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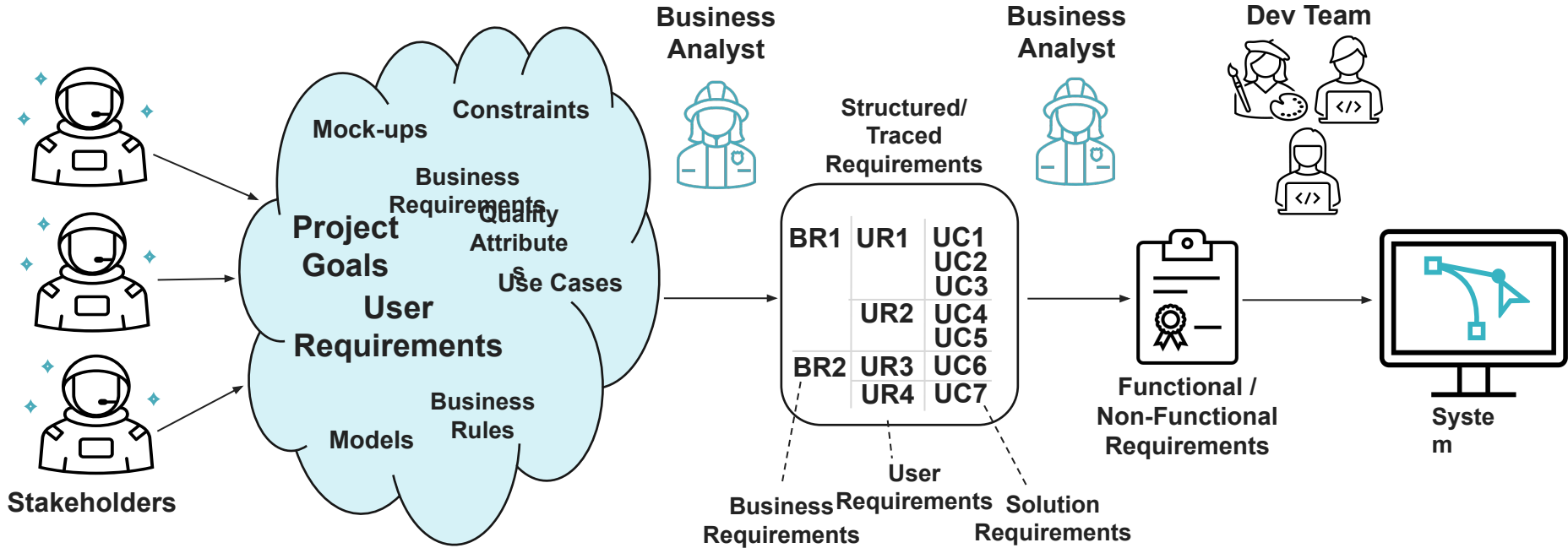
Requirements Development and Management. Overview.



