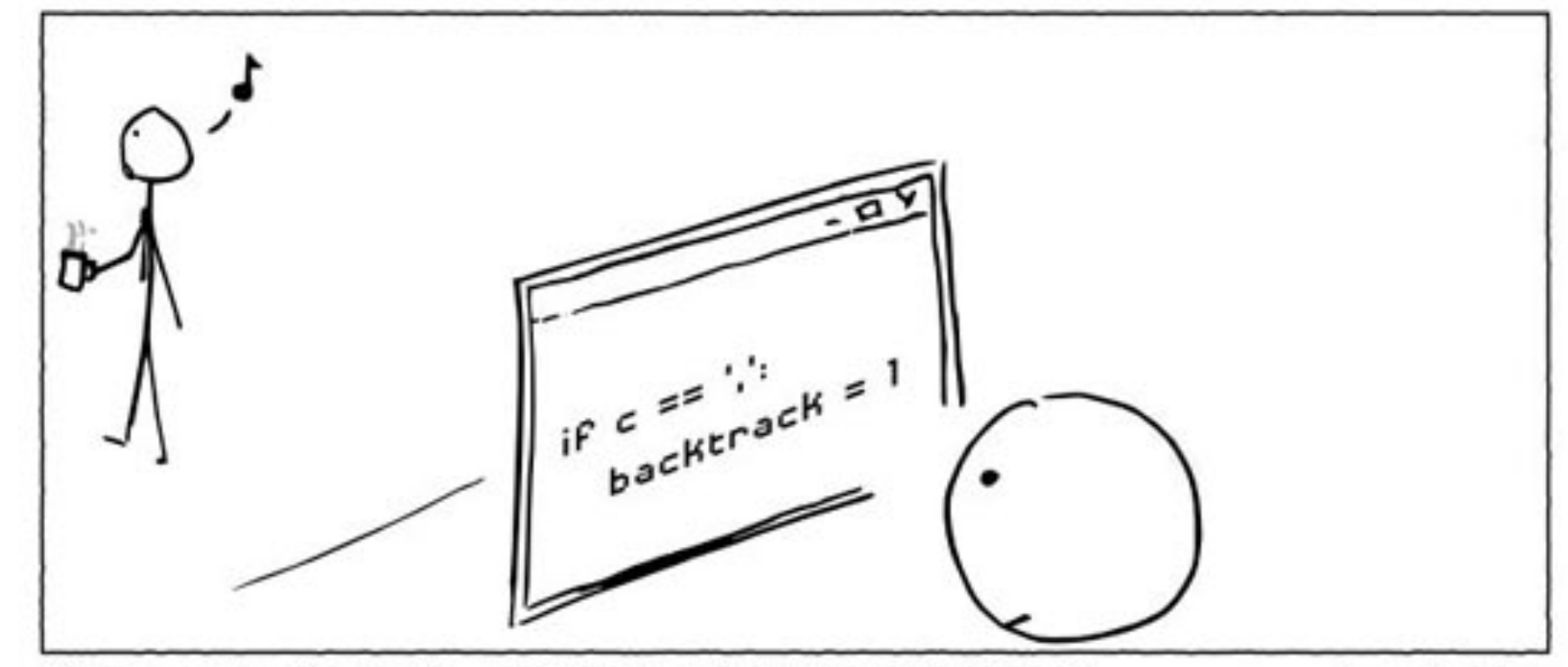
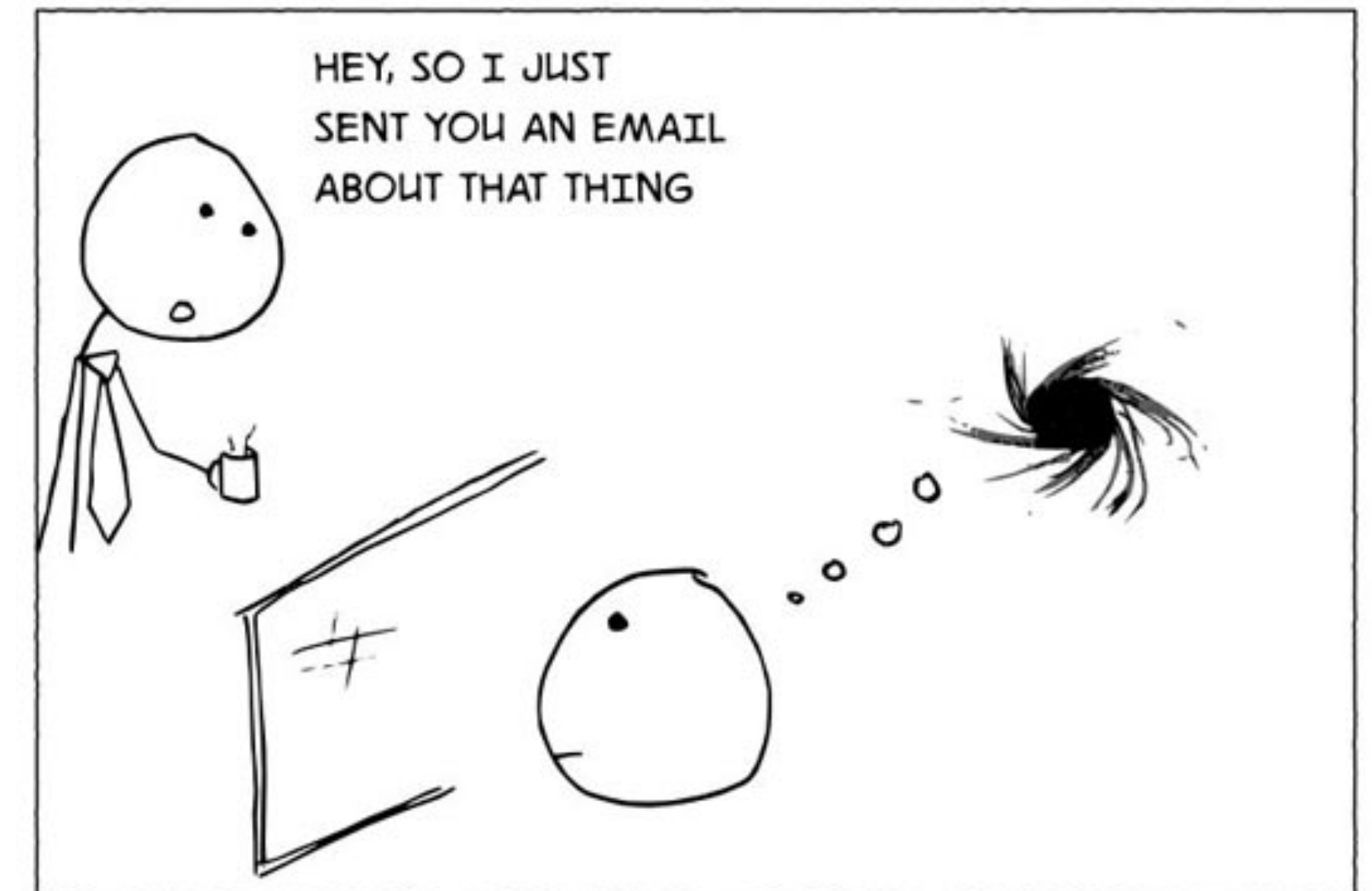
