MANAGING REQUIREMENTS

with Atlassian tools

ADRIEN RAGOT

@aragot

Clearstream Banking SA

Schlumberger

French government

Groupama Insurance

Atlassian SDK

Atlassian Confluence

Play SQL

CYO Create-Your-Own

for Confluence Cloud

SUPPORTED

★★★☆ 473

Free

Play SQL Base

for Confluence Server

SUPPORTED DATA CENTER

★★★★ 416

Free

Play SQL Forms

for Confluence Server

SUPPORTED DATA CENTER

☆☆☆☆ 154

Free

Play SQL Spreadsheets for Confluence

for Confluence Cloud & Confluence Server

SUPPORTED DATA CENTER

★★★½ 431

Paid via Atlassian

Requirement Yogi

for Confluence Server

SUPPORTED DATA CENTER

★★★½ 159

Paid via Atlassian

Contact details

Play SQL

107 cours Gambetta
Lyon 69003
France

support@play-sql.com

Vendor homepage

Manage vendor

Dashboard

Support details

Adrien Ragot

supporta7@play-sql.com

http://support.play-sq...

Individual contacts

Adrien Ragot

Adrien Ragot

SEO Manager

for Confluence Server

SUPPORTED

★★★½

115

Free

SQL Connector Beta

for Confluence Cloud

SUPPORTED

★★★★

42

Paid via Atlassian

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MANAGING REQUIREMENTS

1. Waterfall

PRD

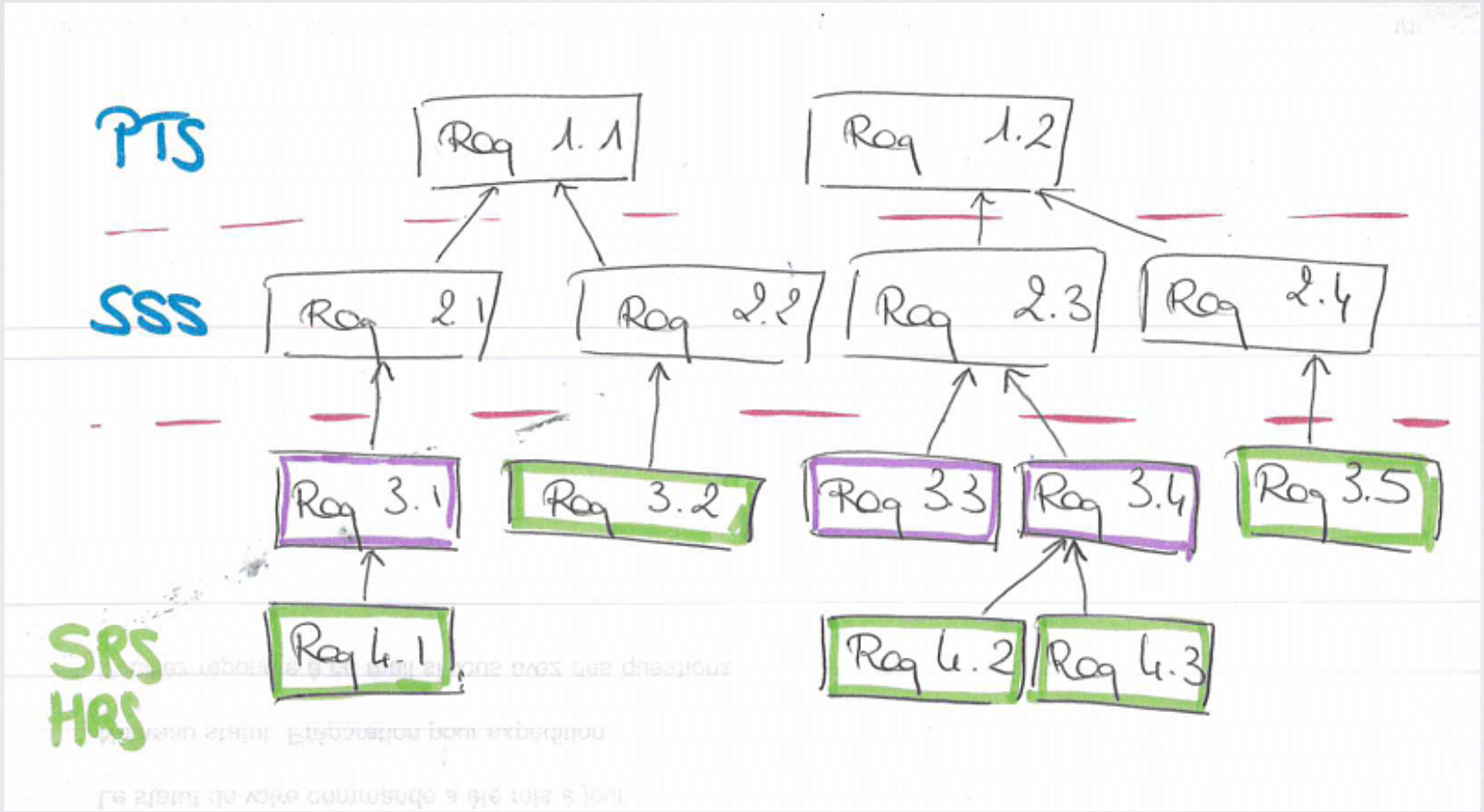
Product Requirements Document

Functional Requirements

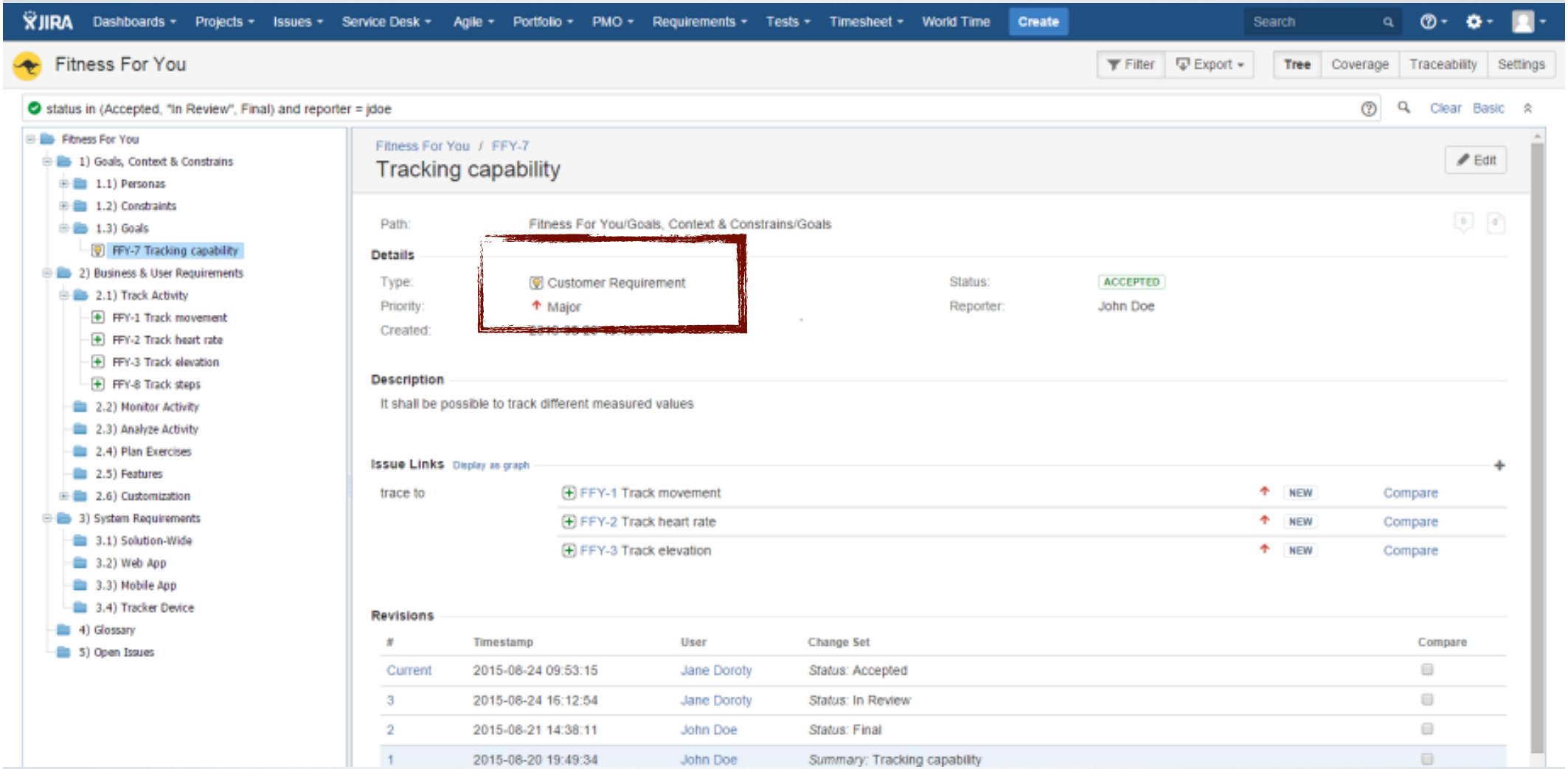
EMMA Req. No.	Requirement	Parent Requirements	Source Reference	Category	Comment
Service Provision					
Tech_Gen_01	For all levels of implementation, the A-SMGCS shall provide equipment to support the Surveillance service	A-SMGCS shall provide a surveillance service to the users.	Op_Serv-01 [ICAO §2.2.1]	TG	
Tech_Gen_02	The A-SMGCS shall provide equipment to support the Control service.	A-SMGCS level II shall provide a surveillance service to the users.	Op_Serv-14 [ICAO §2.2.1]	TG	
Tech_Gen_03	For higher levels of implementation, the A-SMGCS may provide equipment to support the Routing and Guidance functinos.	A-SMGCS should support the following primary functions: • Surveillance • Routing • Guidance • Control	ICAO §2.2.1	TG	
Tech_Gen_04	For higher levels of implementation, the A-SMGCS	In order to achieve the maximum benefits at each level of A-SMGCS	ICAO §2.2.2	TG	

COVERAGE

Dependency matrix

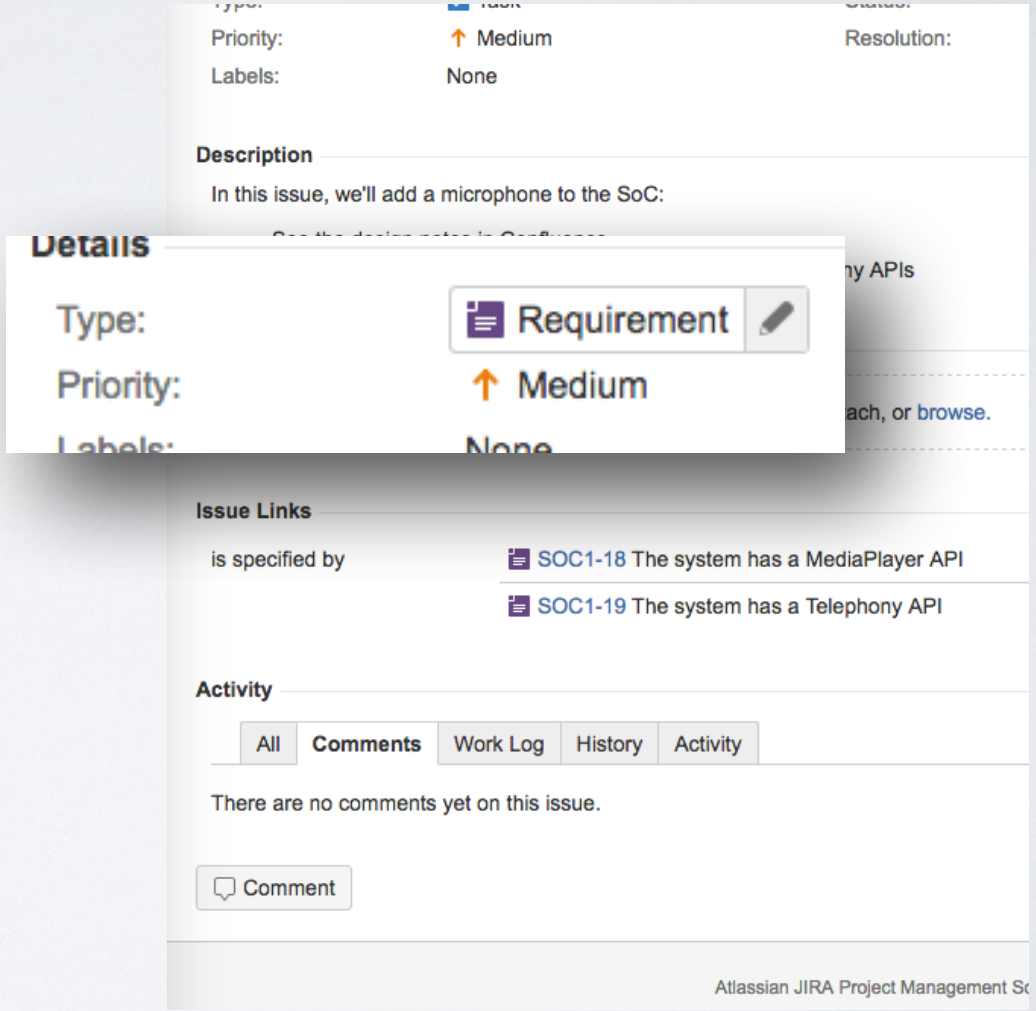


R4J


JIRA
Dashboards
Projects
Issues
Service Desk
Agile
Portfolio
PMO
Requirements
Tests
Timesheet
World Time
Create
Search
Fitness For You
Filter
Export
Tree
Coverage
Traceability
Settings
status in (Accepted, "In Review", Final) and reporter = jdoe
Clear
Basic
Fitness For You
1) Goals, Context & Constrains
1.1) Personas
1.2) Constraints
1.3) Goals
FFY-7 Tracking capability
2) Business & User Requirements
2.1) Track Activity
FFY-1 Track movement
FFY-2 Track heart rate
FFY-3 Track elevation
FFY-8 Track steps
2.2) Monitor Activity
2.3) Analyze Activity
2.4) Plan Exercises
2.5) Features
2.6) Customization
3) System Requirements
3.1) Solution-Wide
3.2) Web App
3.3) Mobile App
3.4) Tracker Device
4) Glossary
5) Open Issues
Fitness For You / FFY-7
Tracking capability
Edit
Path: Fitness For You/Goals, Context & Constrains/Goals
Details
Type: Customer Requirement
Priority: Major
Created:
Status: ACCEPTED
Reporter: John Doe
Description
It shall be possible to track different measured values
Issue Links Display as graph
trace to
FFY-1 Track movement NEW Compare
FFY-2 Track heart rate NEW Compare
FFY-3 Track elevation NEW Compare
Revisions
Timestamp User Change Set Compare
Current 2015-08-24 09:53:15 Jane Doroty Status: Accepted
3 2015-08-24 16:12:54 Jane Doroty Status: In Review
2 2015-08-21 14:38:11 John Doe Status: Final
1 2015-08-20 19:49:34 John Doe Summary: Tracking capability