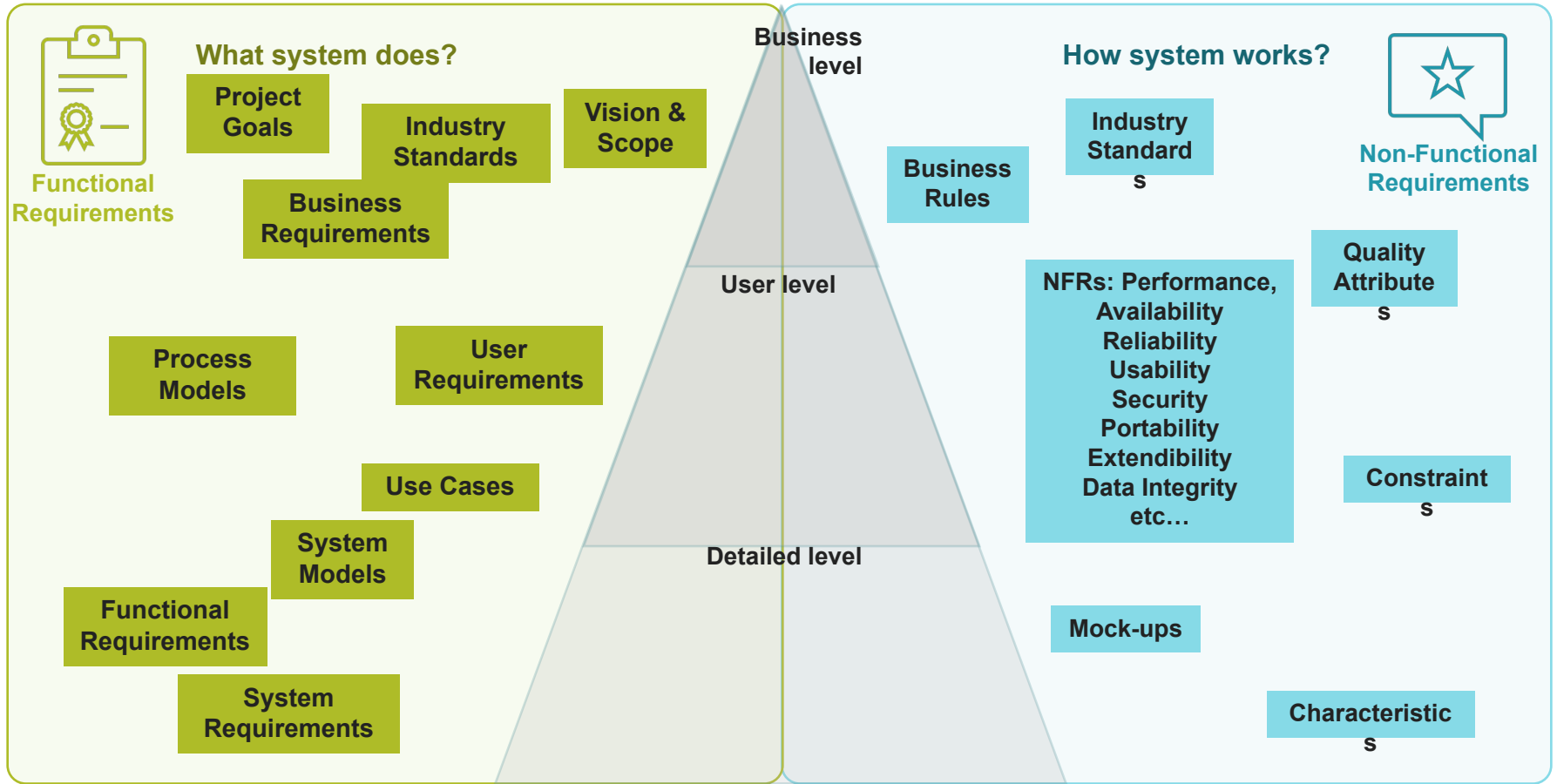
TRAINING
CENTER

— <epam> —

WHAT IS A REQUIREMENT?