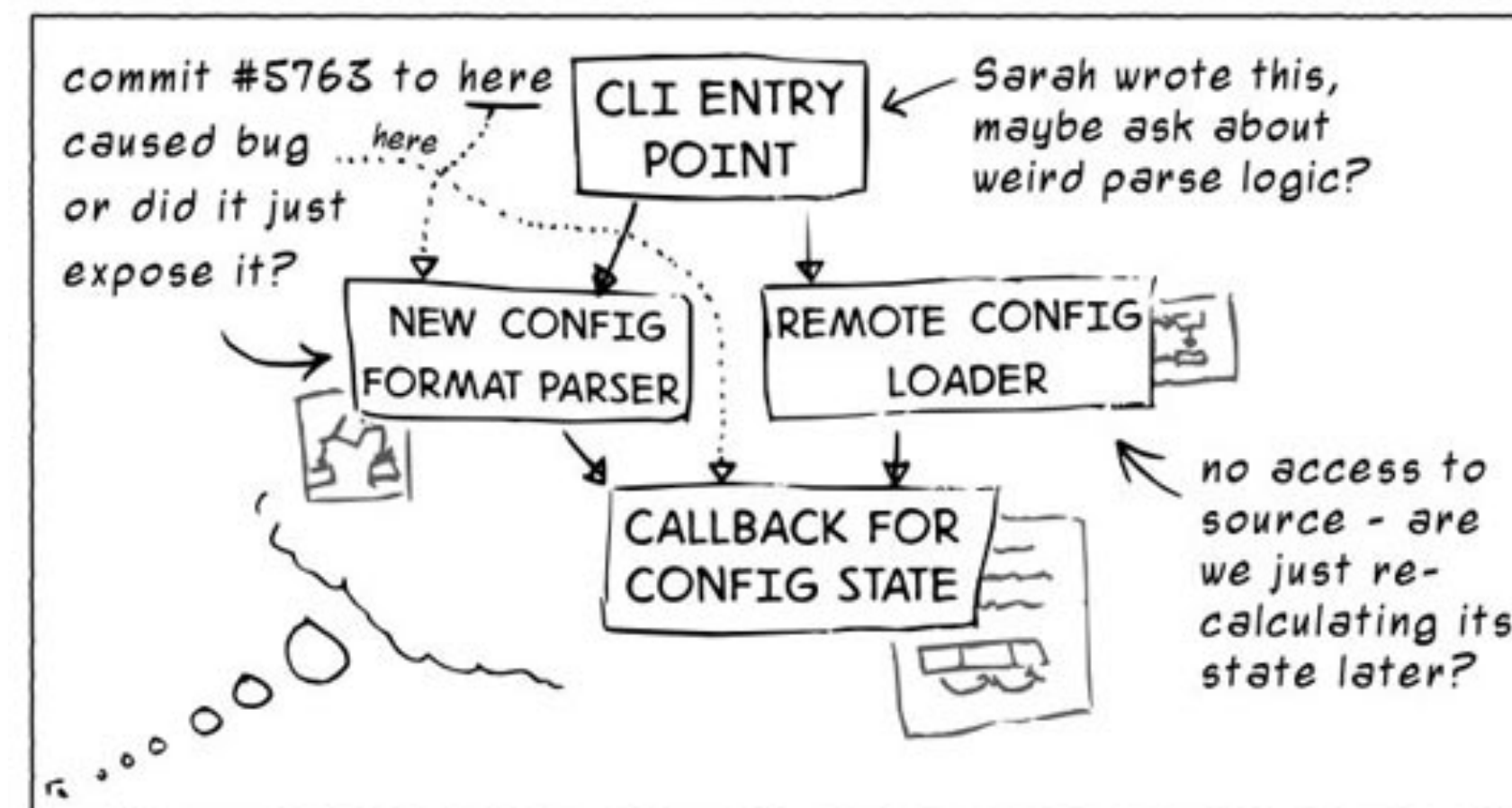
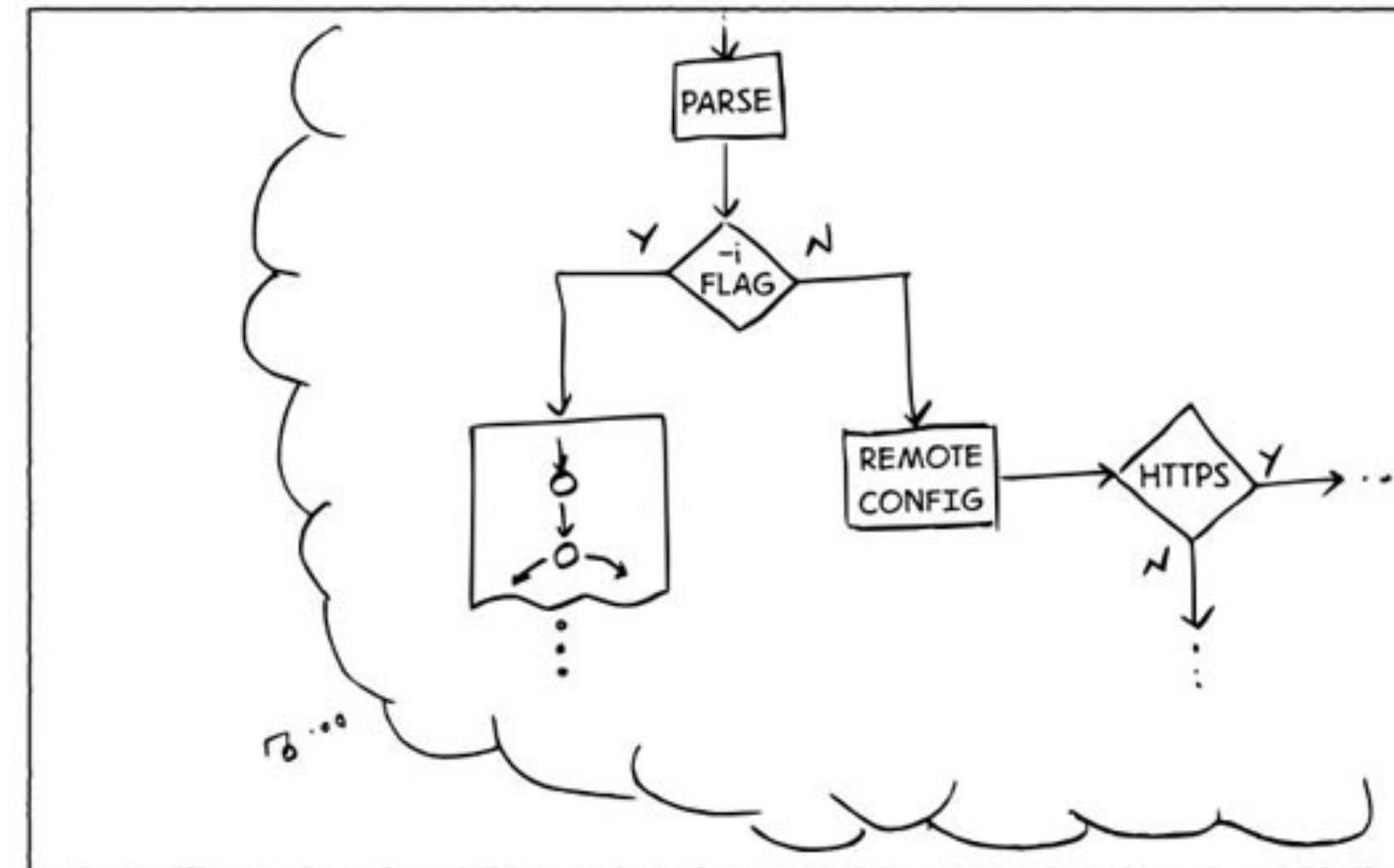
