CyberLogitec

VIETNAM

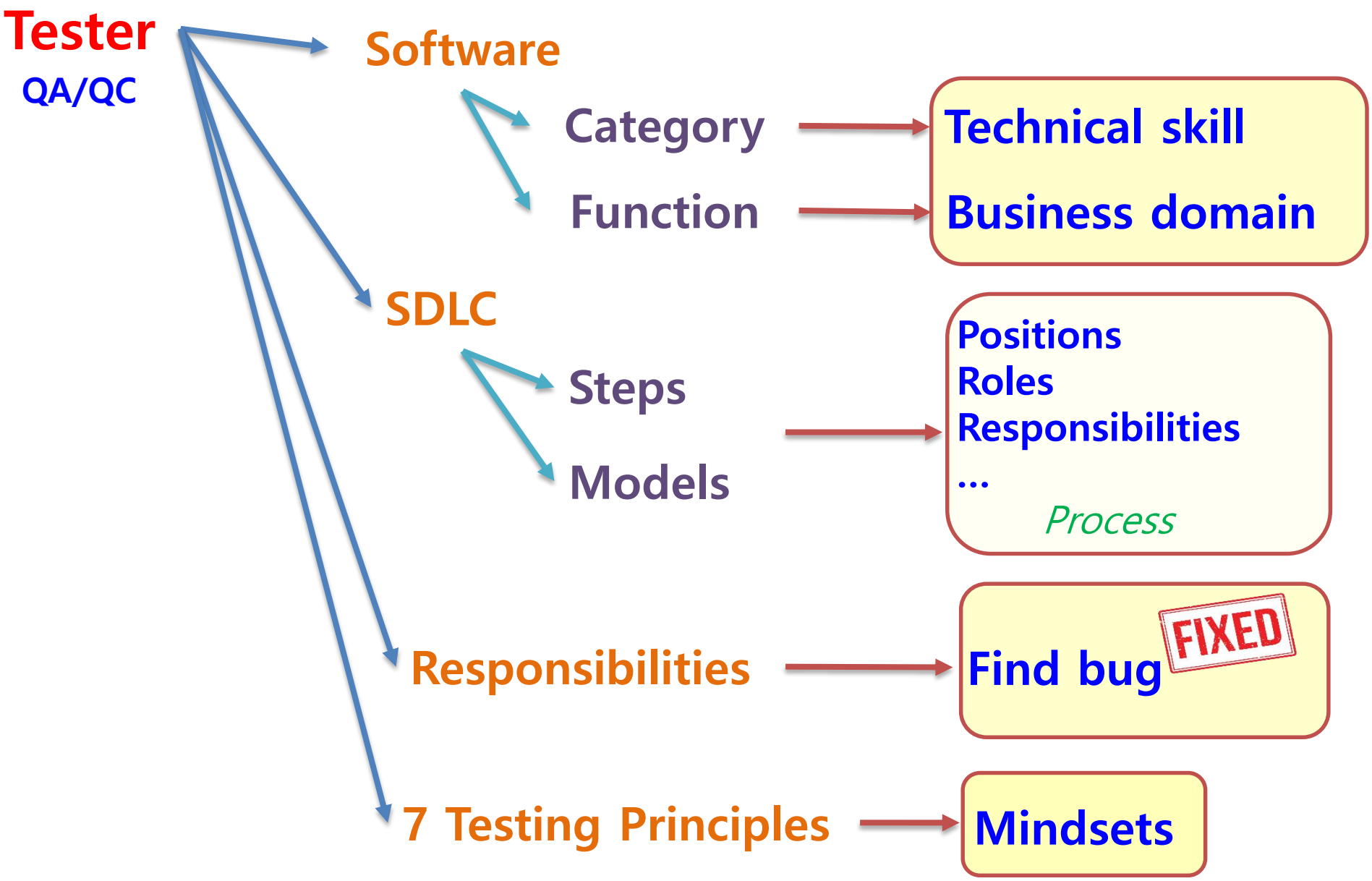
Test Requirement

Quality Control Training Programs

CyberLogitec Vietnam Co., Ltd.
SCETPA Building, 19A Cong Hoa Street, Ward 12,
Tan Binh District, Ho Chi Minh City, Vietnam
Tel +84 28 3813 2967
www.cyberlogitec.com.vn