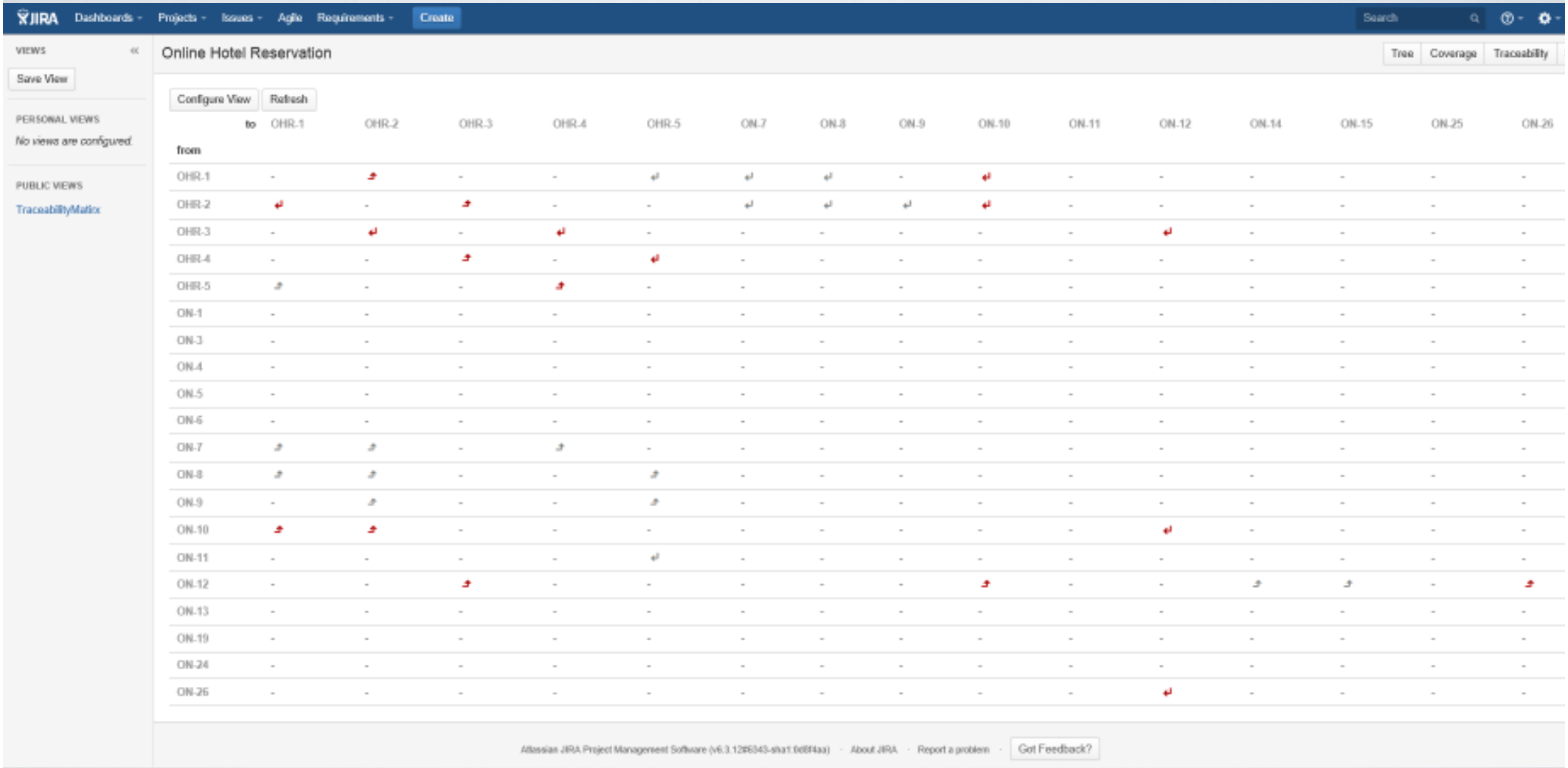
TYPE "REQUIREMENT"

- **JIRA Issue Type: Requirement**

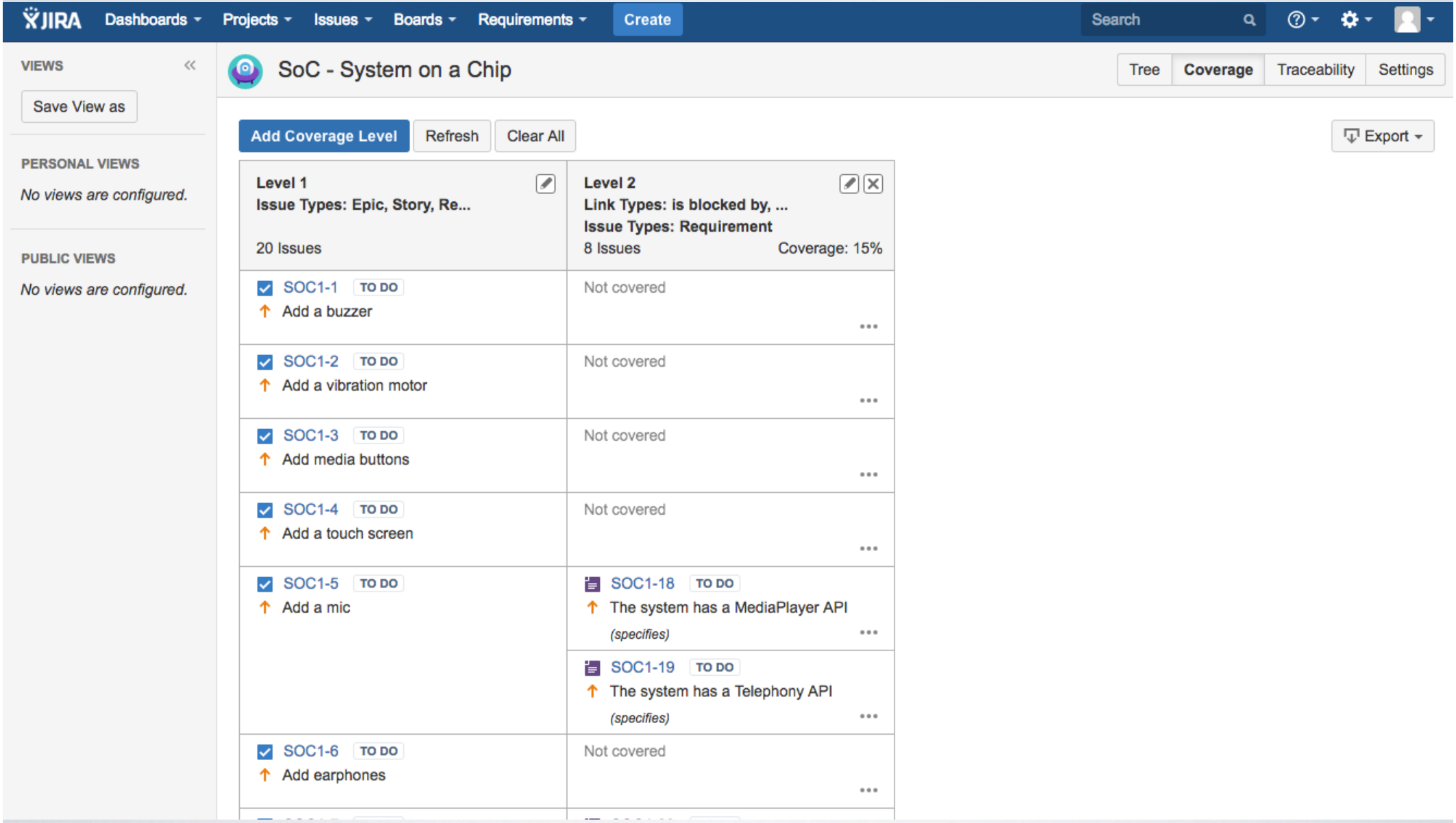


Source: https://confluence.atlassian.com/jirakb/using-jira-for-requirements-management-193300521.html

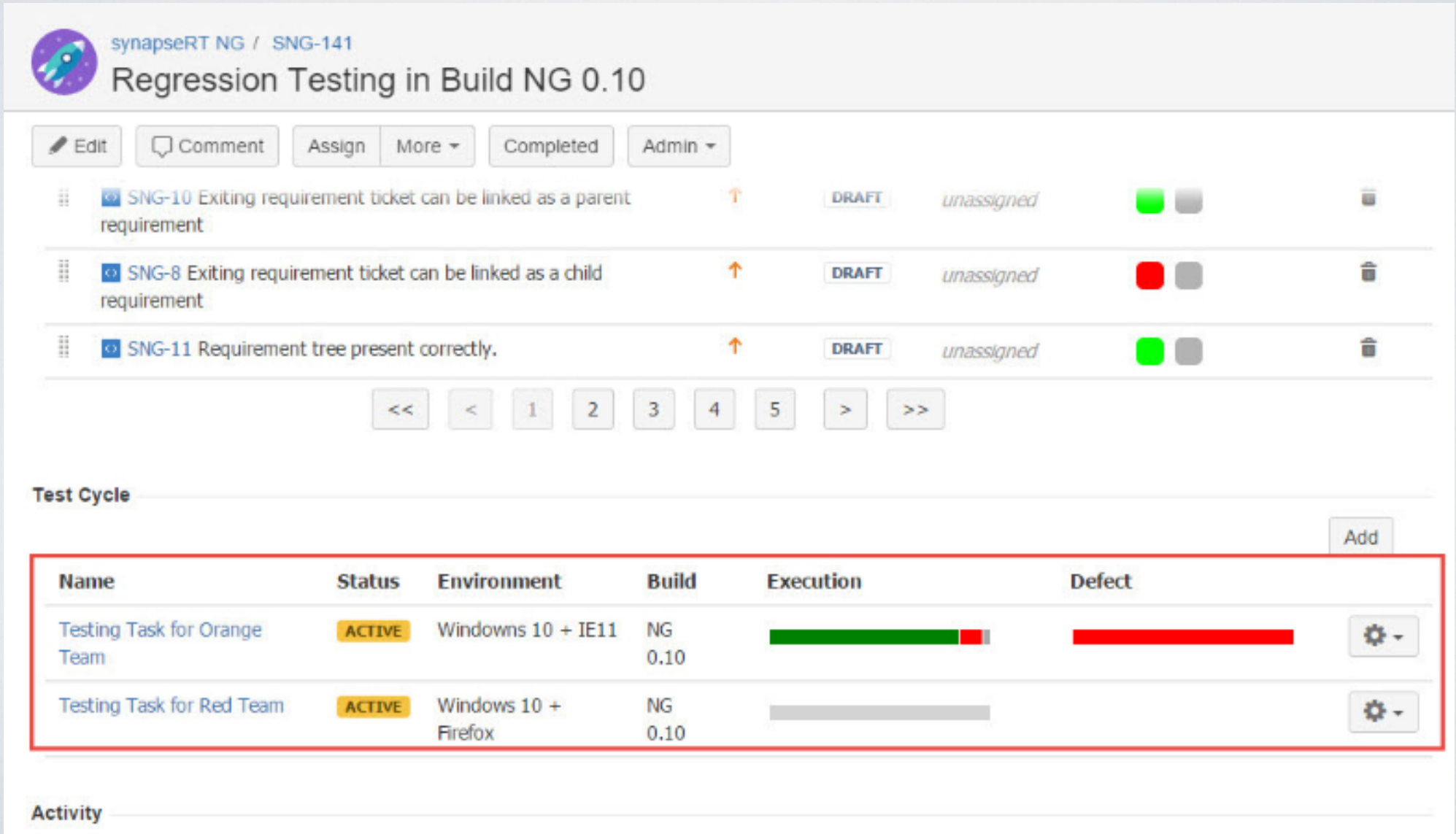
R4J


JIRA
Dashboards
Projects
Issues
Agile
Requirements
Create
Search
VIEWS
Save View
PERSONAL VIEWS
No views are configured.
PUBLIC VIEWS
TraceabilityMatrix
Online Hotel Reservation
Tree
Coverage
Traceability
Configure View
Refresh
to
from
OHR-1 OHR-2 OHR-3 OHR-4 OHR-5 ON-7 ON-8 ON-9 ON-10 ON-11 ON-12 ON-14 ON-15 ON-25 ON-26
OHR-1
OHR-2
OHR-3
OHR-4
OHR-5
ON-1
ON-3
ON-4
ON-5
ON-6
ON-7
ON-8
ON-9
ON-10
ON-11
ON-12
ON-13
ON-19
ON-24
ON-26
Atlassian JIRA Project Management Software (v6.3.12#6343-sha1:6d8f4aa)
About JIRA
Report a problem
Get Feedback?