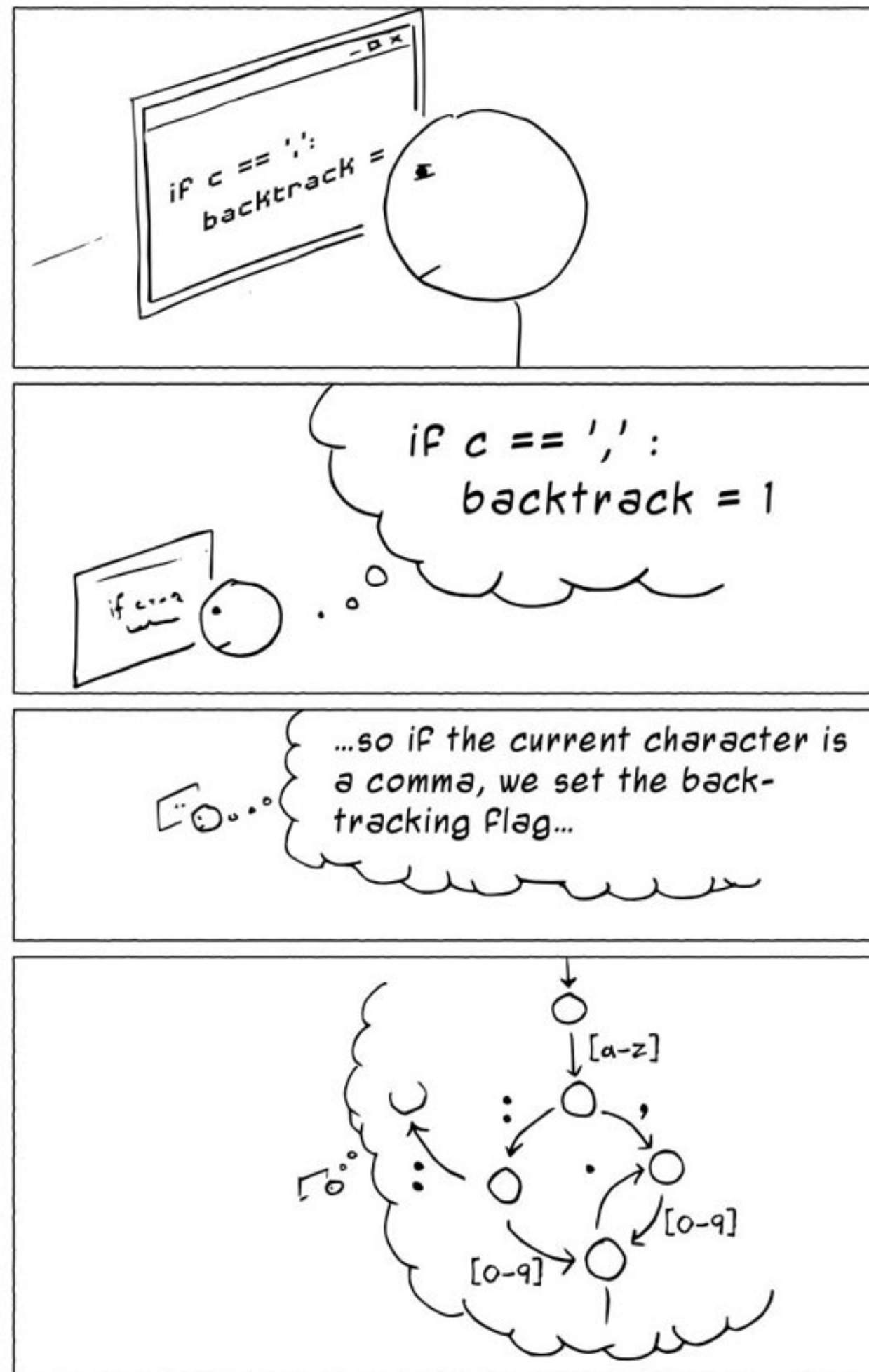
No decks.