eusu

Soft Remind - 1



Soft Remind - 2

- **Test Process**
- **Test Levels**
  - Unit Test
  - Integration Test
  - System Test
  - Acceptance Test
- **Test Types**
  - Requirement-based Testing
  - Exploratory Testing (Ad-hoc Testing)
  - Smoke Testing
  - Regression Testing
  - Black-Box Testing
  - White-Box Testing
  - Functional Testing
  - Non-functional Testing
- **Psychology of Testing**
- **Manual & Automated Testing**

Overview

Product's Document

Project Team

End Users

Outline

Lession 03

3.1 Product's Document

3.2 What is Test Requirement (TR)?

3.3 Test Requirement Attributes

3.4 Test Requirement Analyzing

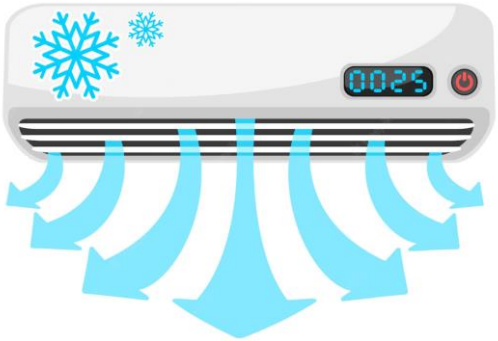
Product's Document

- **Requirement**: the customer's problem or desires
- **Specification**: what you intend to make to solve the problem or meet the desire
- **Design**: how the thing works