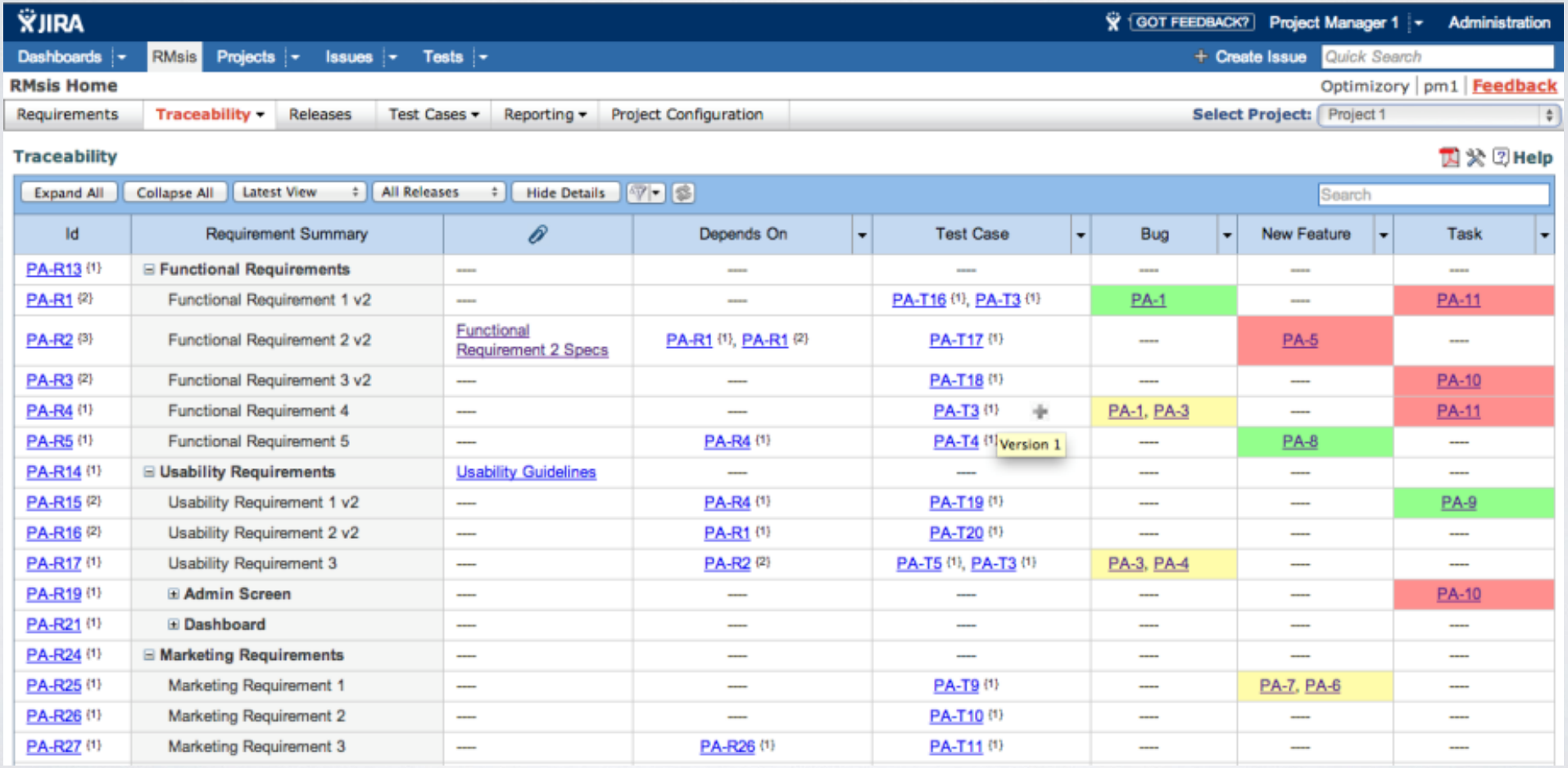
R4J


JIRA
Dashboards
Projects
Issues
Boards
Requirements
Create
Search
VIEWS
Save View as
PERSONAL VIEWS
No views are configured.
PUBLIC VIEWS
No views are configured.
SoC - System on a Chip
Tree
Coverage
Traceability
Settings
Add Coverage Level
Refresh
Clear All
Export
Level 1
Issue Types: Epic, Story, Re...
20 Issues
Level 2
Link Types: is blocked by, ...
Issue Types: Requirement
8 Issues
Coverage: 15%
SOC1-1 TO DO
Add a buzzer
Not covered
SOC1-2 TO DO
Add a vibration motor
Not covered
SOC1-3 TO DO
Add media buttons
Not covered
SOC1-4 TO DO
Add a touch screen
Not covered
SOC1-5 TO DO
Add a mic
SOC1-18 TO DO
The system has a MediaPlayer API
(specifies)
SOC1-19 TO DO
The system has a Telephony API
(specifies)
SOC1-6 TO DO
Add earphones
Not covered

synapseRT


synapseRT NG / SNG-141
Regression Testing in Build NG 0.10
Edit
Comment
Assign
More
Completed
Admin
SNG-10 Exiting requirement ticket can be linked as a parent requirement
DRAFT
unassigned
SNG-8 Exiting requirement ticket can be linked as a child requirement
DRAFT
unassigned
SNG-11 Requirement tree present correctly.
DRAFT
unassigned
<< < 1 2 3 4 5 > >>
Test Cycle
Add
Name
Status
Environment
Build
Execution
Defect
Testing Task for Orange Team
ACTIVE
Windowns 10 + IE11
NG 0.10
Testing Task for Red Team
ACTIVE
Windows 10 + Firefox
NG 0.10
Activity

RMsis



Id	Requirement Summary		Depends On	Test Case	Bug	New Feature	Task
PA-R13 (1)	**Functional Requirements**	----	----	----	----	----	----
PA-R1 (2)	Functional Requirement 1 v2	----	----	PA-T16 (1), PA-T3 (1)	PA-1	----	PA-11
PA-R2 (3)	Functional Requirement 2 v2	Functional Requirement 2 Specs	PA-R1 (1), PA-R1 (2)	PA-T17 (1)	----	PA-5	----
PA-R3 (2)	Functional Requirement 3 v2	----	----	PA-T18 (1)	----	----	PA-10
PA-R4 (1)	Functional Requirement 4	----	----	PA-T3 (1)	PA-1, PA-3	----	PA-11
PA-R5 (1)	Functional Requirement 5	----	PA-R4 (1)	PA-T4 (1)	----	PA-8	----
PA-R14 (1)	**Usability Requirements**	Usability Guidelines	----	----	----	----	----
PA-R15 (2)	Usability Requirement 1 v2	----	PA-R4 (1)	PA-T19 (1)	----	----	PA-9
PA-R16 (2)	Usability Requirement 2 v2	----	PA-R1 (1)	PA-T20 (1)	----	----	----
PA-R17 (1)	Usability Requirement 3	----	PA-R2 (2)	PA-T5 (1), PA-T3 (1)	PA-3, PA-4	----	----
PA-R19 (1)	**Admin Screen**	----	----	----	----	----	PA-10
PA-R21 (1)	**Dashboard**	----	----	----	----	----	----
PA-R24 (1)	**Marketing Requirements**	----	----	----	----	----	----
PA-R25 (1)	Marketing Requirement 1	----	----	PA-T9 (1)	----	PA-7, PA-6	----
PA-R26 (1)	Marketing Requirement 2	----	----	PA-T10 (1)	----	----	----
PA-R27 (1)	Marketing Requirement 3	----	PA-R26 (1)	PA-T11 (1)	----	----	----

MANAGING REQUIREMENTS

2. The Atlasssian Way

Link: https://www.youtube.com/watch?v=11yWusiaLCM

CHET RONG

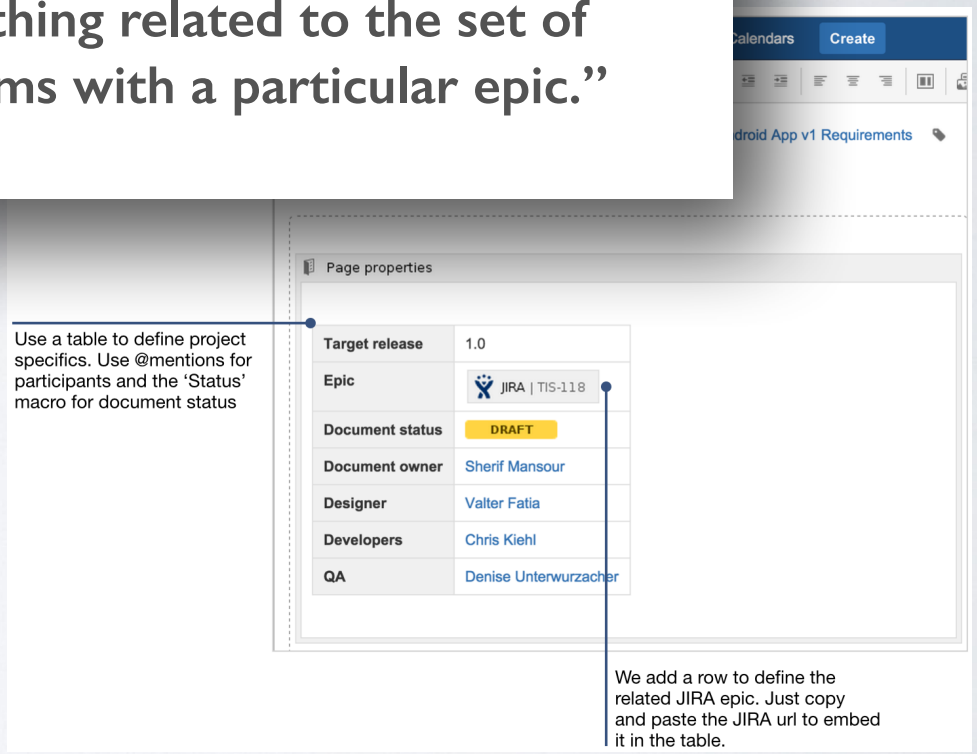
- "The more detailed, the better"
- "Fully spec'ed out"
- "How did I miss that"
- "Reduce the confusion"
- Sign off

Link: https://www.youtube.com/watch?v=11yWusiaLCM

THE RECOMMENDED WAY

- Epic in JIRA
- **Confluence Blueprint: PRD**
- Stories in JIRA

"… becomes the landing page for everything related to the set of problems with a particular epic."

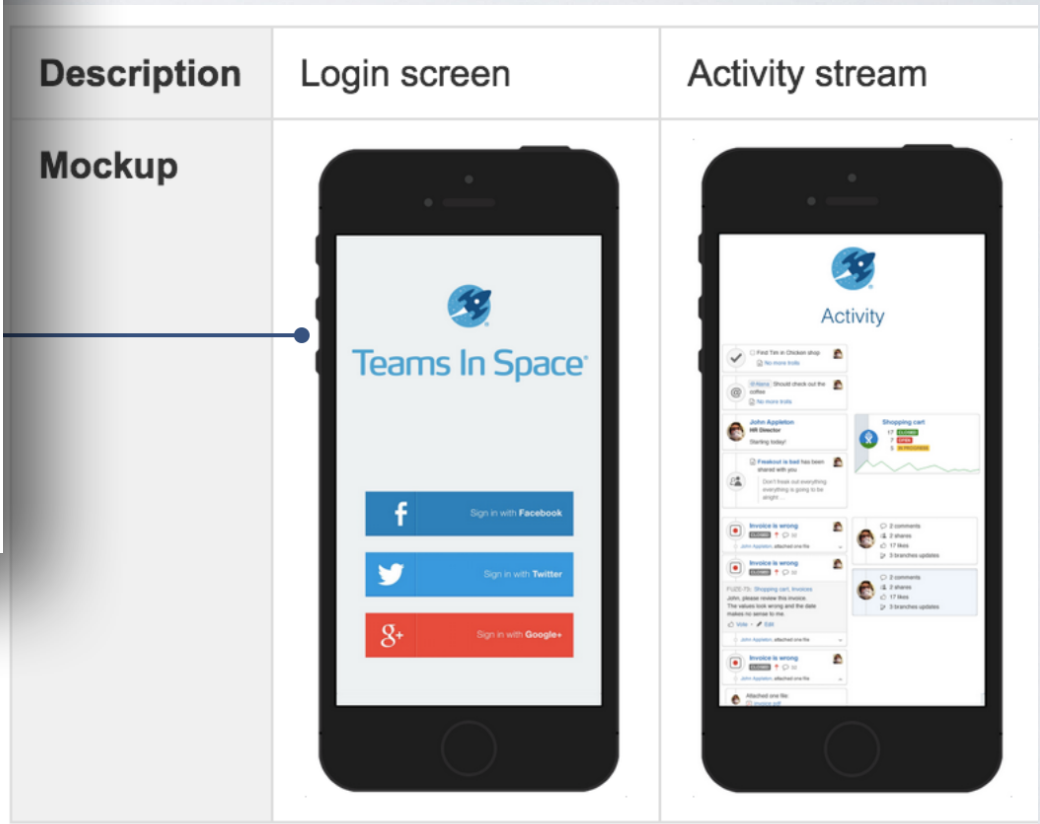


Source: https://confluence.atlassian.com/doc/blog/2015/08/how-to-document-product-requirements-in-confluence

THE RECOMMENDED WAY

in Confluence: “
- Context
- Living stories
- Collective wisdom
- Engaging content
- Collaboration

”



Source: https://confluence.atlassian.com/doc/blog/2015/08/how-to-document-product-requirements-in-confluence

THE RECOMMENDED WAY

You can convert your user stories to JIRA issues in Confluence.

Requirements

#	User story title	User story description	Priority	Notes
1	Facebook Integration JIRA | MDT-13	A user wants to sign up via Facebook	MUST HAVE	• We will need to talk to Cassie Owens about this one. • There has also been some research done on this (see Facebook integration prototype)
2	Activity Stream JIRA | MDT-14	A user wants to view the latest updates via the mobile dashboard so that they can get a better understanding of what is in place	MUST HAVE	
3	Post Updates JIRA | MDT-15	A user wants to be able to post status updates on the go	MUST HAVE	The key things we will need to support: • Text status updates • Mentions • Support for images • Smart embedding for things like YouTube videos etc..
4	API JIRA | MDT-16	A developer wants to integrate with the mobile app so that they can embed the activity stream on their website	SHOULD HA...	• We should chat to Team Dyno as they did something similar.

Use the **Status macro** to identify the priority of each story.

Source: https://confluence.atlassian.com/doc/blog/2015/08/how-to-document-product-requirements-in-confluence

Atlassian

Recommend this article

Creating a lean, mean requirements machine

Nobody likes writing bloated, ultra-detailed requirements. Turns out nobody likes using them, either.

The Agile Coach

The Agile Developer

The Agile Product Manager

Product analytics

Your first week

Customer interviews

Prioritize features using NPS

Win the team over with your roadmap

Requirements

The Agile Team

Agile requirements are a product owner's best friend. Product owners who don't use agile requirements get caught up with spec'ing out every detail to deliver the right software (then cross their fingers hoping they've spec'ed out the right things). Agile requirements, on the other hand, depend on a shared understanding of the customer that is *shared* between the product owner, designer, and the development team. That shared understanding and empathy for the target customer unlocks hidden bandwidth for product owners. They can focus on higher-level requirements and leave implementation details to the development team, who is fully equipped to do so – again, because of that shared understanding. (Boom.)