Avoid Ultimatums

Experimentation.

Decision Making.

Avoid Context Switching



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heeris.id.au

Day 30

**Trust in you
and
each other.**



JIRA , Backlog and a story



Workflow.

Definition of Done.

AXIS

SPRINT - I 07/02 - 07/16

ALOK - 12th, 13th
DD → 11th - 14th
July 4th

SPRINT - II 07/17 - 07/30

AKSHAY - 27th
DD → 000

SPRINT - III 07/31 - 08/13

DD → 000

SPRINT - IV 08/14 - 08/27

DD → 4th - 5th

SPRINT - V 08/28 - 09/10

Sept 3rd

SPRINT - VI 09/11

AXIS - 2579
DBC - EXCHANGE API
BY SCOPE EXPANSION
BATCH

CDS INTEGRATION IN THE API 1	IAF QUERIES FOR 5 TABLES 2	IAF CREATE RELEASE VERSION AND ROLLOUT TO PROD 3
IAF RST WITH PURPOSE INTEGRATION IN THE API 4	AUTHN/AUTH EXCHANGE API DEPLY TO PROD 5	

CDS
INTEGRATION
IN BATCH

IAF CHANGES
FOR OVERWRITING
TOKEN WITH
ADDITIONAL SCRIPTS

IAF INTEGRATION
IN BATCH

IAF CREATE
RELEASE
VERSION AND
ROLLOUT TO
PROD

BATCH TESTING
AND
RELEASING
TO PROD

SMOKE
TESTING

AXIS - 2542
GDPR

PL/SQL
QUERY
USING DAL
INVESTIGATION

BES CONSUMER
IMPLEMENTATION
FOR IAF WITH
PL/SQL MOCK

ADD NEW
API IN IDLT
SERVER COMPLAINTS
TO REMOVE
USER_IDENTITY

PL/SQL
COMPLETION
AND
VERIFY WITH
DAL TEAM

INTEGRATION
OF
CONSUMER
WITH PL/SQL
IAF

BES CONSUMER
IMPLEMENTATION
FOR IDLT

BATCH INTEGRATION
TO CALL
IDLT NEW
API

BATCH IMPLEMENT
EMAIL
NOTIFICATION
WITH FAILED
RECORDS

INTEGRATION
OF
BATCH
WITH PL/SQL
IAF

IAF BES
TESTING
AND
ROLLOUT

IDLT BES
TESTING
AND
ROLLOUT

BATCH TESTING
AND
RELEASING
TO PROD

REGISTRAR - GIT3
PROGRESSIVE
ONBOARDING

AXIS - 2625
IAF INTERNAL RATE
LIMITING

AXIS - 2603
GXO - PAY WITH NO
LIPP CONSENT

AXIS - 2606/2601/2604
PTB
24

SUPPORT
USER IN
WORK/INITIALISE
- LUNARVA

SUPPORT USER
IN WORK/
COMPLETE -
LUNARVA

PROD TESTING
AND
ROLLOUT

INVESTIGATE
THE ATTACK
CHANNEL
(AUTH/INF)

VERIFY AUTH
CLIENT-CREDENTIALS
- TIER1 RL
POLICY

INVESTIGATE
HOW TO INTERACT
SUBJECT (IAF)
INTO APPLICATION
CTX

USE COUCH
BASE TO
IMPLEMENT
OWN RL

CODE
CHANGES
TO CREATE
USER WITH
EMAIL ONLY

PROD
TESTING
AND
ROLLOUT

Planning and Execution

Sprint Goals.

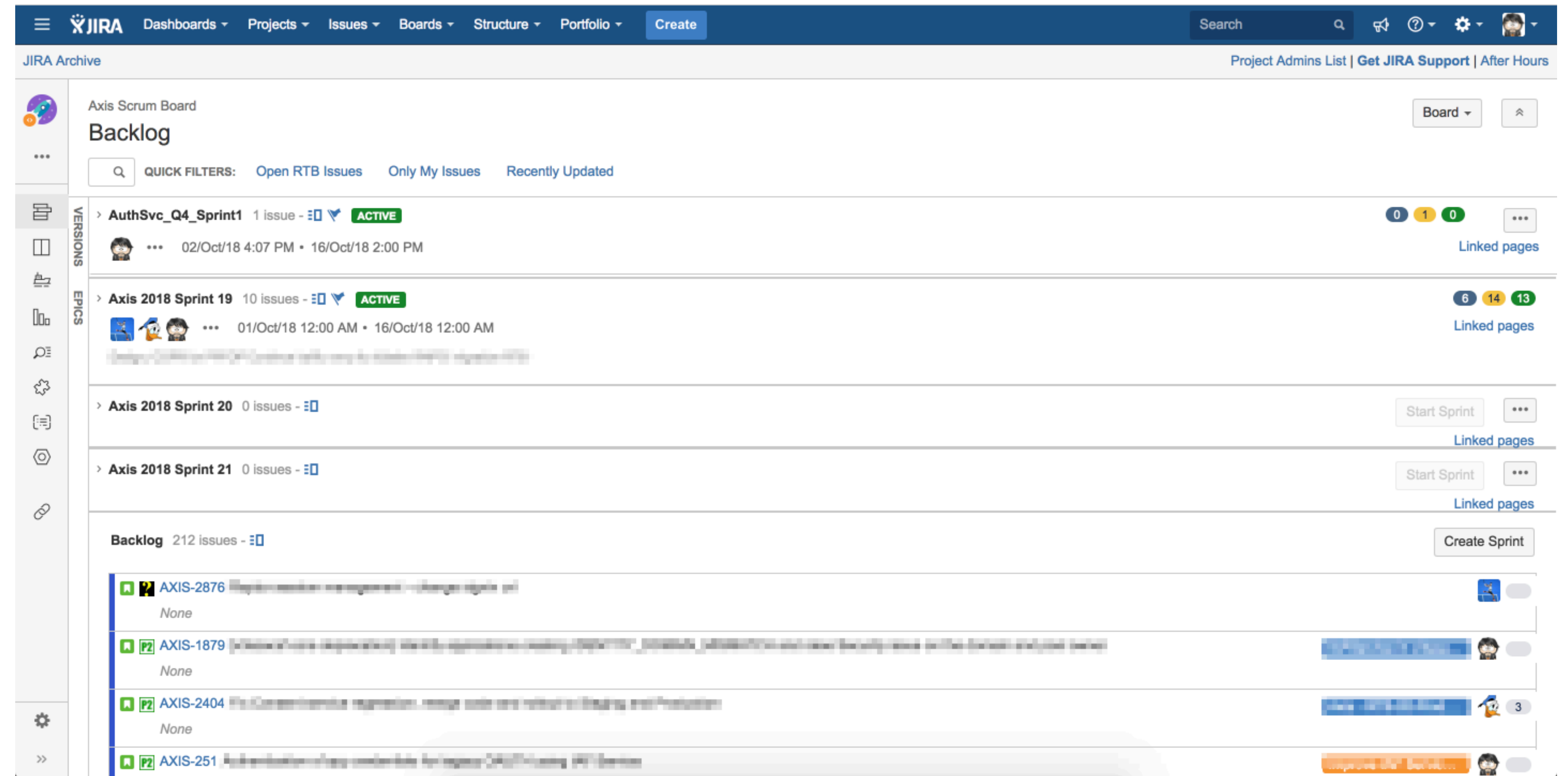
Relevant DoD.