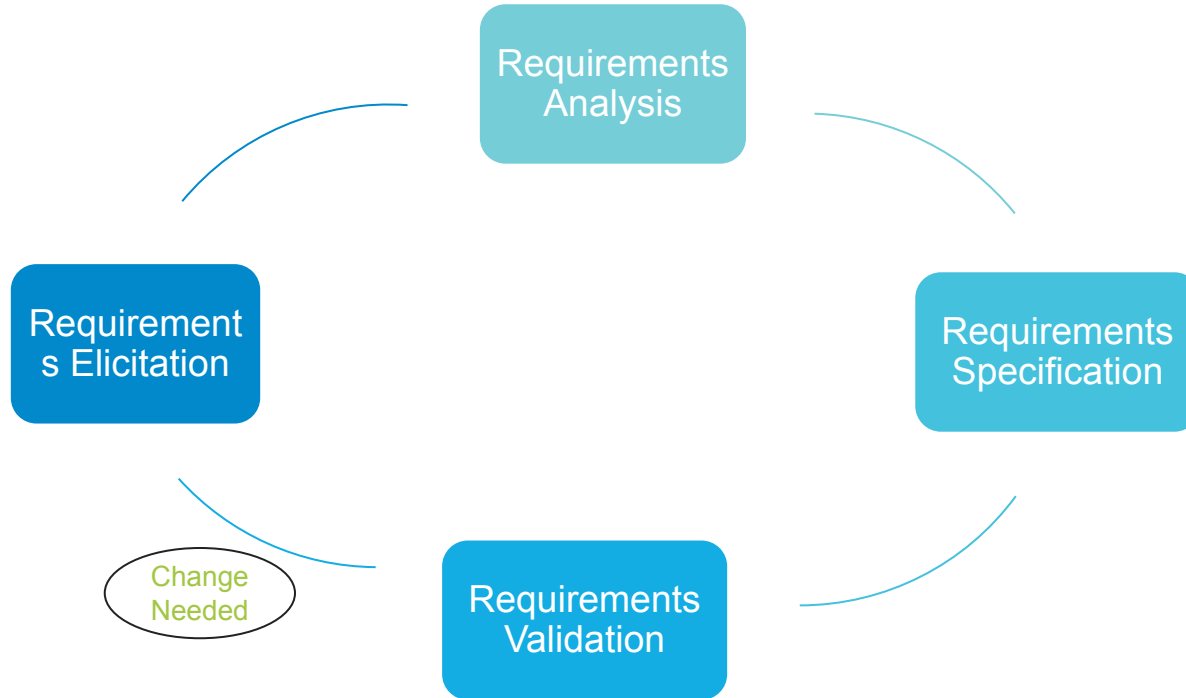


LEVELS OF REQUIREMENTS



EXAMPLES OF REQUIREMENTS

	Idea behind	Example
Business Requirements	Why the organization needs this system?	We as an airline want to reduce the cost of check-in counter employees by 25%
User Requirements	What user should be able to do within the system?	Passenger shall be able to quickly check in for the flight
User Story	What user should be able to do within the system to achieve the goal?	As a passenger I want to be able to check in quickly to get to the plane in time
Functional Requirements	What functions the system should perform?	FR1 System shall allow the user with “Customer” role to select the Flight from the dropdown list FR1.1 The list of Flights shall include Flights labelled as “Outbound” only
Non-Functional Requirements	How should the system behave?	System shall support 10 000 CCU