> **Anti-patterns to watch for**
>
> - The entire project is already spec'd out in great detail before any engineering work begins
> - Thorough review and iron-clad sign-off from all teams are required before work even starts
> - Designers and developers don't know when requirements have been updated

Products discussed

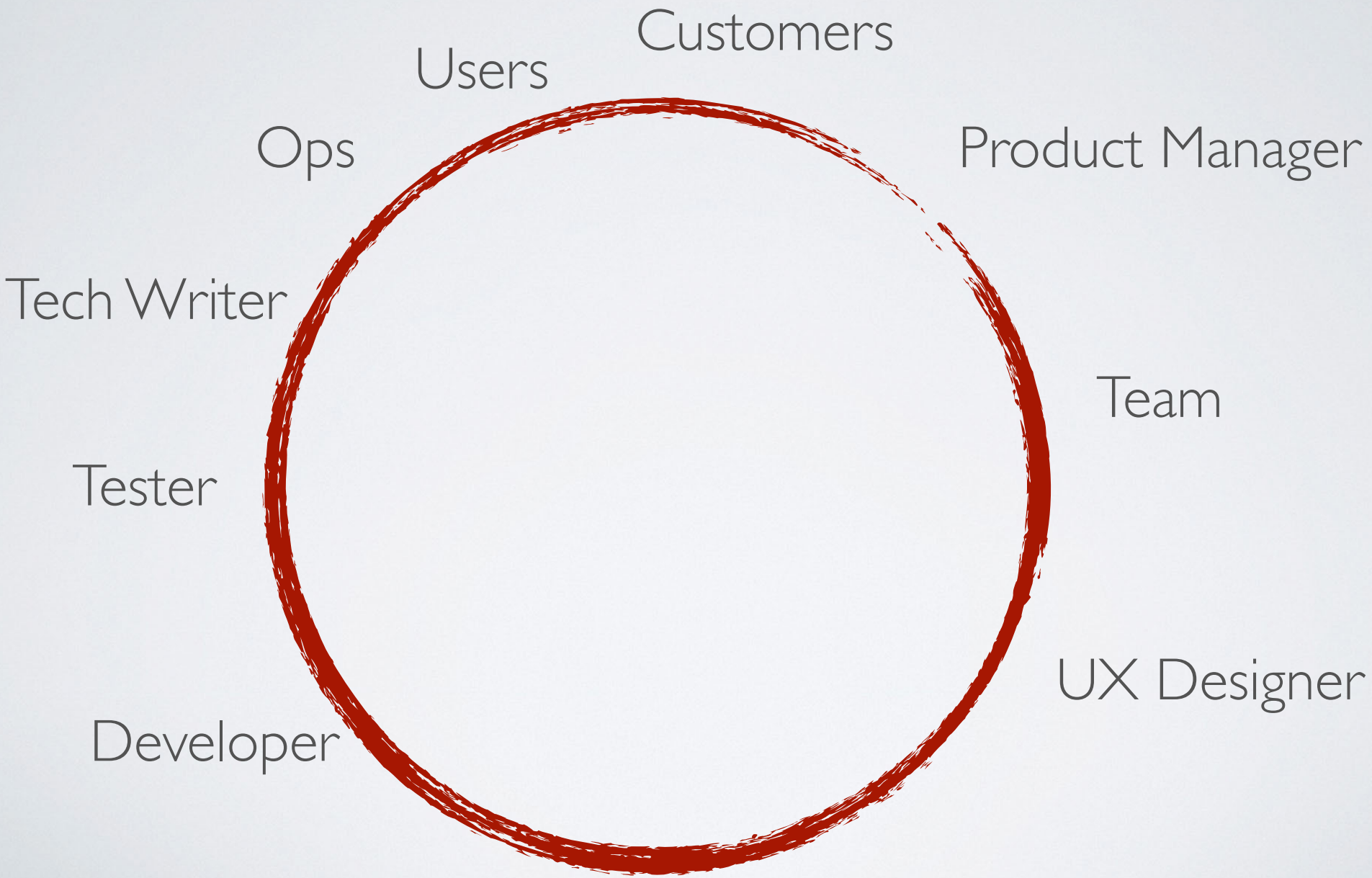
JIRA Software
Project and issue tracking

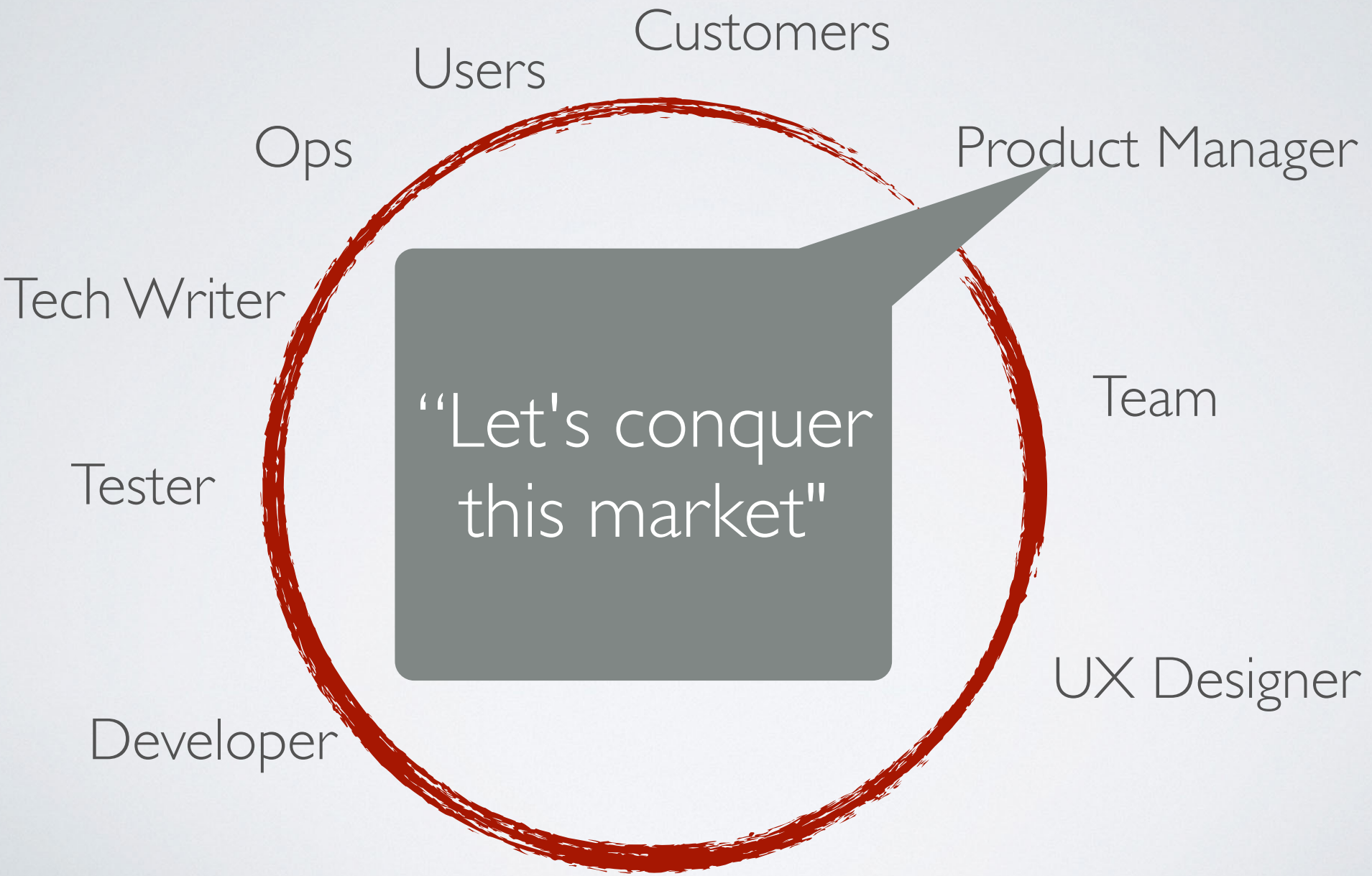
Confluence
Create & collaborate

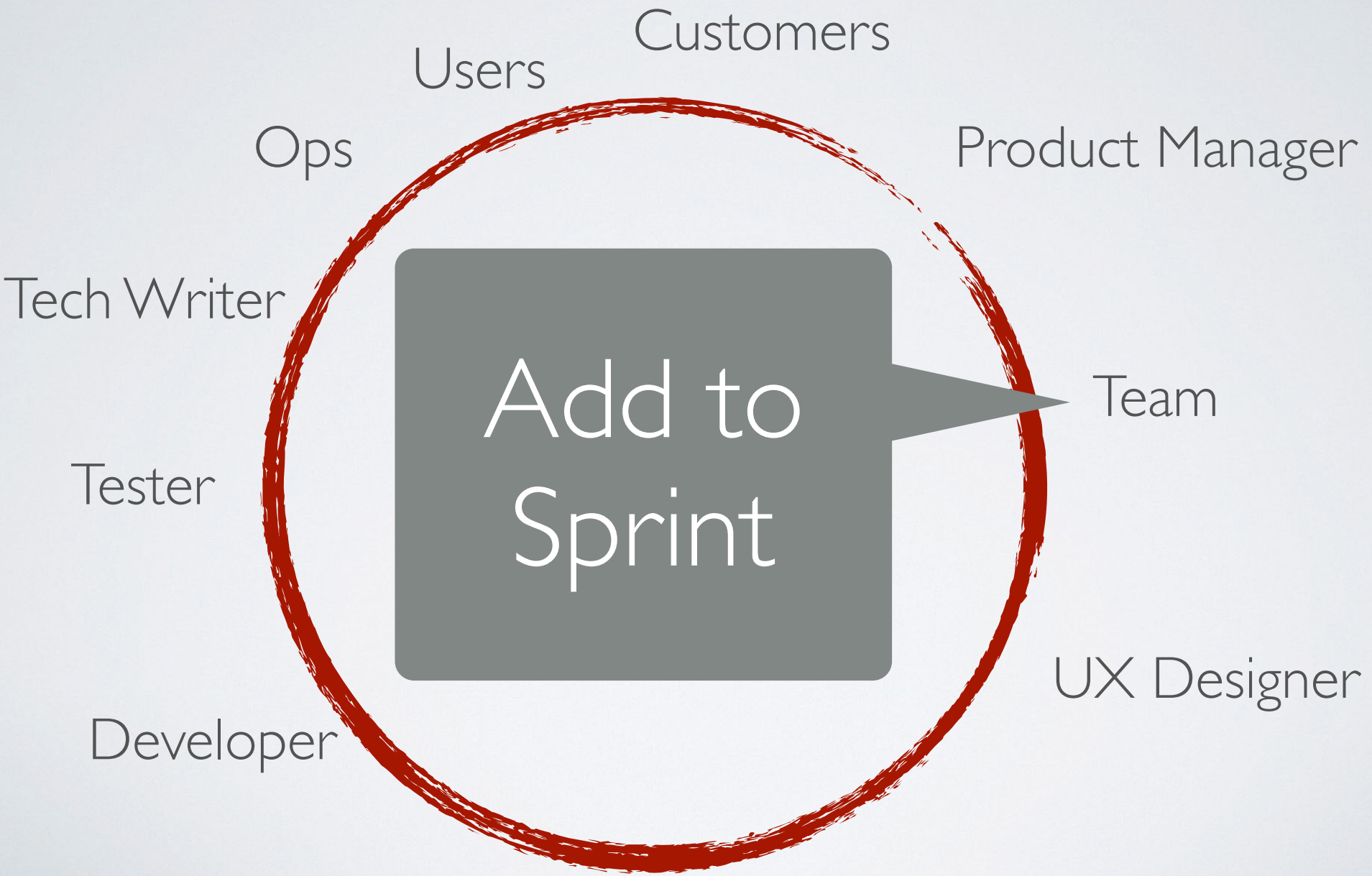
Source: https://www.atlassian.com/agile/requirements

DON'T WRITE DETAILED REQUIREMENTS

Have a "Definition of done"


Customers
Users
Ops
Product Manager
Tech Writer
Team
Tester
UX Designer
Developer


Customers
Users
Ops
Product Manager
Tech Writer
"Let's conquer this market"
Team
Tester
UX Designer
Developer

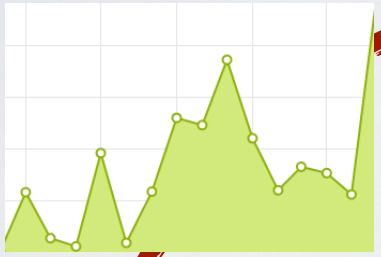

Customers
Users
Ops
Product Manager
Tech Writer
Add to Sprint
Team
Tester
UX Designer
Developer

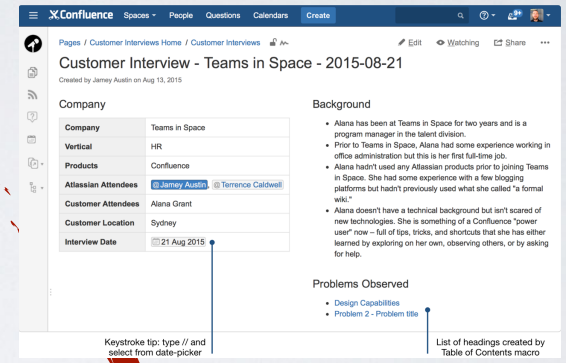
Customers
Users
Ops
Product Manager
Tech Writer
Write mock-up
Team
Tester
UX Designer
Developer

Customers
Users
Ops
Product Manager
Tech Writer
"Say no more!"
Team
Tester
UX Designer
Developer