Evident Quality.

Technical Debt.

Circle of Knowledge.

Your job.



A simple story.

JIRA Archive Project Admins List | Get JIRA Support | After Hours

Authentication Infrastructure and Services / AXIS-2130

As a session storage provider, work on enhancing current session data store to store additional attributes, so that we can accurately show user session data

Edit Comment Assign More Start Progress Resolve Issue Close Issue Email Export

Details

Type:	User Story	Status:	OPEN (View Workflow)
Priority:	None	Resolution:	Unresolved
Affects Version/s:	None	Fix Version/s:	None
Component/s:	Session Management		
Labels:	None		
Epic Link:			
Decision:	Not Triaged		

People

Assignee: Gopal, SenthilKumar

Reporter: [Redacted]

Votes: 0 [Vote for this issue](#)

Watchers: 1 [Start watching this issue](#)

Dates

Created: 18/Sep/17 5:00 PM

Updated: 30/Jan/18 1:36 PM

Description

[Blurred description text]

Acceptance criteria:

- Design hashed out
- Tickets filed as needed
- Design interactions, sample data payload
- Library/Service to store, retrieve and update data

A “simpler” story

The screenshot shows a JIRA issue page for the project 'Authentication Infrastructure and Services' with the issue key 'AXIS-1163'. The issue title is 'Integration tests for guest flow'. The issue type is 'User Story', priority is 'None', and status is 'OPEN'. The description is 'PRD - Guest usecase integration tests write integration tests for guest usecase.' The reporter is 'Gopal, SenthilKumar'. The issue was created on 22/Jun/17 12:06 PM and updated on 31/Oct/17 7:02 PM. The page includes a sidebar with navigation icons, a top navigation bar with 'JIRA' and various menu items, and a right sidebar with 'People' and 'Dates' sections.

JIRA Dashboards ▾ Projects ▾ Issues ▾ Boards ▾ Structure ▾ Portfolio ▾ Create

Search 🔍 🔊 ? ⚙️ 👤

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Authentication Infrastructure and Services / AXIS-1163

Integration tests for guest flow

Edit Comment Assign More ▾ Start Progress Resolve Issue Close Issue

Email Export ▾

Details

Type:	User Story	Status:	OPEN (View Workflow)
Priority:	None	Resolution:	Unresolved
Affects Version/s:	None	Fix Version/s:	None
Component/s:	Federated Identity		
Labels:	None		
Epic Link:			
Decision:	Not Triaged		

Description

PRD - Guest usecase integration tests write integration tests for guest usecase.

Attachments

Drop files to attach, or [browse](#).

People

Assignee: Gopal, SenthilKumar

Reporter: [Gopal, SenthilKumar](#)

Votes: 0 [Vote for this issue](#)

Watchers: 1 [Start watching this issue](#)

Dates

Created: 22/Jun/17 12:06 PM

Updated: 31/Oct/17 7:02 PM

Structure

Mob Programming

Common understanding.

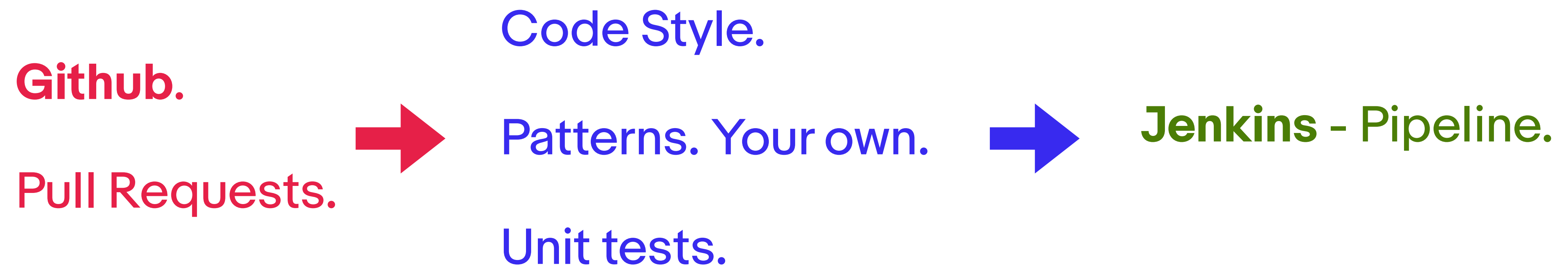
Branching.

Testing.

Conventions.

911.

Code Reviews



Jenkins - Pipeline

Coverage Report.

Standards.

Static Analysis.

Security Review.

Continuous Deployment.

Adding support for to auth-component adaptor #48

Merged  merged 1 commit into  from `sengopal:master` 15 days ago

Conversation 0

Commits 1

Checks 0

Files changed 4



sengopal commented 15 days ago

Collaborator



Adding support for  to auth-component adaptor



Adding support for  to auth-component adaptor

✓ 56f5e3e



 merged commit **facd6ff** into 

Hide details

Revert

15 days ago

5 checks passed



CheckStyle CheckStyle analysis passed

[Details](#)



FindBugs Findbugs analysis passed

[Details](#)



JACOCO JACOCO analysis passed

[Details](#)



PMD PMD analysis passed

[Details](#)



continuous-integration/jenkins/pr-merge This commit looks good

[Details](#)

BDD - Behavior Driven Development



Intuitive **TDD**.

Focus on **feature**.