Product's Document

EXAMPLE

move down the temperature, augmented by air conditioner



Requirement

The room should be cool

Design

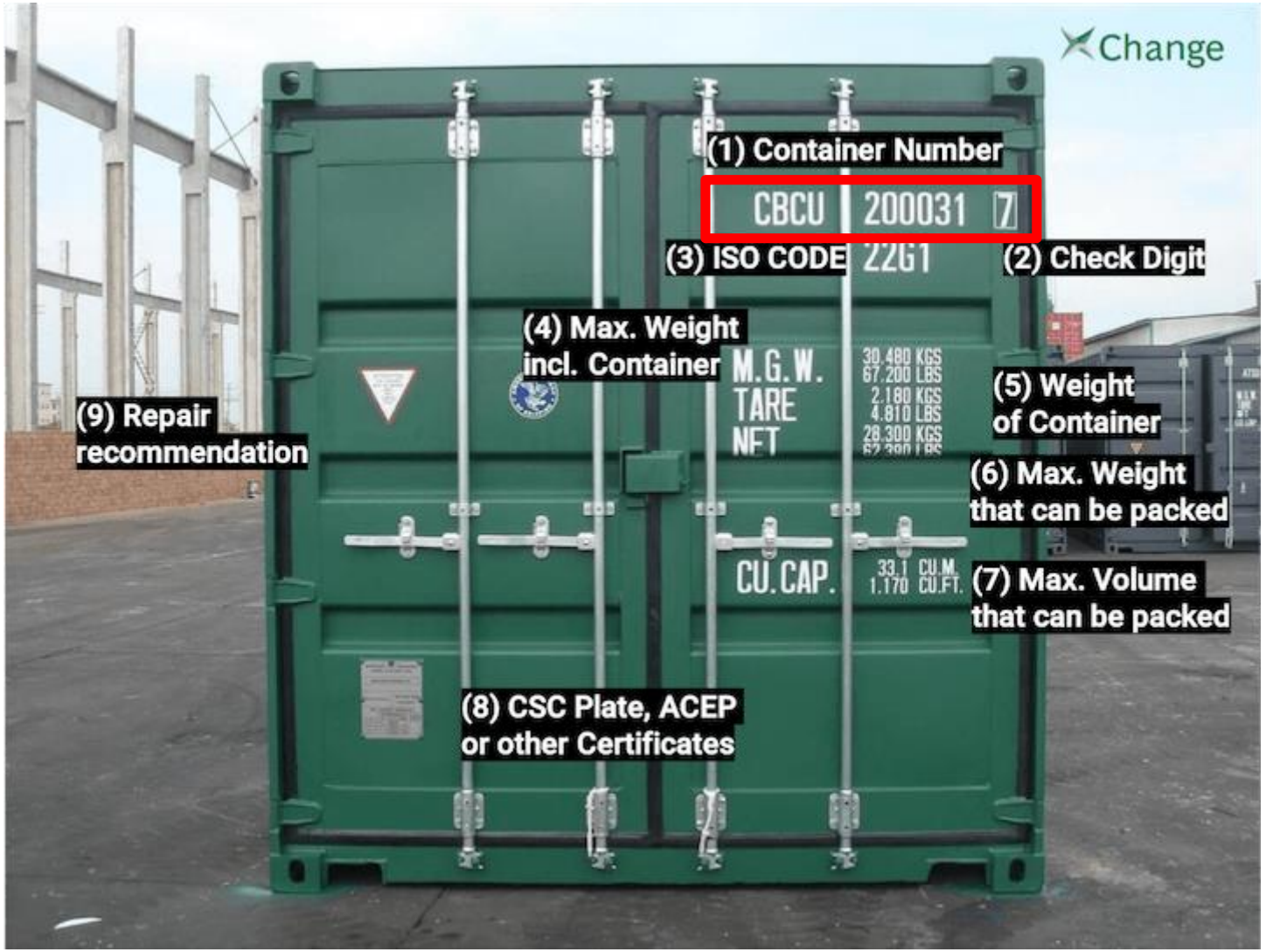
Specification

The room will be kept between 22 and 26 Celsius degrees

Product's Document

EXAMPLE