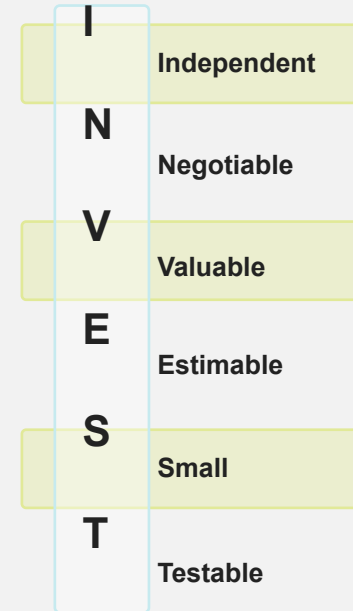


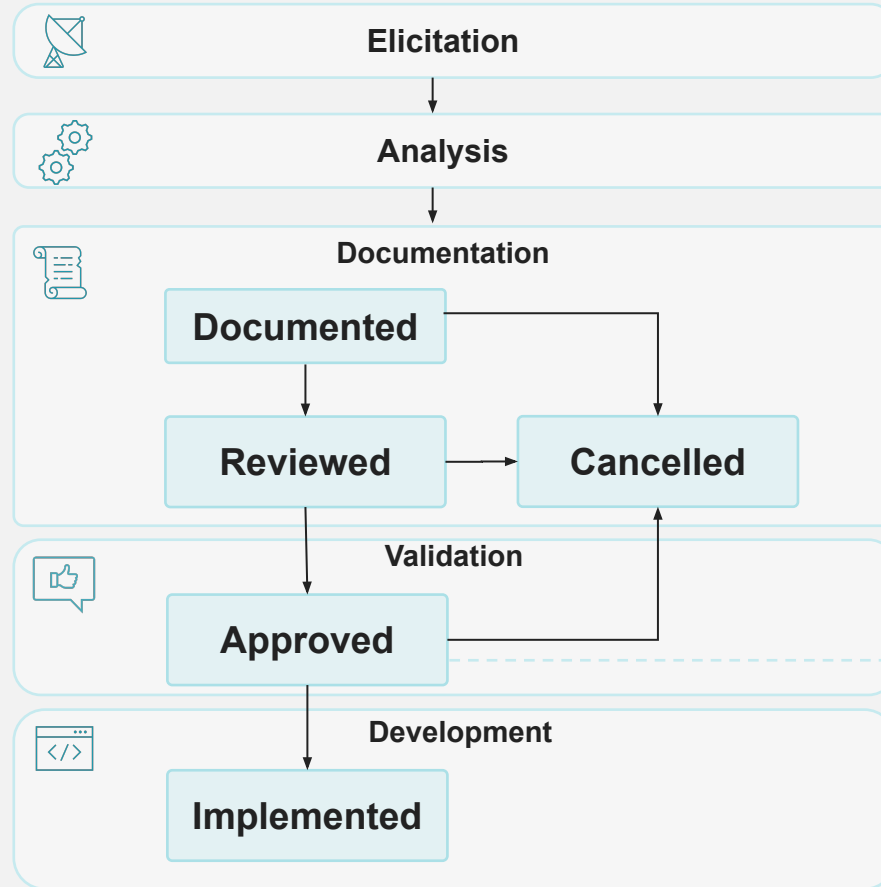
QUALITY OF REQUIREMENTS

	Idea behind
Correctness	to cover all the requirements that are expected from the system
Unambiguousness	to make sure that there's only one interpretation
Completeness	all parts of requirements are fully documented
Modifiability	can be changed without unwanted consequences
Feasibility	it should be possible to implement the requirement within the timeframe and the budget
Testability	it should be easy to generate test cases from the requirements
Prioritization	to have the criterion to classify the requirements as less or more important
Consistency	there's no conflicts between the requirements
Traceability	ability to trace requirements to design component, test case and code segment

Set of requirements

Agile 





Baseline. Its version can be updated via Change Management process

Requirements management knowledge area describes the tasks that business analysts perform in order to maintain the integrity, accuracy, and currency of requirements:

- Maintaining Requirements
- Tracing Requirements
- Prioritizing Requirements
- Requirements Change Management
- Approving Requirements

REQUIREMENT ATTRIBUTES

Unique ID

Status

Version number

Requirement name

Priority

Component/
Feature

Text of the
requirement

Links,
dependencies

Creator

Assignee

Creation Date

Due Date

Estimation

EPAM Competency Platform / EPMCL-122

Login to the system

Q Add comment Assign More

Details

Type: Requirement

Priority: Major

Component/Feature: Consult tool

Labels: None

Epic Link: None

Description

1. Login page should be displayed by entering system address in the browser
2. To login to the system user should provide:
 1. E-mail address
 2. Password
 1. By default entered password is replaced by dots
 2. There should be an "Eye" option to view entered symbols
3. The user should be able to submit entered credentials by clicking "Войти" button
4. System should validate provided credentials
 1. If the user provides incorrect email or password the system should display a message: «Неправильный логин или пароль»
 5. If the credentials are valid the user is navigated to the system

Attachments

- Login page. Error message.p 11/Dec/19 6:39 PM 19 kB
- Login page. Filled.png 10/Dec/19 1:16 PM 17 kB
- Login page.png 10/Dec/19 1:16 PM 15 kB

Issue Links

Blocks

- EPMCLXDA-7395 [MinObr] Forget password functionality

Status: ANALYSIS

Resolution: Unresolved

Fix Version/s: 2021 Consulting

People

Assignee: Oleg Kuzovlev

Reporter: Adam Decker

Votes: 0

Watchers: 1

Dates

Created: 18/Aug/21 6:18 PM

Updated: 2/Sep/21 7:03 PM

Due: 17/Dec/21

Time Tracking

Estimated: 2h

Remaining: 11h

Logged: 0h

REQUIREMENTS' TRACEABILITY

	TC ID	TC_1	TC_2	TC_3	TC_4	TC_5	TC_6	TC_7	TC_8	TC_9	TC_10
Req. ID											
Req_1											
Req_2											
Req_3											
Req_4											
Req_5											