Behavior, not implementation.

Conversation in **common** language.

Everyone is QE.

BDD - Cucumber

And User doesn't have consent for any app for puid="e6kqpUFdSSi"

- When I hit the OAuth Consent Service url for puid="e6kqpUFdSSi"
- Then I should get the error with errorId=3, statusCode=404, category="REQUEST", message="User doesn't have consent for the application"
- And I generate consents by adding token using IAF for userId=1346241670 puid="e6kqpUFdSSi"
- When I hit the OAuth Consent Service url for puid="e6kqpUFdSSi"
- And I verify the consent attributes for appName="SonamRud-stagingt-PRD-1f123ffa4-7990-4b3a-8000-000000000000"
- Class Configuration

- Scenario: OAuthSvc - invalid request - app doesn't have consent, gives consent_not_granted error
- Scenario: OAuthSvc - invalid request - app not found, gives app_not_valid error
- Feature: DeviceCredential Post profile - User hits oauth to get token
- Feature: Exchange AuthNAuth Token profile - User hits oauth to get token
- Feature: ExchangeSecurityToken profile - User hits oauth to get token
- Feature: Refresh Token profile - User hits oauth to get token
 - Scenario: OAuthSvc - valid request, gives access_token and refresh_token
 - Scenario: OAuthSvc - valid request with device signature, gives access_token and refresh_token
 - Scenario: OAuthSvc - invalid client gives invalid_client error
 - Scenario: OAuthSvc - invalid grant gives unsupported_grant_type error
 - Given I provide input request params::
 - And I generate a User Refresh Token for "VALID" user
 - When I try the OAuth Refresh Token Post URL in browser
 - Then I should get the error with errorId::"unsupported_grant_type" and errorDesc::"grant_type unsupported"
 - Scenario: OAuthSvc - invalid refresh token gives invalid_grant error
 - Given I provide input request params::
 - And I generate a Invalid Refresh Token
 - When I try the OAuth Refresh Token Post URL in browser
 - Then I should get the error with errorId::"invalid_grant" and errorDesc::"the provided authorization refresh token is invalid"
 - Scenario: OAuthSvc - Invalid Domain - App refresh token gives invalid_grant error
 - Scenario: OAuthSvc - Suspended User in App refresh token gives invalid_grant error
 - Given I provide input request params::
 - And I generate a User Refresh Token for "SUSPENDED" user
 - When I try the OAuth Refresh Token Post URL in browser
 - Then I should get the error with errorId::"invalid_grant" and errorDesc::"the provided authorization refresh token is invalid"
 - Scenario: OAuthSvc - malformed device signature in header gives malformed_device_signature_header error
 - Scenario: OAuthSvc - invalid hmac in header gives invalid_device_signature error
 - Scenario: OAuthSvc - invalid deviceId in header gives invalid_device_signature error
 - Given I provide input request params::
 - And I generate a User Refresh Token for "VALID" user
 - And I get the device signature from signin for username::"authcookietst1" and password::"password"

```
@run
Feature: B2B Commercial Direct Auth Code profile - User hits oauth to get token

@validToken
Scenario: OAuthSvc - valid request, gives access_token and refresh_token
Given I provide input request params:
  | clientId | clientSecret | grantType | redirectUri | scopePolicy | identityDomain |
  | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
  | authorization_code | Sonam_Rudra |

And I generate a code for "VALID" user with enableRefreshToken:"true"
When I try the OAuth Authorization Code Post URL in browser
Then I should get the access_token with expiration:7200 and refresh_token with expiration:[redacted] in the response
And Access Token is valid with expiration:7000 and byRef:"false"
And Refresh Token is valid

@validToken
Scenario: OAuthSvc - valid request, gives access_token
Given I provide input request params:
  | clientId | clientSecret | grantType | redirectUri | scopePolicy | identityDomain |
  | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
  | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

And I generate a code for "VALID" user with enableRefreshToken:"false"
When I try the OAuth Authorization Code Post URL in browser
Then I should get an error with errorId="<string>" errorDesc="<string>"
And I should get the access_token and other attributes
I should get the error with errorId="<string>" errorDesc="<string>"
I should get the token attributes, iss="<string>" expires=<number>
I should get the access_token and other attributes in response
I should get the access_token in the response
I should get the access_token with expiration:<number> and refresh_token with expiration:<number>
I should get the accessToken details in the response which expiresIn:<number>
I should get the accessToken in the exchange token response with expiration:<number>
I should get the accessToken in the response with expiration:<number>
I should get the cos error with errorId:<number> message:"<string>"

Press ^ to choose the selected (or first) suggestion and insert a dot afterwards >>
```


BDD - Cucumber

Feature	Steps						Scenarios			Features	
	Passed	Failed	Skipped	Pending	Undefined	Total	Passed	Failed	Total	Duration	Status
Authorization Code profile - User hits oauth to get token	28	0	0	0	0	28	6	0	6	11s 221ms	Passed
ClientCredential Get profile - User hits oauth to get token	19	0	0	0	0	19	6	0	6	715ms	Passed
ClientCredential Post profile - User hits oauth to get token	19	0	0	0	0	19	6	0	6	621ms	Passed
Consent Service - User hits oauth to get consents for a given app and user	19	1	2	0	0	22	5	1	6	7s 389ms	Failed
DeviceCredential Post profile - User hits oauth to get token	40	8	6	0	0	54	4	8	12	11s 640ms	Failed
ExchangeSecurityToken profile - User hits oauth to get token	33	0	0	0	0	33	8	0	8	1s 647ms	Passed
Refresh Token profile - User hits oauth to get token	21	0	0	0	0	21	5	0	5	1s 131ms	Passed
Tokeninfo Get profile - User hits oauth to get token info	12	0	0	0	0	12	4	0	4	490ms	Passed
	191	9	8	0	0	208	44	9	53	34s 858ms	8
	91.83%	4.33%	3.85%	0.00%	0.00%		83.02%	16.98%			75.00%

Feature Report

Feature	Steps						Scenarios			Features	
	Passed	Failed	Skipped	Pending	Undefined	Total	Passed	Failed	Total	Duration	Status
Authorization Code profile - User hits oauth to get token	28	0	0	0	0	28	6	0	6	11s 221ms	Passed

Tags: @run

Feature Authorization Code profile - User hits oauth to get token

Tags: @validToken

Scenario OAuthSvc - valid request, gives access_token and refresh_token > 8s 469ms

Tags: @validToken

Scenario OAuthSvc - valid request, gives access_token > 782ms

Tags: @validToken @nullScope

Scenario OAuthSvc - valid request but scope is null, gives access_token and refresh_token > 1s 108ms

Tags: @invalidClient

Scenario OAuthSvc - invalid client gives invalid_client error > 431ms

Tags: @invalidGrant

Scenario OAuthSvc - invalid grant gives unsupported_grant_type error > 353ms

Tags: @invalidCode

Scenario OAuthSvc - invalid Code gives invalid_grant error > 076ms

Deployment & Communication

Jenkins - Pipeline

Integration Tests

Deployment

Feature Deployment

Common Stage *





Day 60 - Keep improving

—

Make things as simple as
possible,
but not simpler

– **Albert Einstein**



RTB - Run the business

An Unchanging Constant.