Container No. Format: TEXT0000000

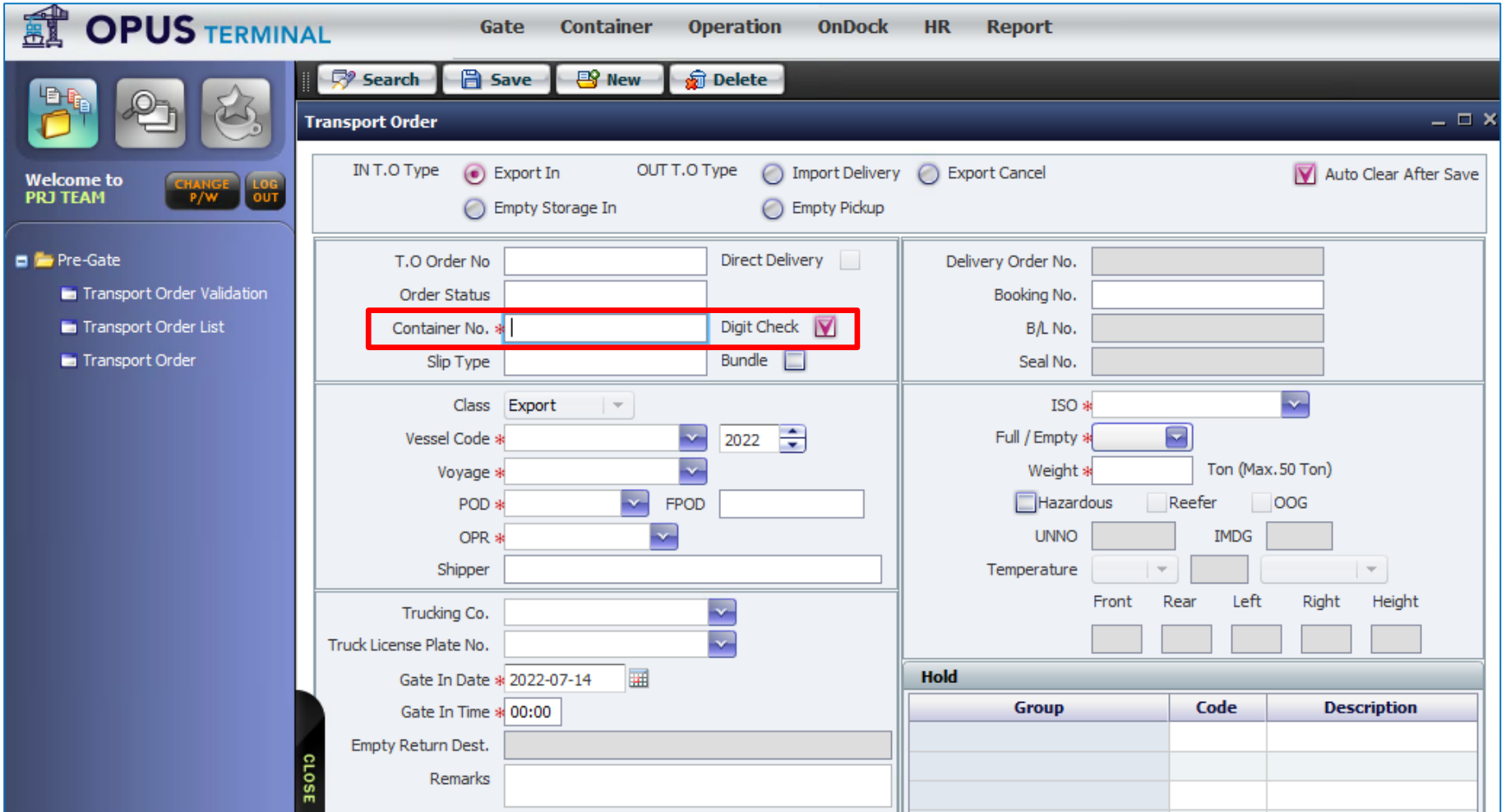


Product's Document

EXAMPLE

Requirement: The system receives the valid **Container No.** only.

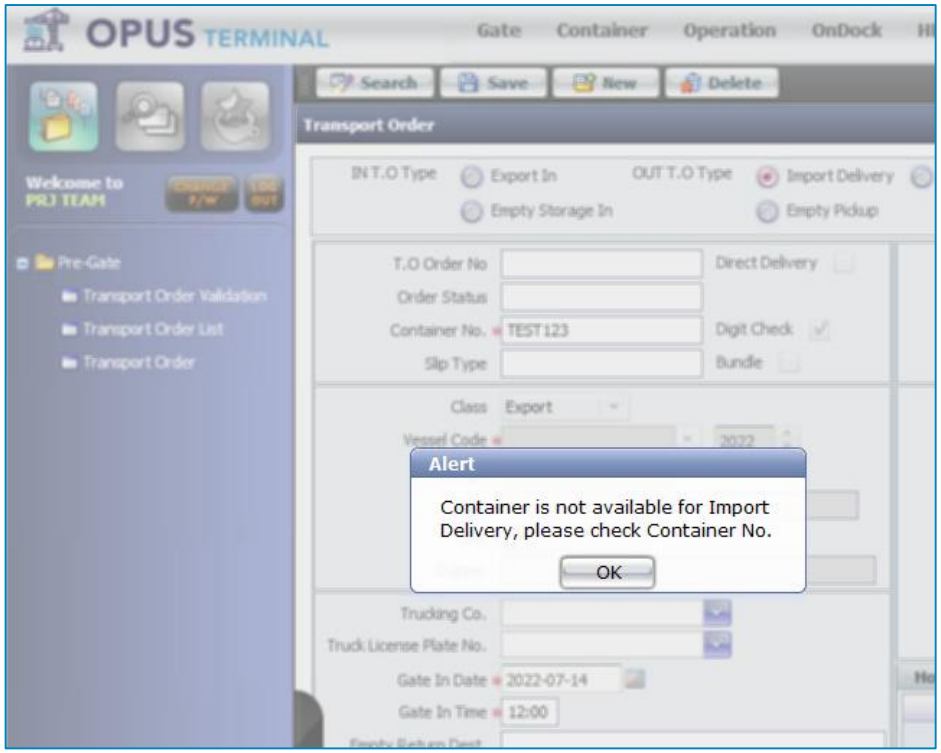
Specification: The Container textbox will be inputted in the valid format.