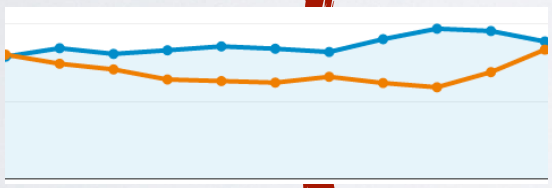
ARTIFACTS

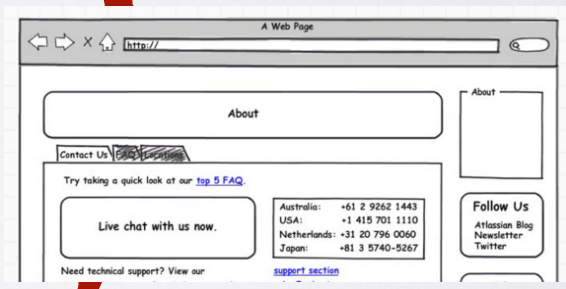
of Agile process

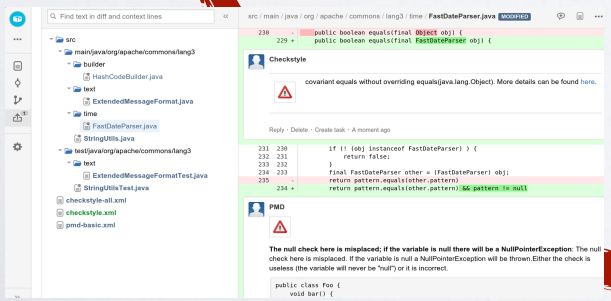


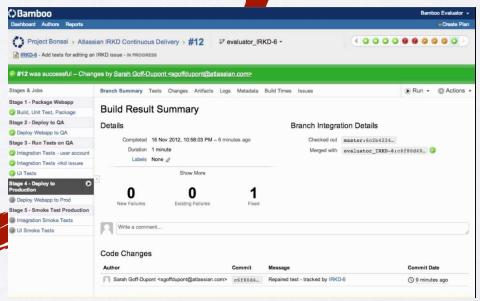


User interviews
Mock-ups
Green builds
Code Review
Analytics A/B
Sales graphs



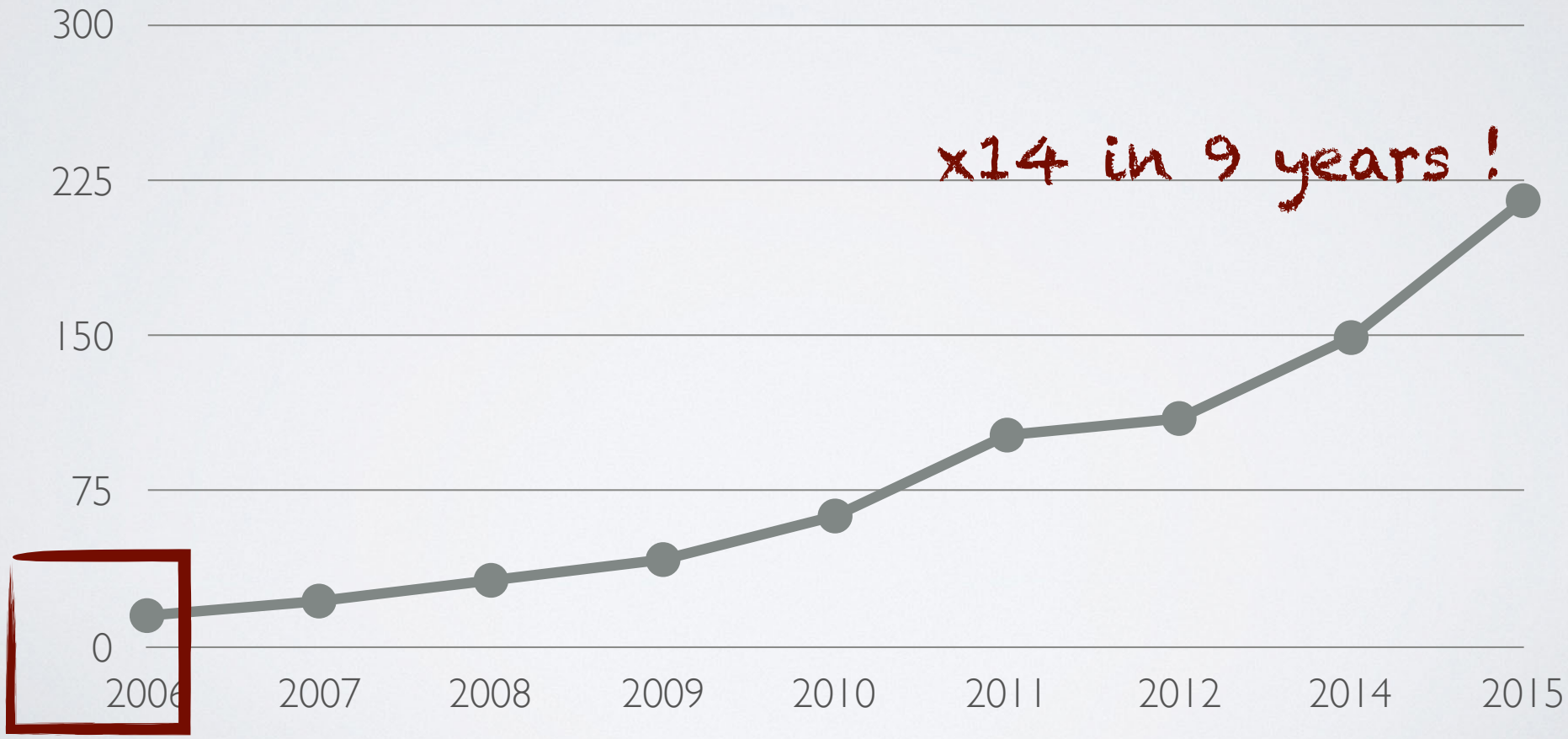






BYPRODUCT

of canonical requirement management



Source: https://www.quora.com/How-might-you-attempt-an-estimated-valuation-of-Atlassian

AGILE, BUT…

Exceptions

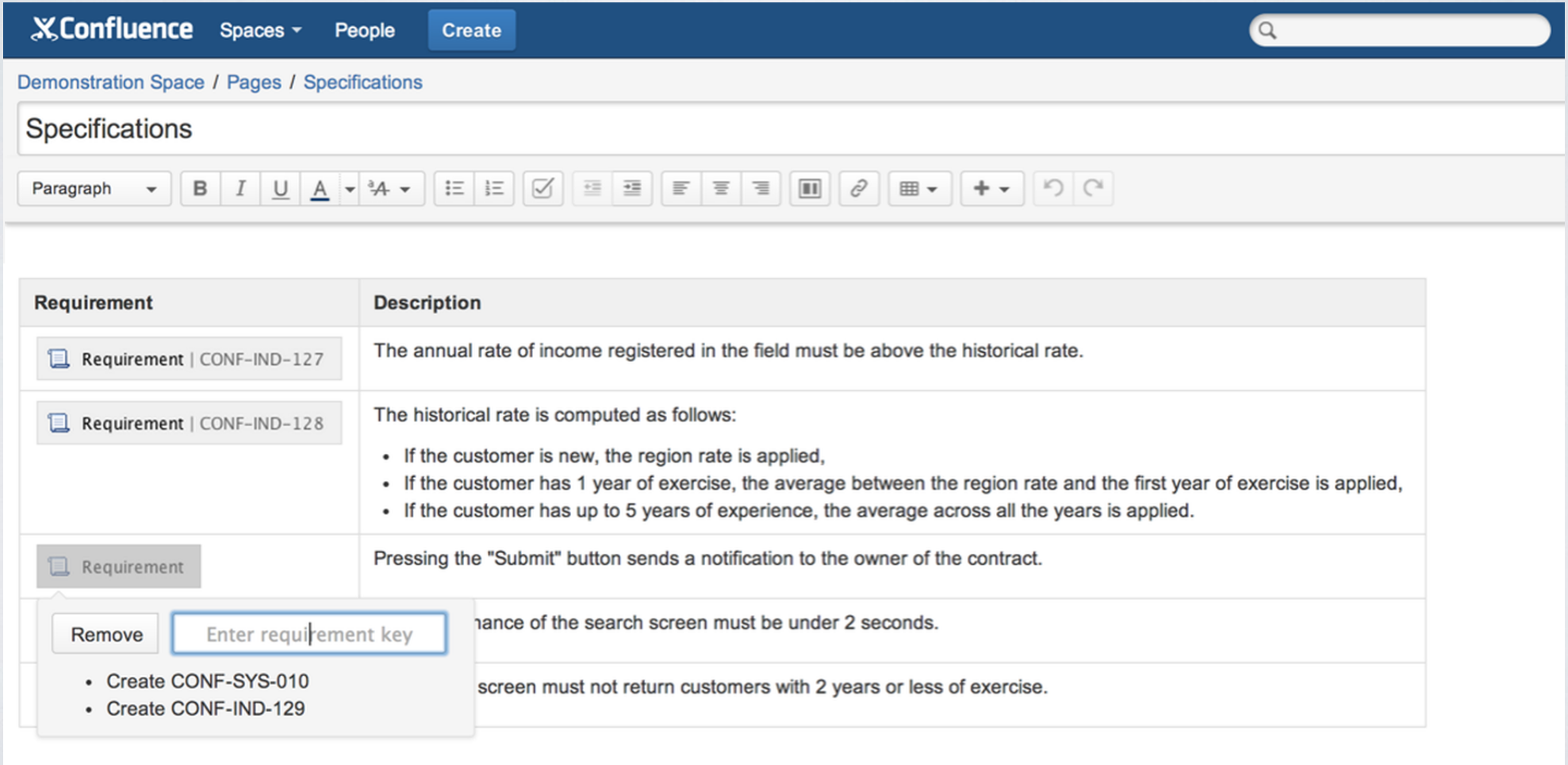
- Contract and % of completion
- Hardware project / No MVP subset
- Compliance with a standard
- Progress towards Agile