How to support this ...

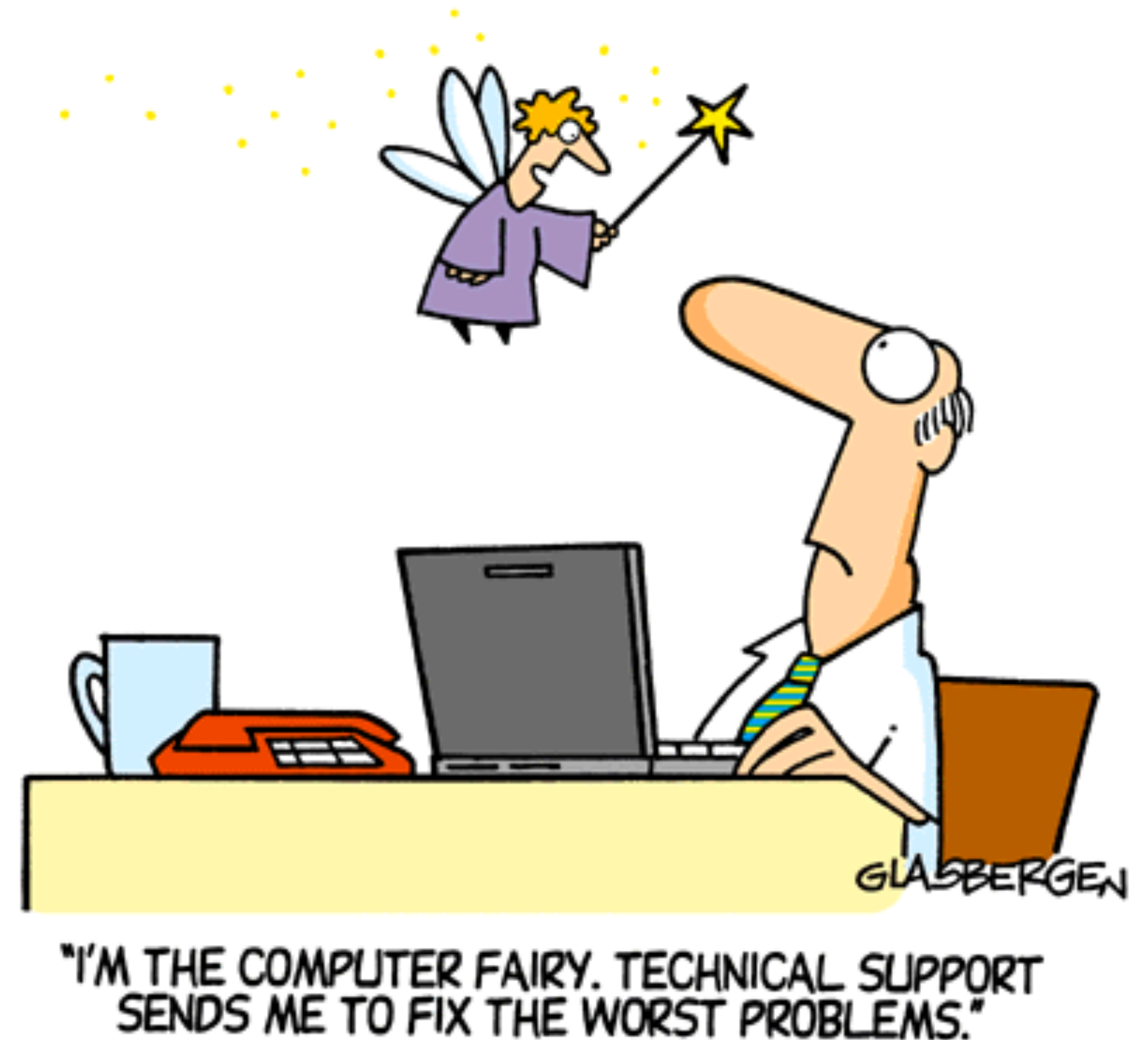
Documentation.

Support Channels.

Publish-Subscribe Channels.

Migrate Legacy Systems.

Align Roadmap.



Make them better....

One small step at a time.

Code. Documentation. Process.

**“Always leave the code
cleaner than you found it.”**



Difficult to make mistakes

Make it easy to do the right thing
and
hard to do the wrong thing

Ground Rules. Centralize the right things.

Day 120 - Ultra Agile

Culture of Learning

~~“Learning”~~ Deadline

Culture of sharing

Rates of learning

Learn & Consolidate

Need for a safe space

Childlike fearlessness

True to themselves

Crazy and weird

Everyone acts as everybody

Please do not tap on
glass.

Programmers are easily
scared and will start to
cry. Violently.

Please enter SLOWLY while
singing 'Ave Maria' to avoid
an incident.

Thank you.