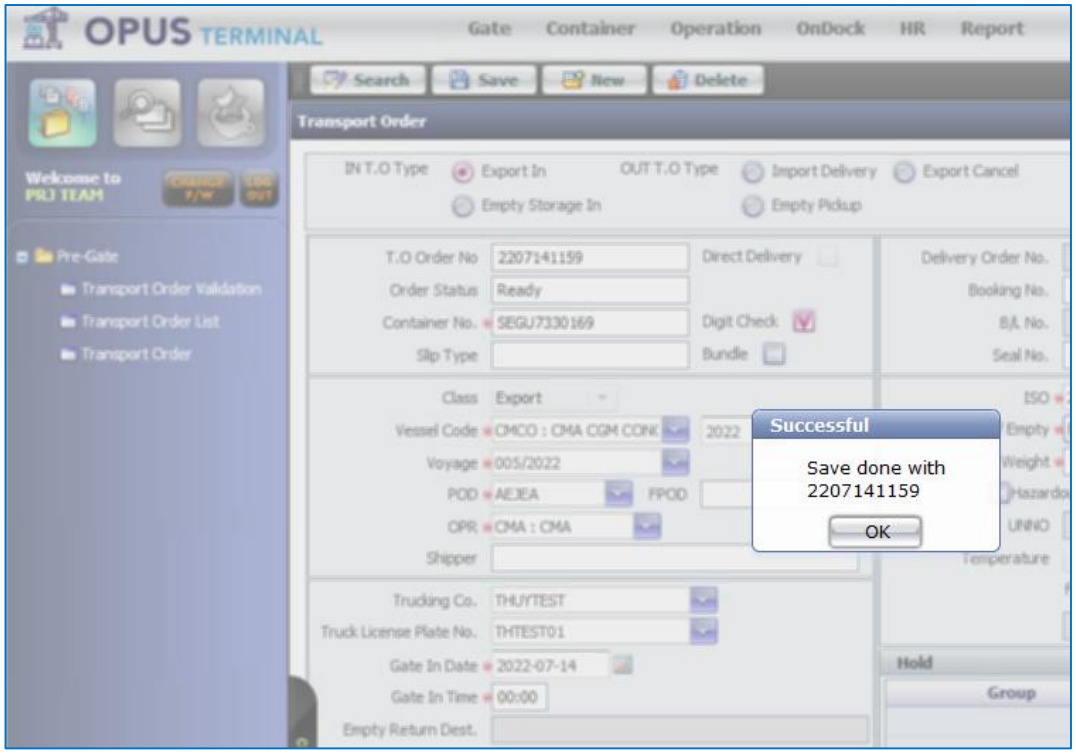


Product's Document

EXAMPLE

Design: Create the validation to check the inputted value





Product's Document

Some Product's Document:

- Software Requirement Specification (SRS)
- Business Specifications
- Use case Diagram
- Data Dictionary and Glossary
- User Story
- UI Specifications
- Function Specifications
- UI / UX Design

Product's Document

EXAMPLE

ONE project – Business Specifications

Business Specifications for
System Change Request

ONE OCEAN NETWORK EXPRESS

CR BIZ SPECS

Important: When completing this form, please replace the examples with your own input. Please note that all fields are mandatory.

CR No. (Assigned by BPM)	**CR0014764**
Requesting Region/BPM	**LONHQ / RSD**

1. Summary Description

In this field, CR creator must provide a summarised version of the request proposed.

Develop 2 new OPUS POP-UP messages that CSVS have requested to reduce human error & improve data integrity

1- A POP-UP message when the user moves from TRO tab to CNTR tab to remind the user to save their data.

2- A POP-UP message when VVD or Route is amended in a BKG with CNTR volume <1 (Partial CNTR) to advise user that CNTR is also linked to another BKG & they must update the same VVD/Route in that BKG as well.