Purpose of Traceability Matrix:

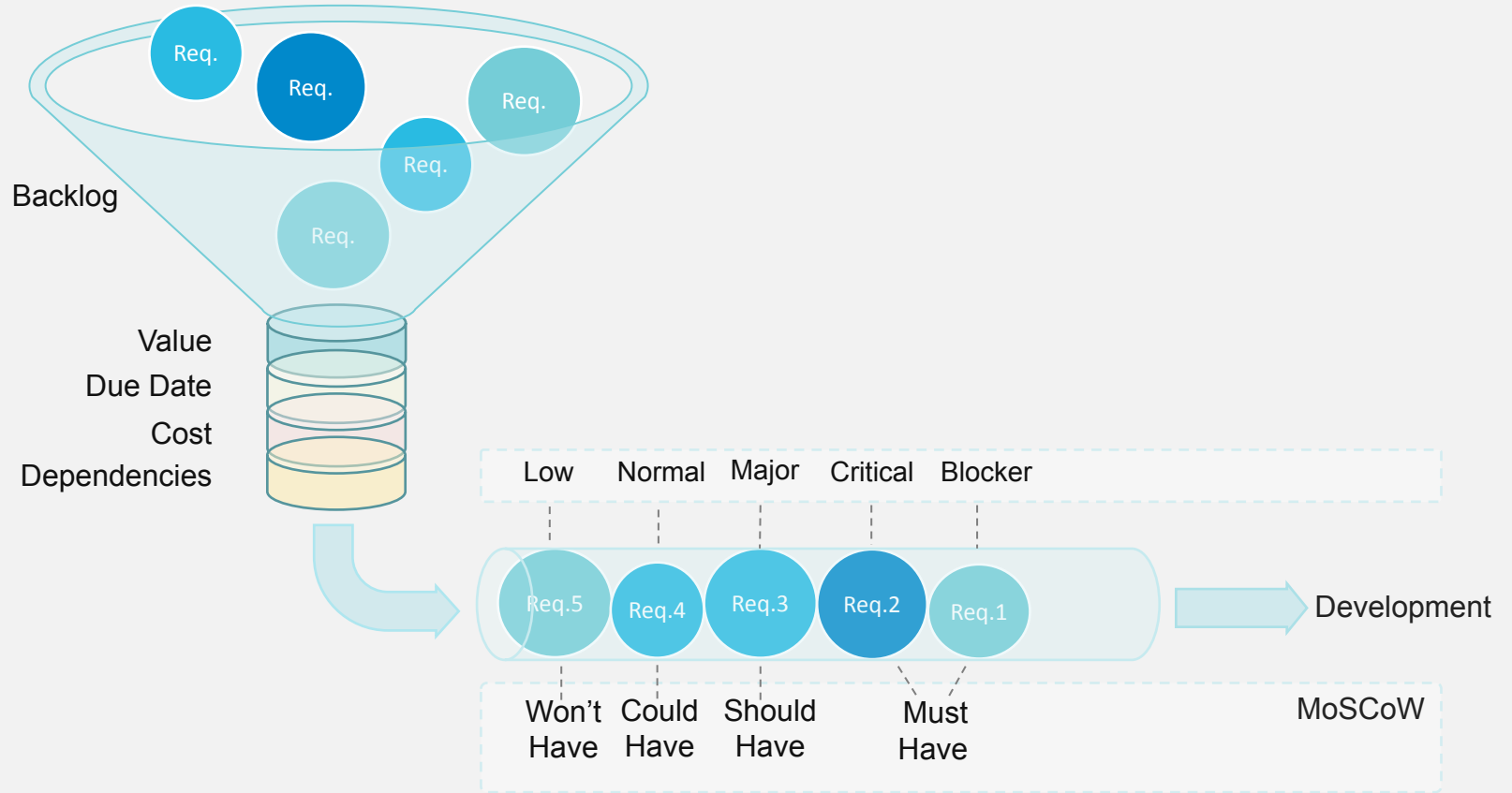
- Helps to find the context if requirements have been changed
- Control integrity of requirements and linked activities