MANAGING REQUIREMENTS

3. Requirement Yogi .

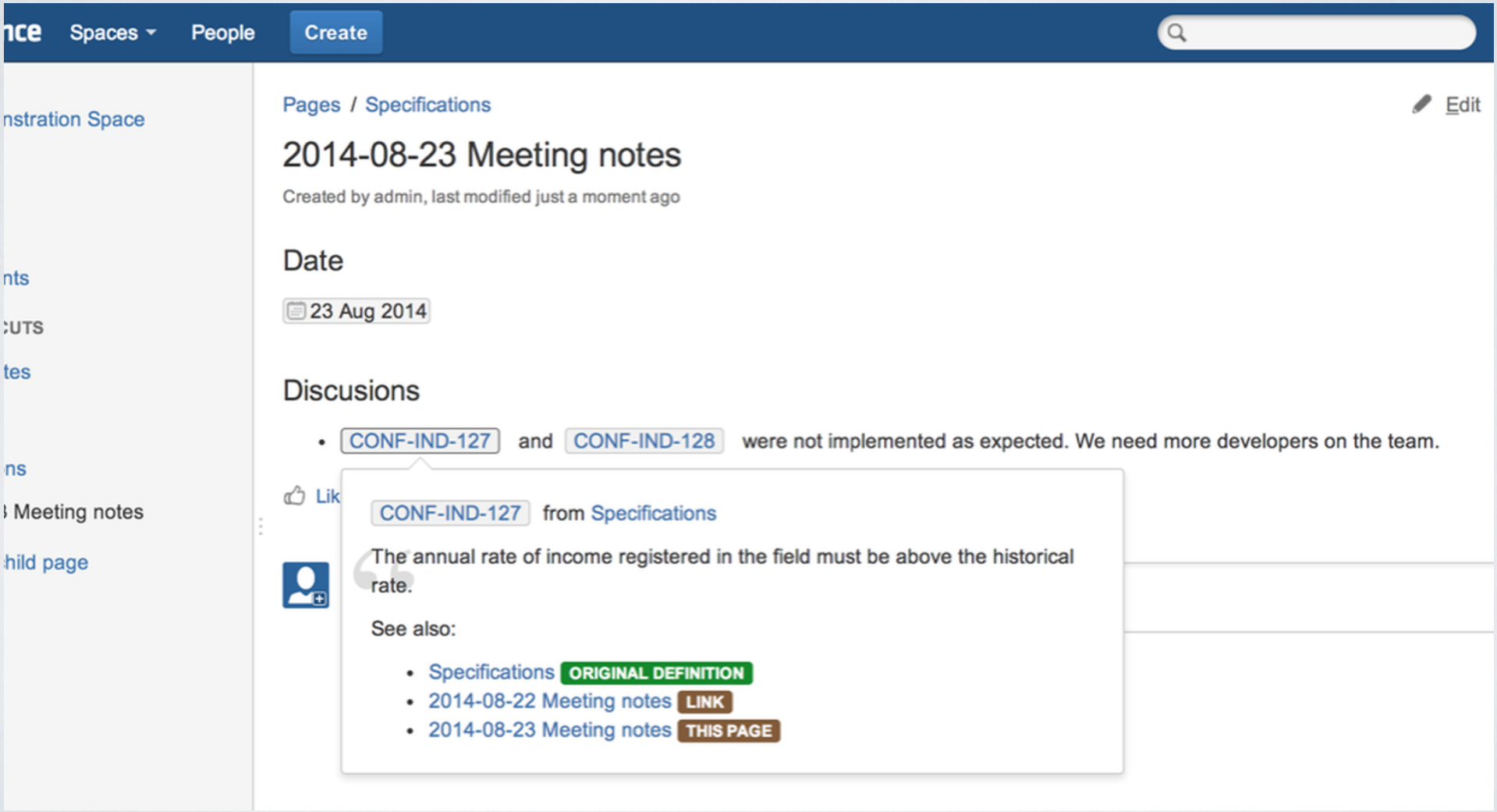
INSERT A REQUIREMENT

Alt + Shift + R



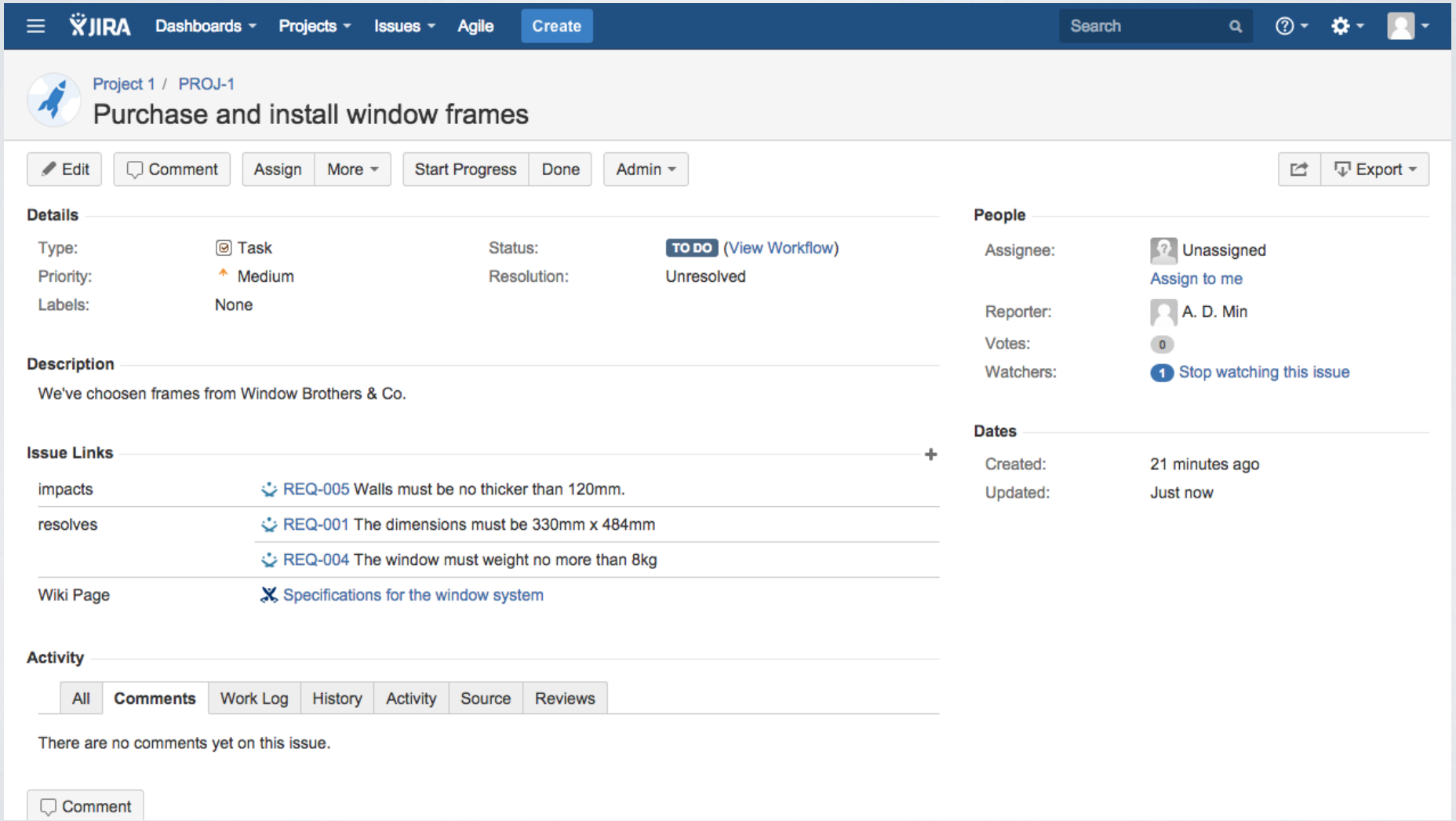
HOVER

in every follow-up discussion, mock-up, proposal, mention



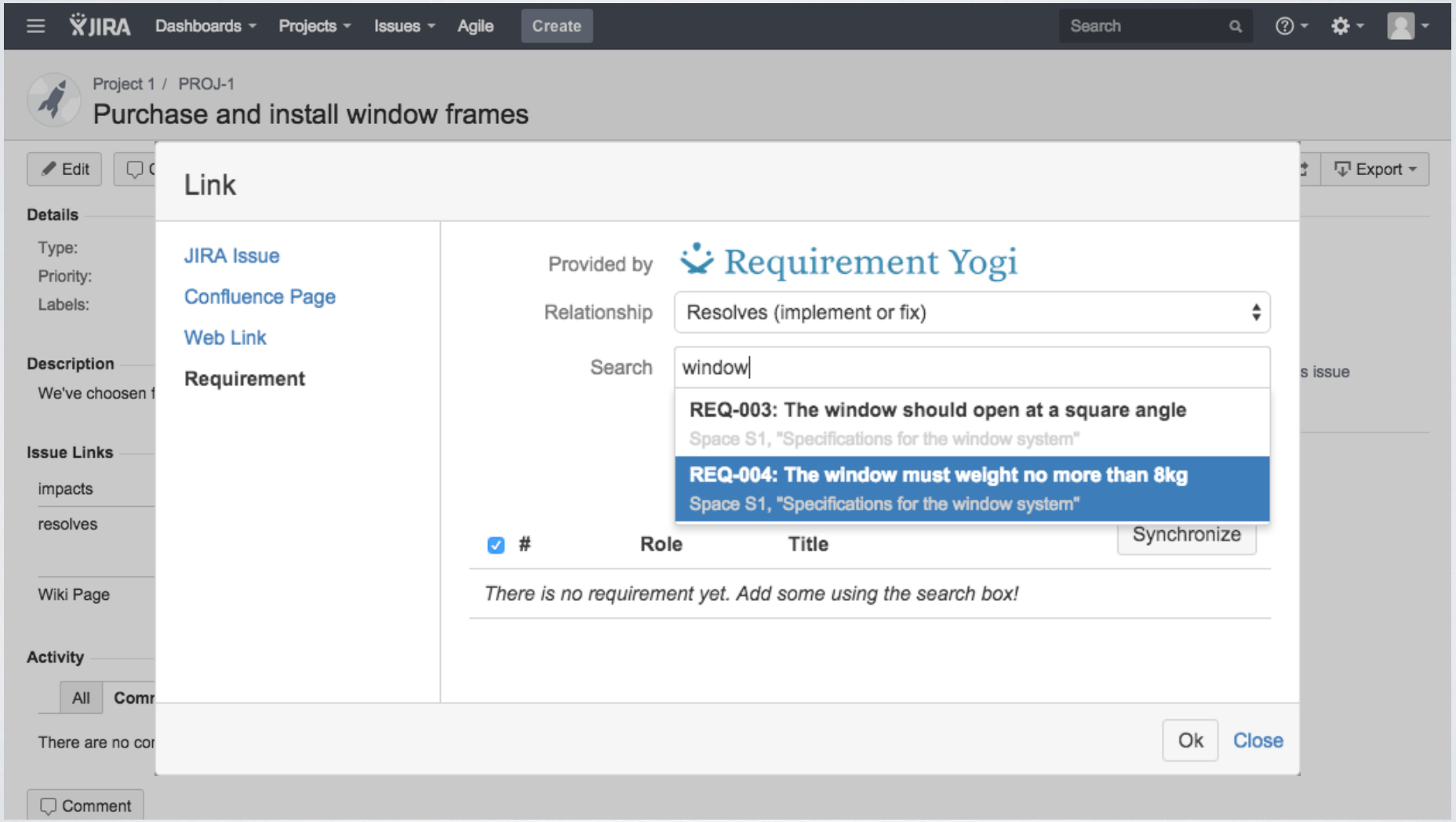
JIRA

Context for developers



JIRA

"Remote Issue Links"



PROPERTIES

in tables

Req	Title	Category	Screens
IG-1	Add a login screen	UI Changes	Login sceren
IG-2	Add a menu	UI Changes	Login screen

IG-2 **ORIGINAL DEFINITION**

> Add a menu

- Category: UI Changes
- Screens: Login screenMain sceren

See also:

- Mobile specifications **ORIGINAL DEFINITION**
- PROJ-1 Improvement request for the mobile app **JIRA** (resolves)

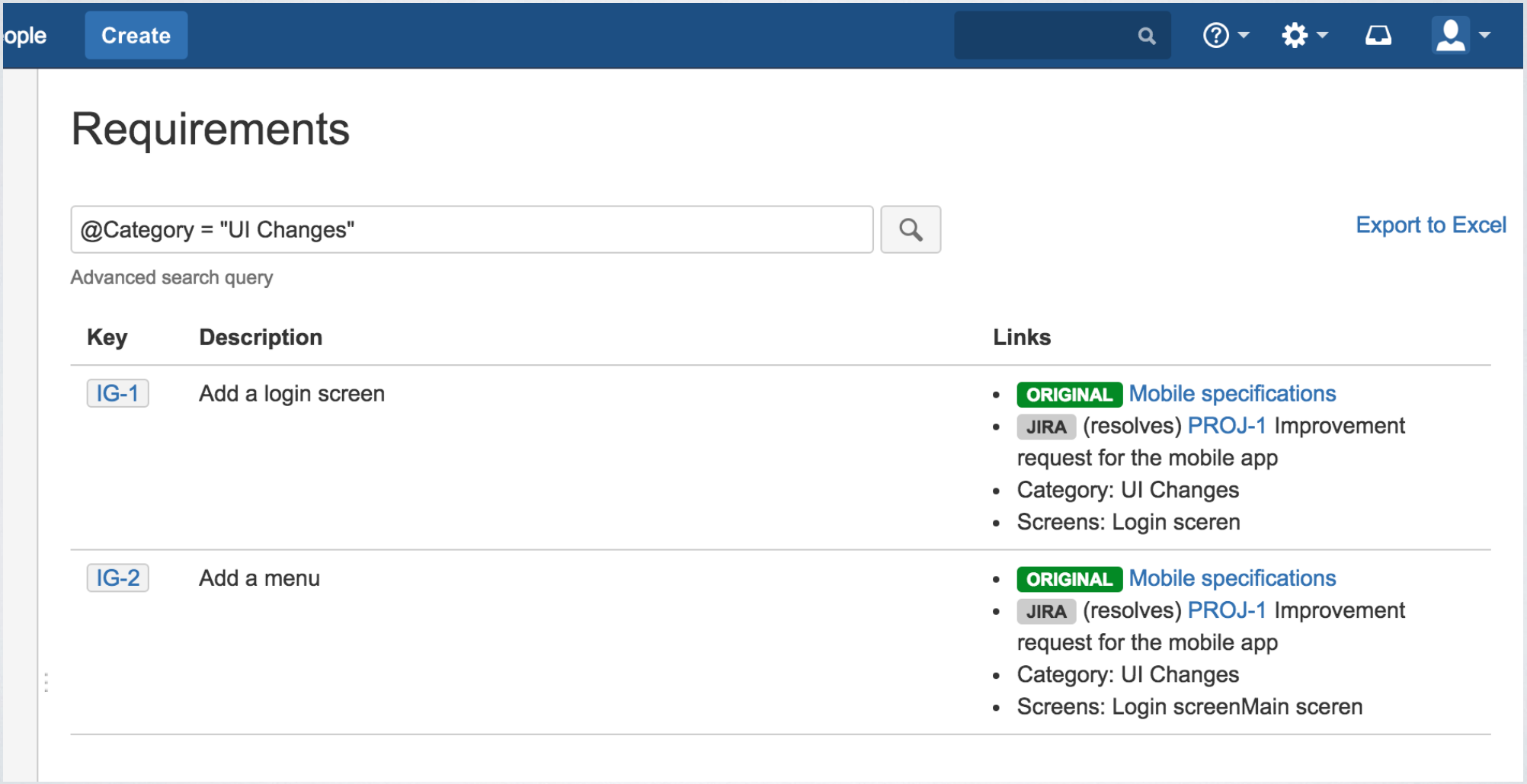
Cleaner description

Each column as a property

Simple properties are searchable

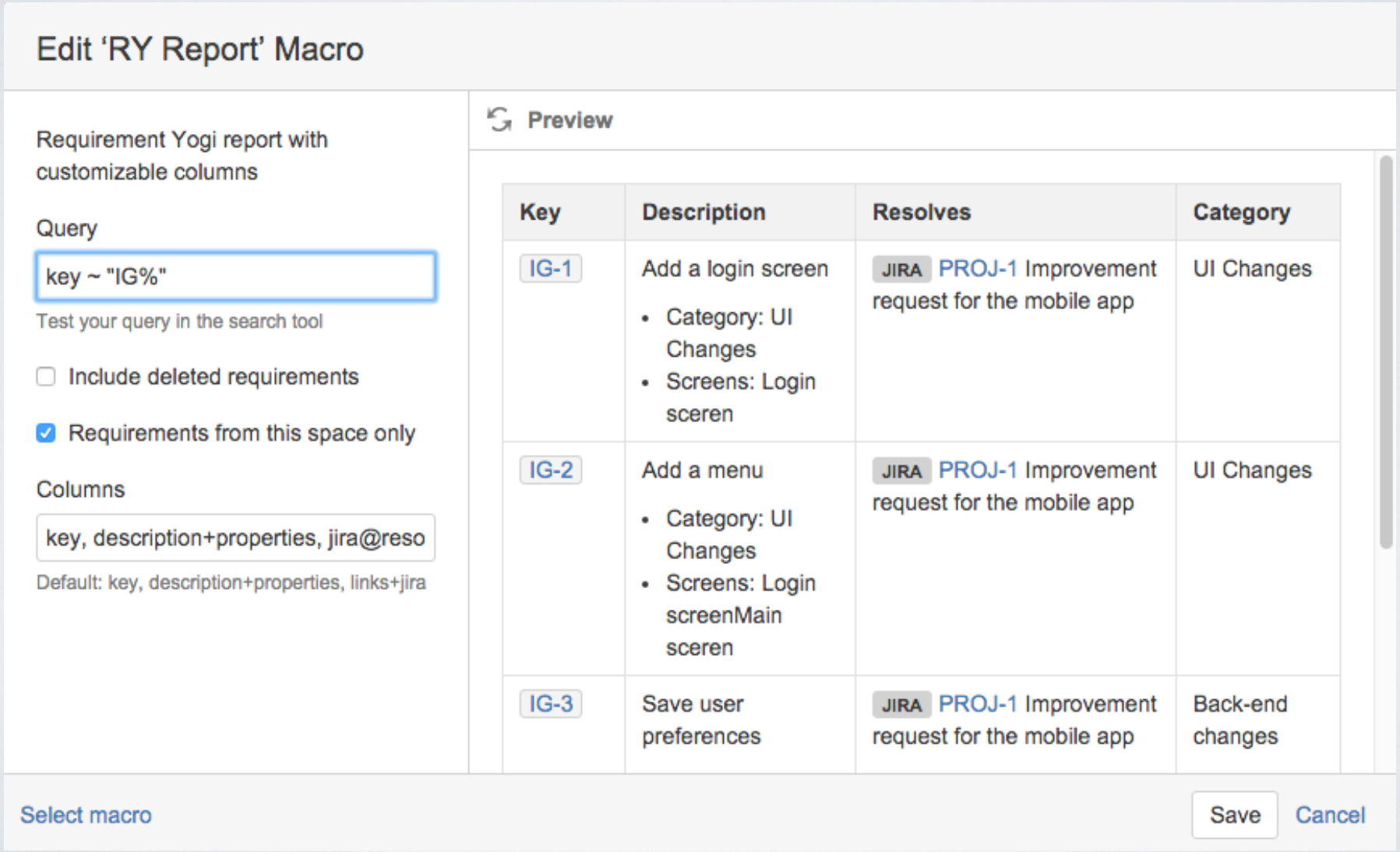
PROPERTIES

in search



PROPERTIES

in reports



CHALLENGES

QUICK IMPORT

inline creation

Functional Requirements

EMMA Req. No.	Requirement	Parent Requirements	Source Reference	Category	Comment
Service Provision					
Tech_Gen_01	For all levels of implementation, the A-SMGCS shall provide equipment to support the Surveillance service	A-SMGCS shall provide a surveillance service to the users.	Op_Serv-01 [ICAO §2.2.1]	TG	
Tech_Gen_02	The A-SMGCS shall provide equipment to support the Control service.	A-SMGCS level II shall provide a surveillance service to the users.	Op_Serv-14 [ICAO §2.2.1]	TG	
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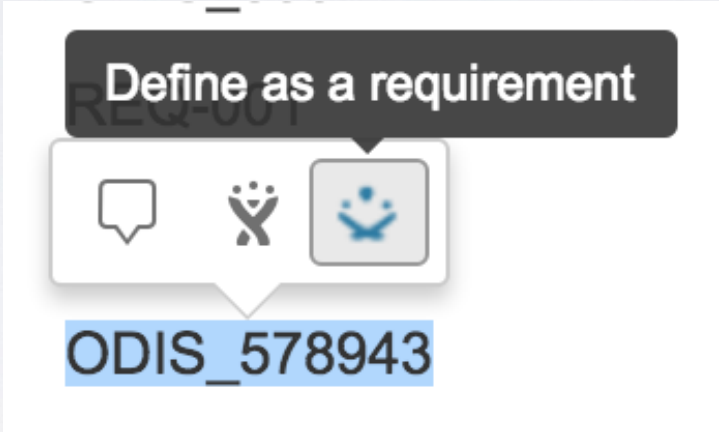
Tech_Gen_04	For higher levels of implementation, the A-SMGCS	In order to achieve the maximum benefits at each level of A-SMGCS	ICAO §2.2.2	TG	