Benefits Description Creator should provide a brief explanation of the request benefits	It will benefit CSVC teams globally by improving by reducing human error & improve data integrity
Type Creator should provide the type of request (remove the types that are not applicable)	**c. Process Improvement** **d. Defect Correction**
Expected Return (ROI)	1- USD 866.70 per year (based on 160min per month)

2. Business Objective / Alignment

In this field, CR creator should inform the business objective of this CR, summarizing how the request is in line with business needs

The addition of these pop-up messages would increase the efficiency of CSVC teams by improving the current process and giving users the appropriate direction.

3. Departments & Processes Affected

In this field, CR creator must inform the departments, platforms & processes informed

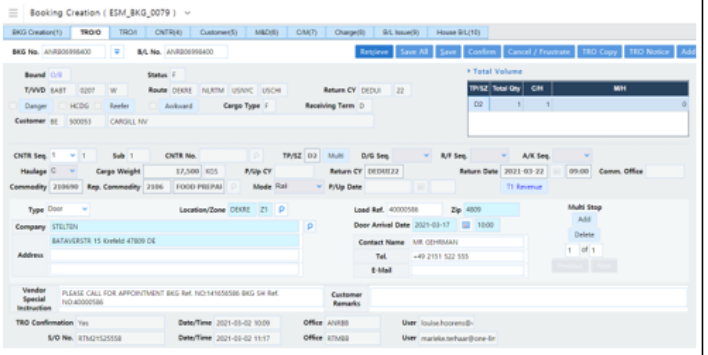
a. **Departments: CSVC/ Documentation team, Onshore and Off-Shore**
b. **Platforms: OPUS only**
c. **Processes: TRO/O & TRO/I completion, VVD/Route information amendment**

4. As-Is

In this field, CR creator must provide an explanation of the current scenario and its impact on business/process.

1-
Service Management > Booking/Documentation > Booking > Booking > Booking Creation [Alt+1]
TRO Tab

- Departments: CSVC - Onshore & Offshore
- Platforms: OPUS
- Processes: completing TRO Tab
- Currently when the user moves from TRO tab to CNTR tab without saving the system does not prompt the user to save their data.
- Risk: Data is lost if user does not click Save
- Proposal: A pop-up asking user if they want to save their data when moving from TRO tab to CNTR tab



2-
Service Management > Booking/Documentation > Booking > Booking > Booking Creation [Alt+1]

Product's Document

EXAMPLE

ONE project – Functional Specifications

Functional Specification

1. Program ID / Menu

Program ID	Imp.Type	Type of Dev.	Menu
ESM_BKG_0079_02A	UI	Modification	Service Management > Booking/Documentation > Booking > Booking > Booking Creation [Alt + 1]
ESM_BKG_0079_02C	UI	Modification	Service Management > Booking/Documentation > Booking > Booking > Booking Creation [Alt + 1]
ESM_BKG_0079_01	UI	Modification	Service Management > Booking/Documentation > Booking > Booking > Booking Creation [Alt + 1]

--> CR owners describe Program IDs that will be changed through CR. Those who are not CR owners describe only the Program IDs that they change.

2. Process Description

Process Screen / Required Business Logic / Prerequisite Condition

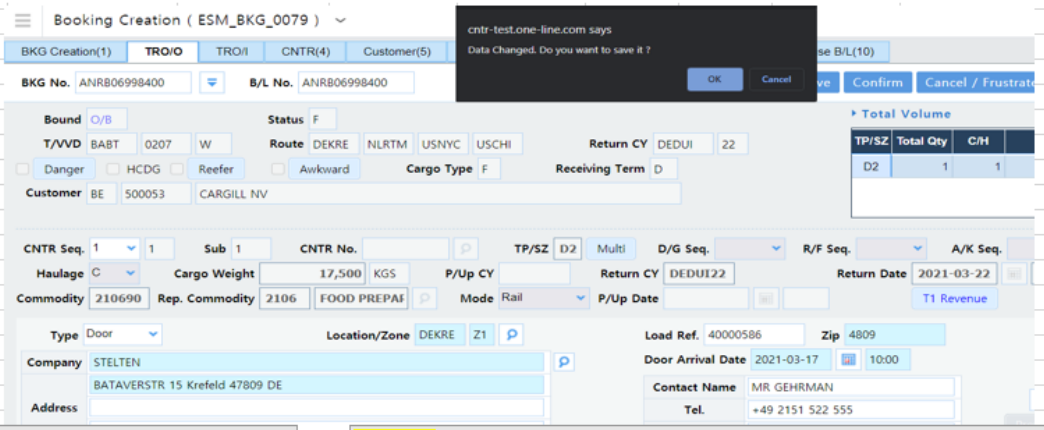
--> If a business process is added or changed due to this CR, we descibe the process by referring to BS.