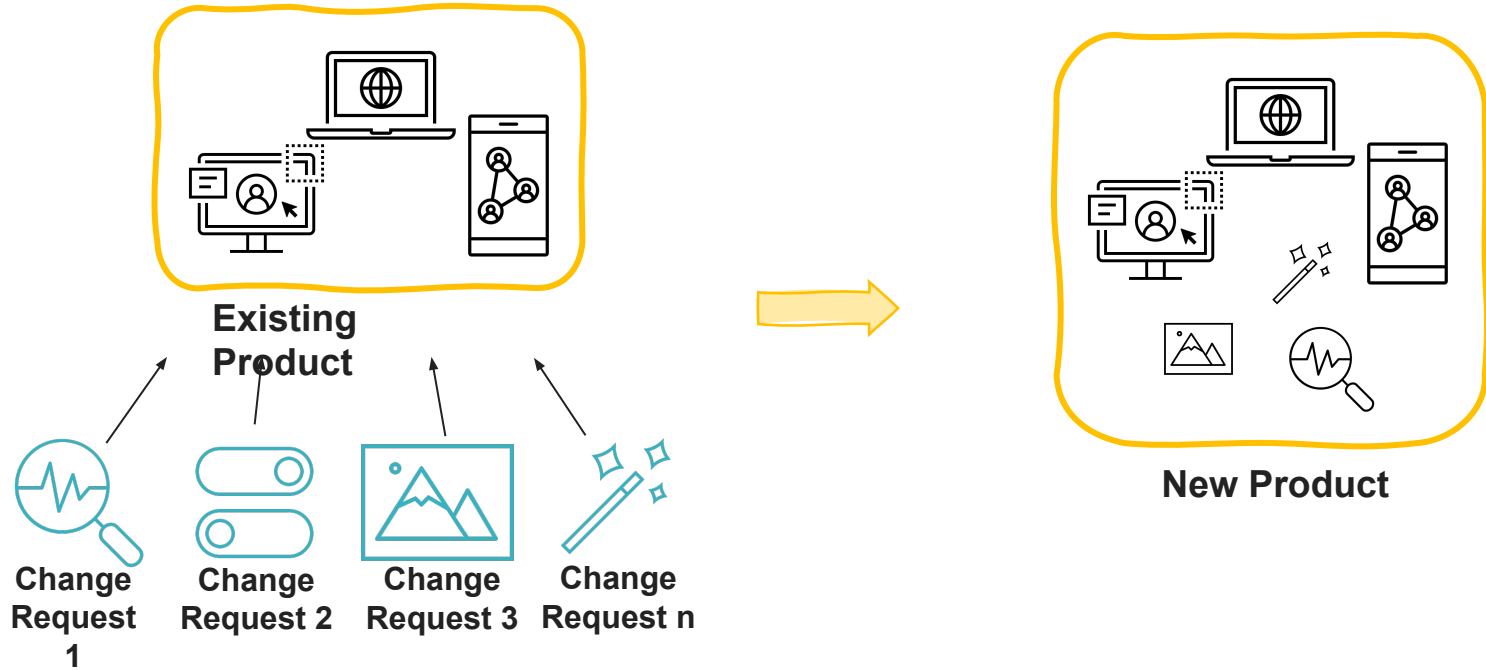
Vertical traceability

Traceability Matrix							
Project Name		Claims Module R123		Created on	9/14/2021	Reviewed on	9/17/2021
Release No		1		Created By	Ivanov Ivan	Reviewed by	Petrov Petr
Version		1					
R ID	Requirement	Status	Design Task	Dev Task	Test Case ID	User Manual	Dependencies
BR1	Reduce the time for Claim processing by 20%						
UR1	Ability to register the Claim						
FR1	System shall allow Claim User to create a Registration card	Ready for Dev	CLM-213		TC-2.12		CLM-214, CLM-324
FR2	System shall allow Claim User to edit a Registration card	Ready for Dev	CLM-214	CLM-328	TC-2.13, TC-2.14, TC-2.15, TC-16		CLM-213
FR3	System shall allow Claim User to delete a Registration card	Ready for Dev	CLM-215	CLM-329	TC-2.17, TC-2.18		CLM-224, CLM-234
FR4	System shall allow Claim User to review existing Registration card	Approved	CLM-216		TC-2.15		
UR2	Ability to search for the Claim						
FR5	System shall provide an interface for a Claim User for inputting the search query	Open	CLM-323				