Newbie and Juniors



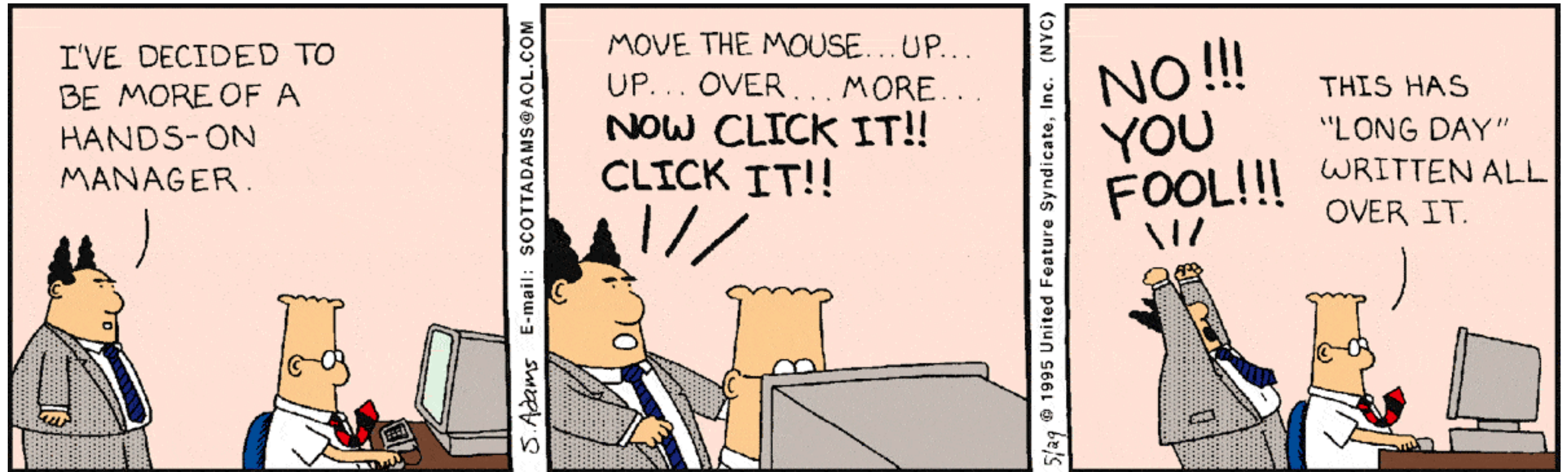
Mentoring.

Positive reinforcement.

Ask questions.

Praise thirst of knowledge.

Experienced Developers

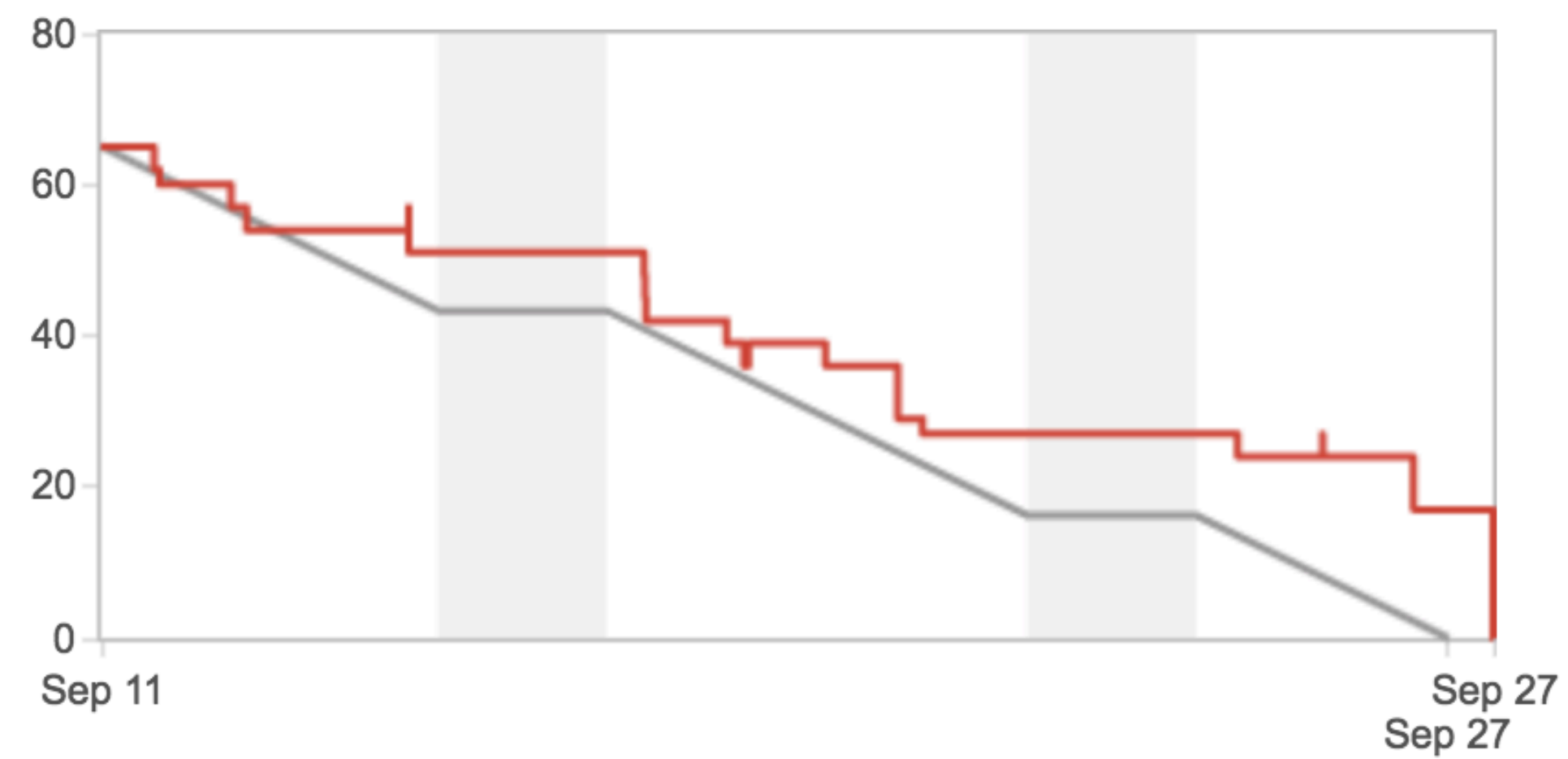


Responsible partners. Feature leaders.

Measurement

"Happyness"

vs.





Consistency is the
playground of dull minds.

- Yuval Noah Harari

Evolve. Re-invent yourself.

Inspect and **Adapt**.

Incorporate **Discomfort**.

The **Gardener**.

“Kaizen”

A person is walking through a misty, green field, carrying two large bundles of rice seedlings on a shoulder pole. The person is wearing a traditional conical hat and dark shorts. The background is filled with lush greenery and mist, creating a serene atmosphere. The text "Thank You!" is overlaid in white at the top center.

Thank You!

<http://go.sengopal.me/agile>

@sengopal