1-

Service Management > Booking/Documentation > Booking > Booking > Booking Creation [Alt+1]

TRO Tab

- In the TRO Tab of the BKG a pop-up asking user if they want to save their data when moving from TRO tab to CNTR tab
- This is useful for OPUS user so that they do not lose all data they have entered, because this validation POP-UP shows on the other tabs.



Product's Document

EXAMPLE LOGISTICS project – User Story

Forwarding v4_ITO [Software] / OFVFOUR-8115

[BNX] Adding Berth Date Field in OIM and OIH Entry

Edit | Add comment | Assign | More | Confirm Request

Details

Type:	Service Request	Status:	IN PROGRESS (View Workflow)
Priority:	High	Resolution:	Unresolved
Affects Version/s:	None	Fix Version/s:	None
Component/s:	None		
Labels:	None		
L1 Category:	Requirement		
Deploy Request:	Not Deployed		
Evaluation:	NA		
Customer Organizations:	Forwarding		
Customer Ticket No:	FWSD-744		
Internal Watchers:	Nguyen Huu Vi, Tran Van Tien, Logistics Helpdesk, Tran Van Dung, Yew Lim, Nguyen Thien An, Nguyen Vo Le Tran Huynh, Hanh Nguyen Thi,		

Description

(1) Customer Company: BNX-LA

(2) User Name & Email: Ray Song

(3) Module Name:

Ocean Import > Master B/L > OIM B/L Entry

Ocean Import > House B/L > OIH B/L Entry

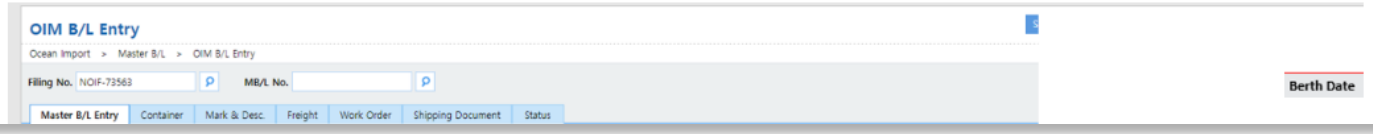
BNX said due to port congestion, the berth date is getting more important than ATA and it should be managed in the system.

Please review the below request and advise if it is doable.

a. Add New Berth Date field in OIM and OIH BL Entry

b. Berth Date input/update from OIM Entry should sync to Berth Date in OIH Entry

c. Add Berth Date Column next to ETA in A/N



People

Assignee:	최윤석(Yoon Choi)
	Assign to me
Reporter:	최윤석(Yoon Choi)
Original Requester:	최윤석(Yoon Choi)
PIC:	최윤석(Yoon Choi)
PIC(AA):	오지건 (Ji-Gun OH)
PIC(CLV):	Nguyen Duc Thinh
PIC(PQC):	Nguyen Thien An

Dates

Created:	2022-05-27 07:45
Updated:	2022-07-13 11:07
Planned Start Date:	2022-05-31 10:10
Planned End Date:	2022-06-06 10:10
Actual Start Date:	2022-05-31 10:10