Horizontal traceability

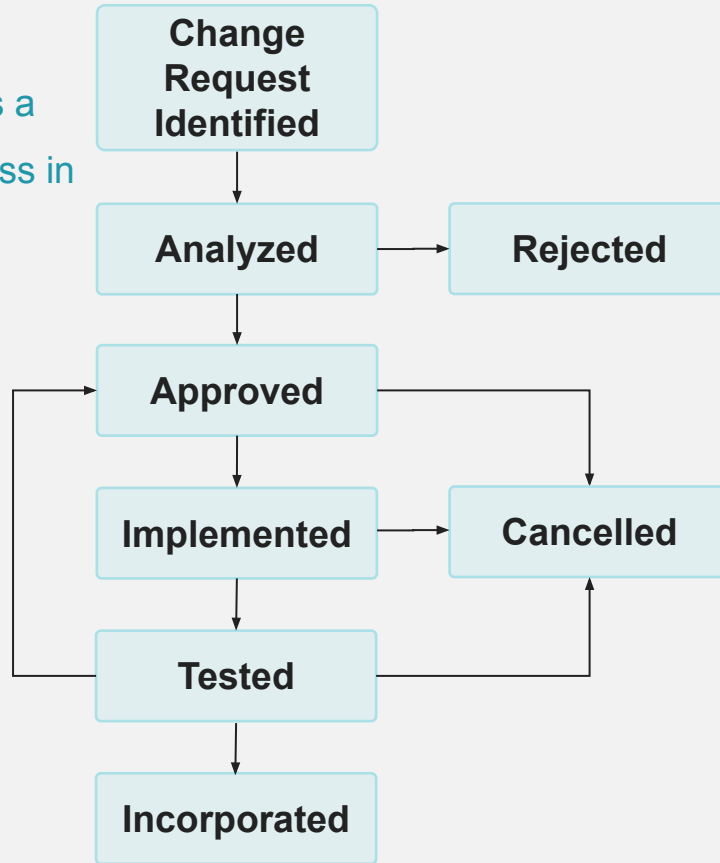
REQUIREMENTS' PRIORITIZATION



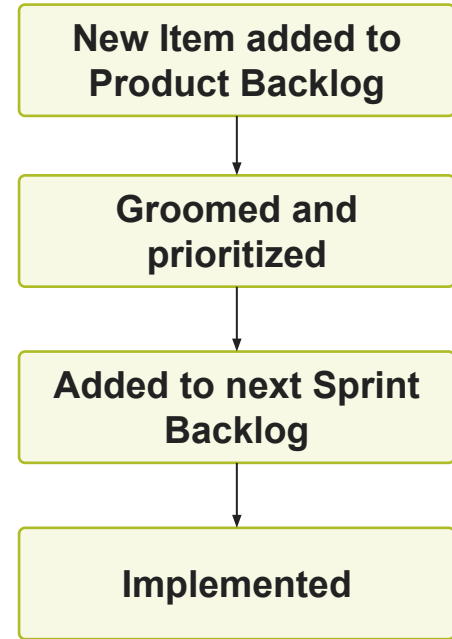


REQUIREMENTS CHANGE MANAGEMENT FLOW

Change Management is a separate process in Plan-oriented frameworks



Change Management mechanisms are already built-in to Scrum



User Acceptance Testing (UAT)

- The last phase of the software testing process.
- Performed by stakeholders on the client side
- The goal is to assess whether the software can fulfill business goals and user scenarios.





Verification

Goal:

Make sure the requirements are being **written right**

How to:

Check **consistency** of requirements

Methods:

Check Lists (DoR)
BA Lead's review
Peer review



Validation



Goal:

Make sure the **right requirements** are being written.

How to:

Check that requirements fully meet **stakeholders' goals**

Methods:

Demo,
Feedback request
Artifacts' review
UAT