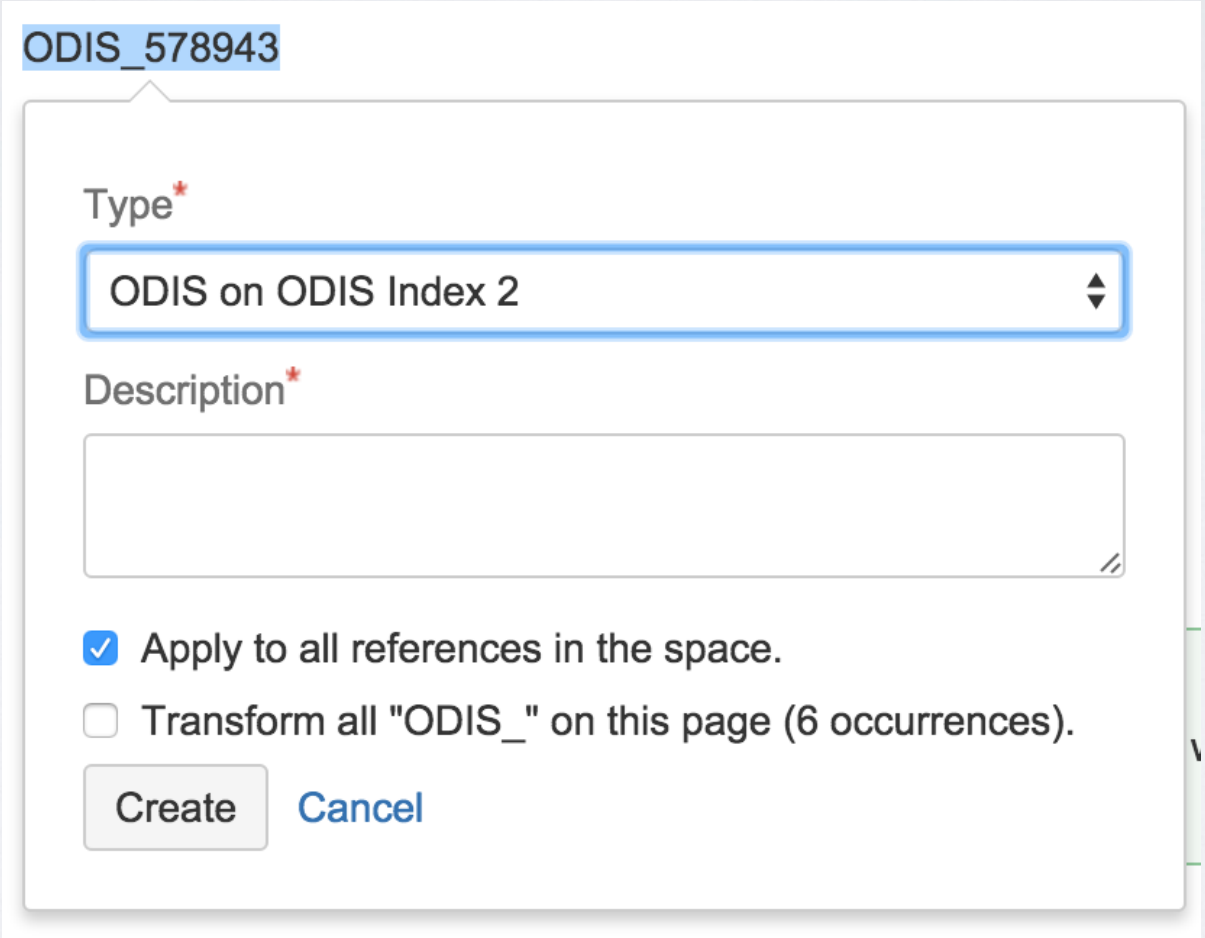
QUICK IMPORT

inline creation



QUICK IMPORT

inline creation



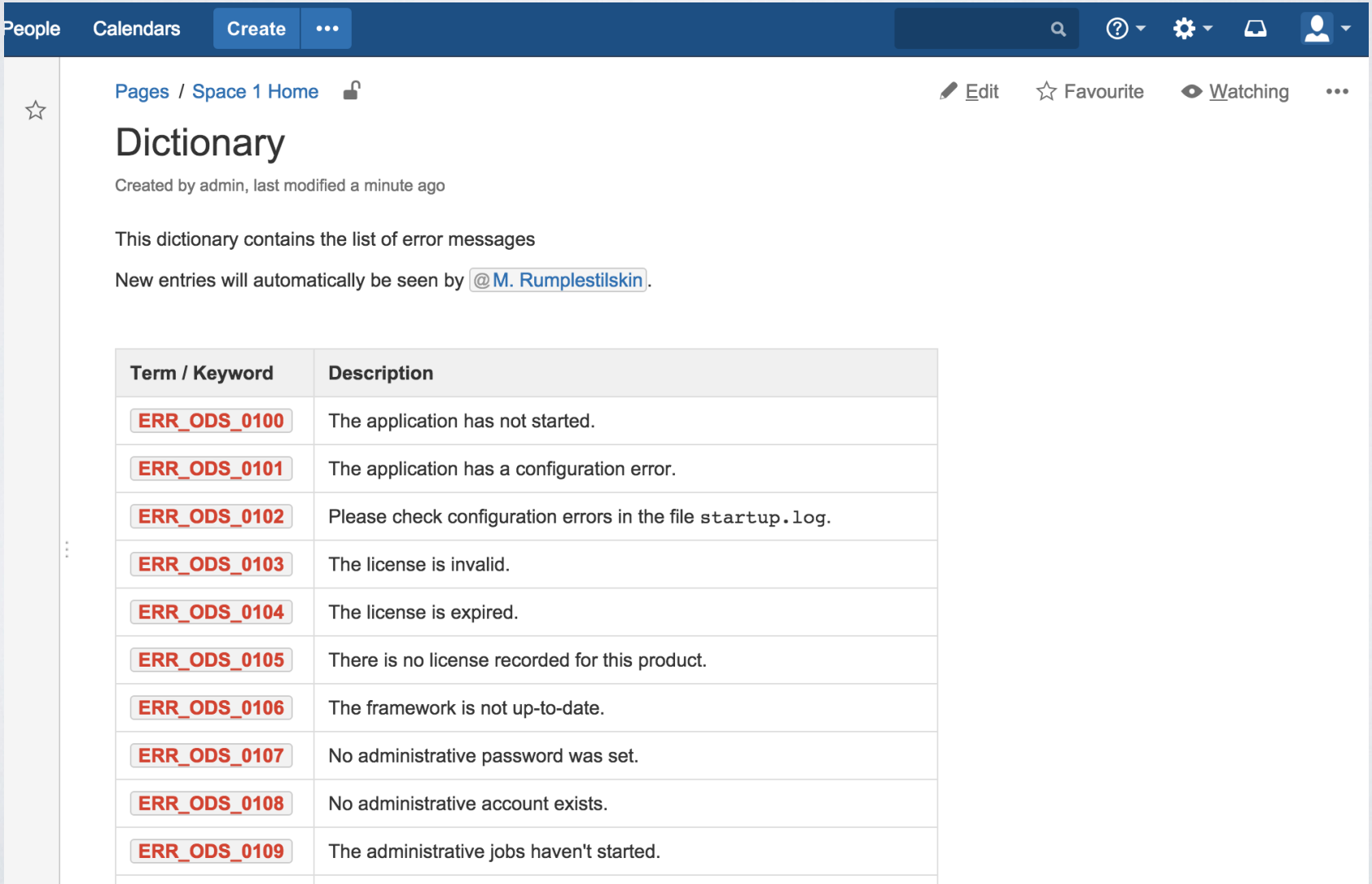
QUICK IMPORT

inline creation

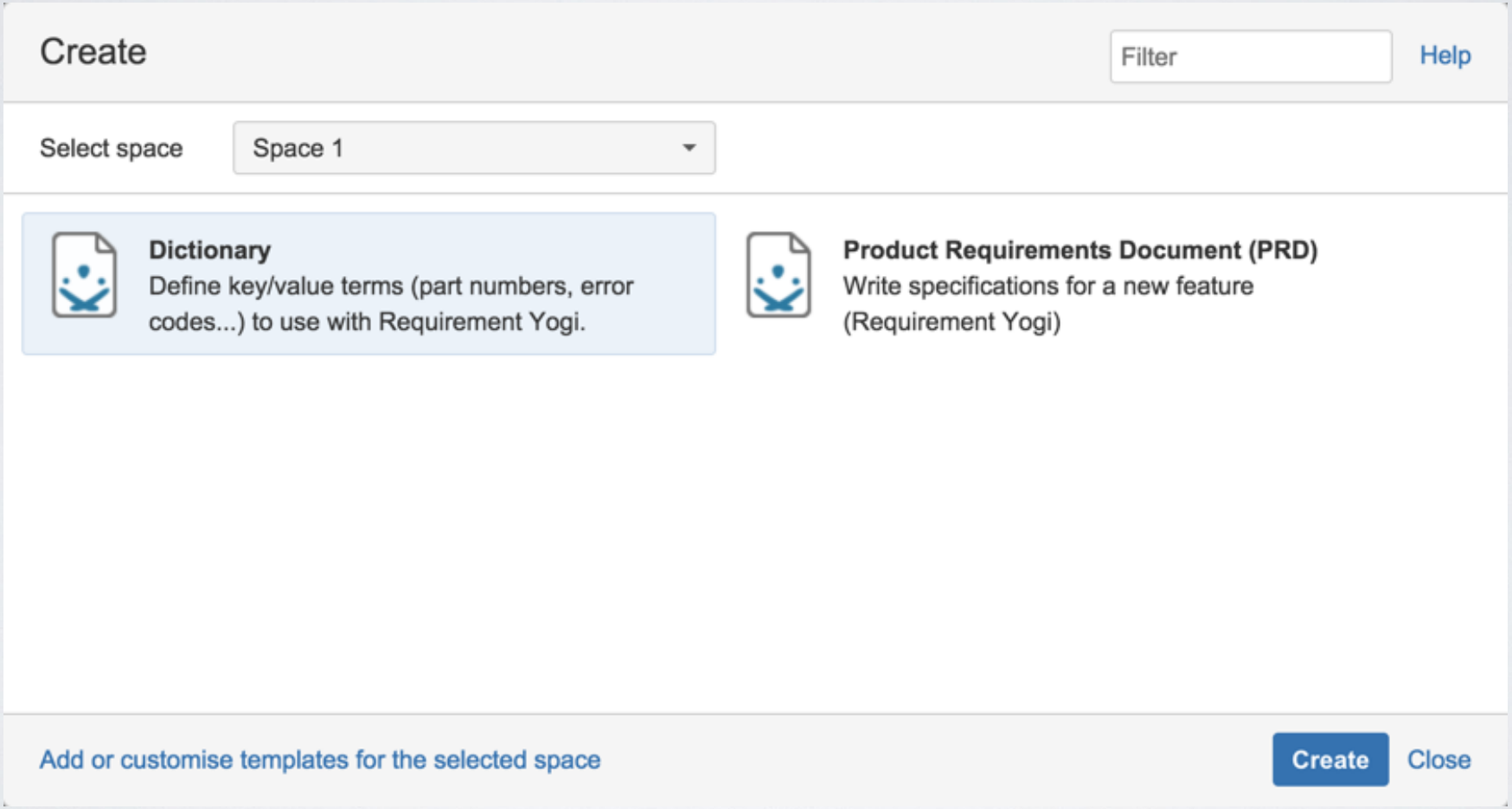
Key	Description	Resolves	Category
IG-1	Add a login screen • Category: UI Changes • Screens: Login sceren	JIRA PROJ-1 Improvement request for the mobile app	UI Changes
IG-2	Add a menu • Category: UI Changes • Screens: Login screenMain sceren	JIRA PROJ-1 Improvement request for the mobile app	UI Changes
IG-3	Save user preferences • Category: Back-end changes	JIRA PROJ-1 Improvement request for the mobile app	Back-end changes
IG-4	Check performance • Category: Performance		Performance

QUICK IMPORT

inline creation

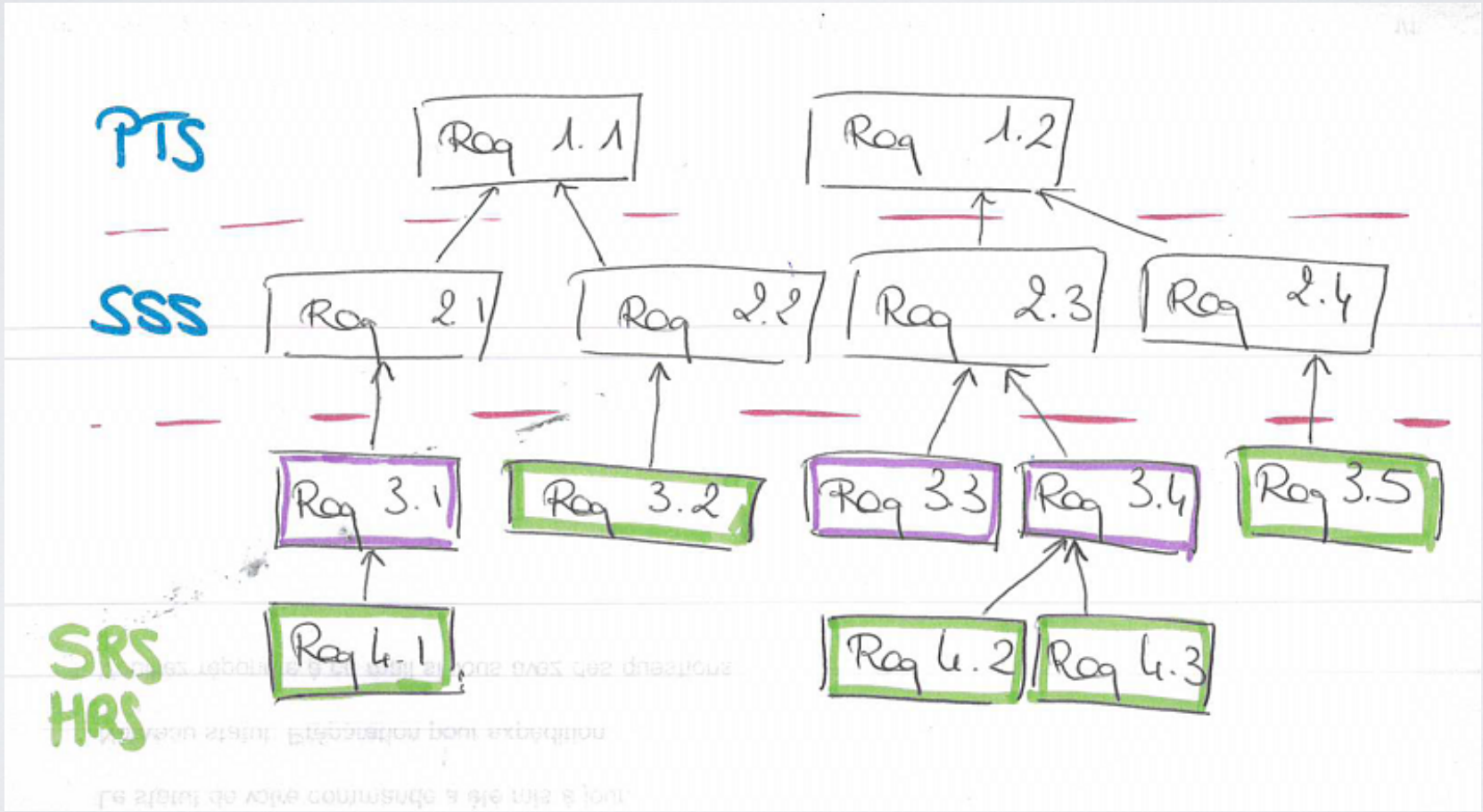


BLUEPRINTS


Create
Filter
Help
Select space
Space 1
Dictionary
Define key/value terms (part numbers, error codes...) to use with Requirement Yogi.
Product Requirements Document (PRD)
Write specifications for a new feature (Requirement Yogi)
Add or customise templates for the selected space
Create
Close

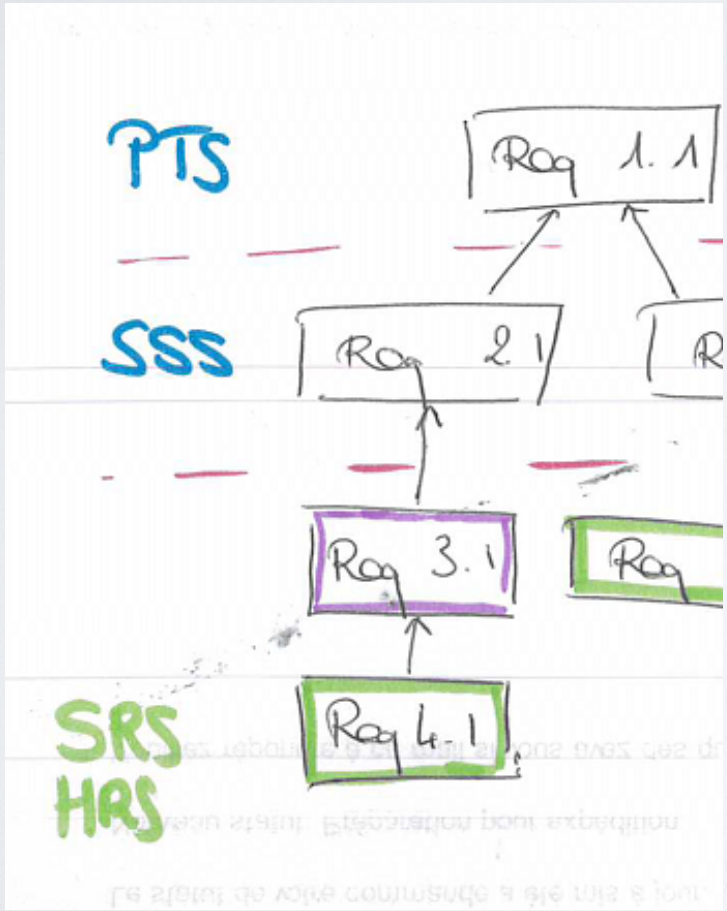
HAVE I COVERED ALL THE REQUIREMENTS?

Dependency matrix



HAVE I COVERED ALL THE REQUIREMENTS?

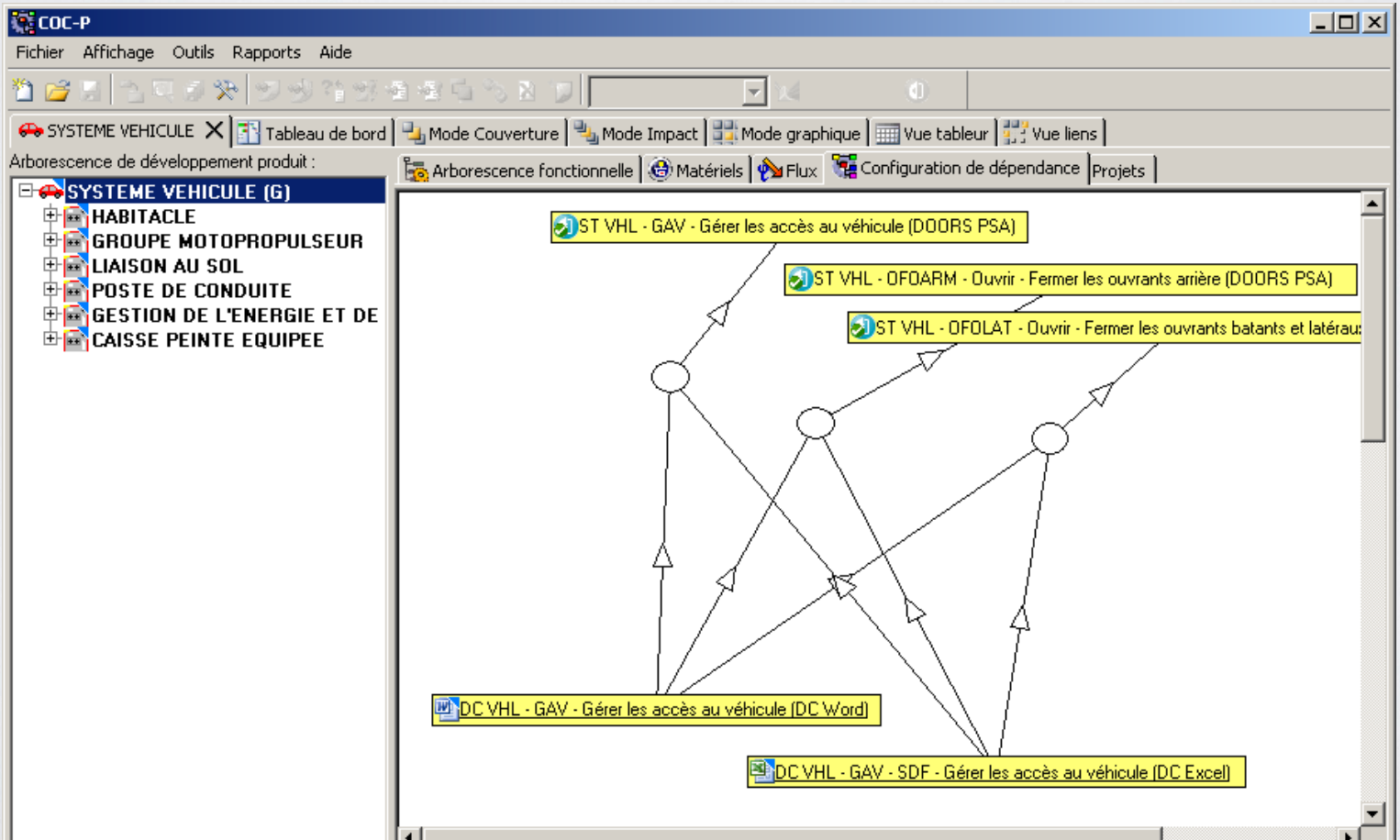
Dependency matrix



- Reqtify
- Excel export
- Custom report

HAVE I COVERED ALL THE REQUIREMENTS?

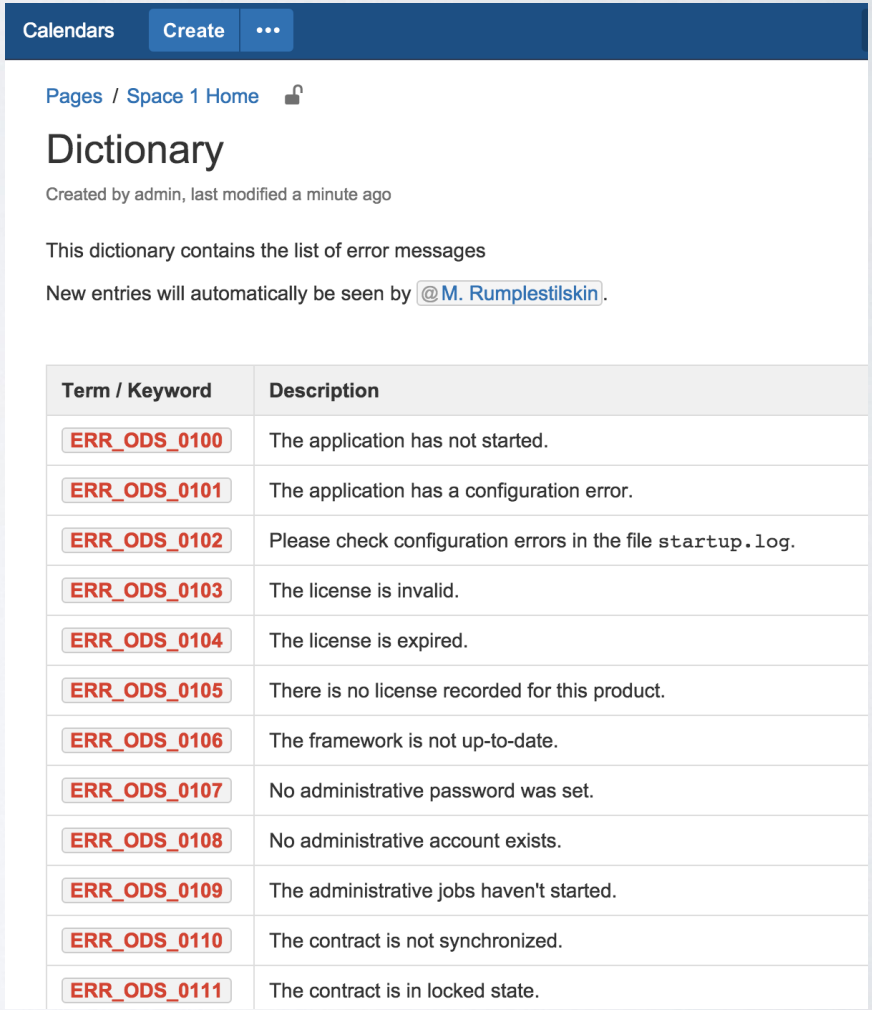
Reqtify



On the roadmap:

VERSIONS

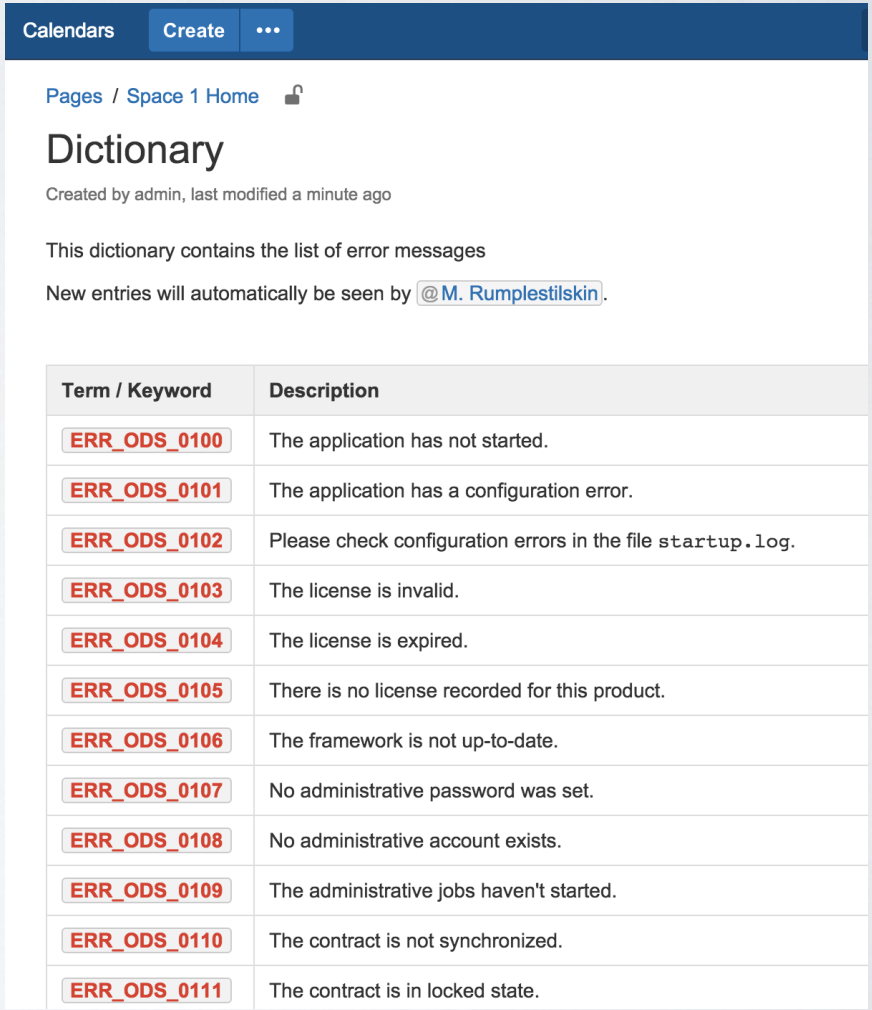
- Baseline a set of requirements
- Reach the page history



On the roadmap:

TESTING

- Blueprint: from requirements to test scenario
- Red / Yellow / Green indicators



TAKE-AWAYS

- **"Nobody likes using requirements"**
  Customer interviews, personas, team sport
- **RMsis, synapseRT, R4J…**
  Requirements and testing in JIRA
- **Requirement Yogi**
  for documents in Confluence

THANK YOU

Adrien Ragot - Play SQL
@aragot