Time Tracking

Estimated: 32h

Logged: 39.5h

Agile

View on Board

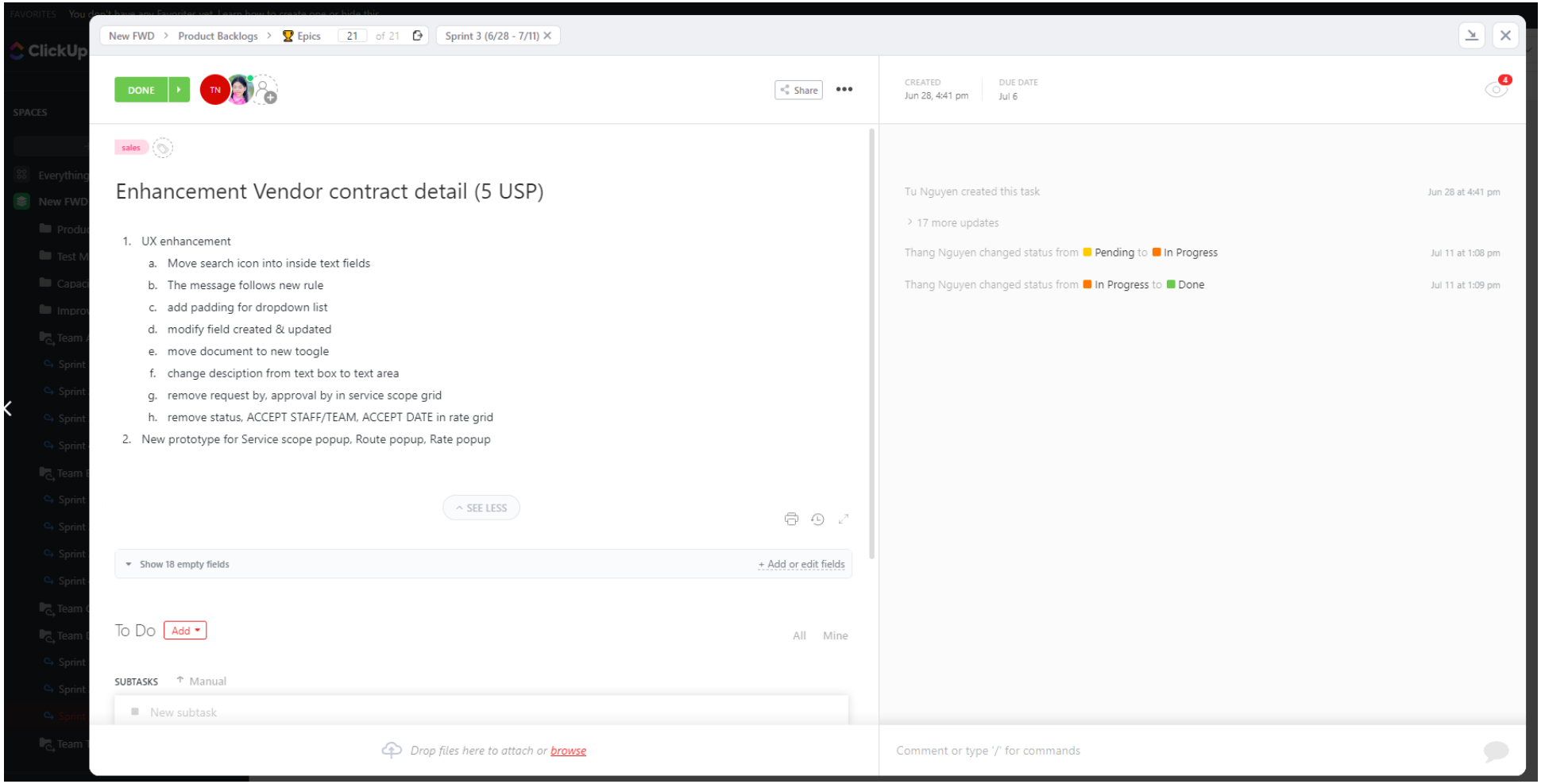
Slack

In order to see discussions, first confirm access to your Slack account(s) in the
CyberLogitec EMS, IBIS Plus, Next Logistics, QIT_Cyberlogitec, TOS Maintenan

Git Integration

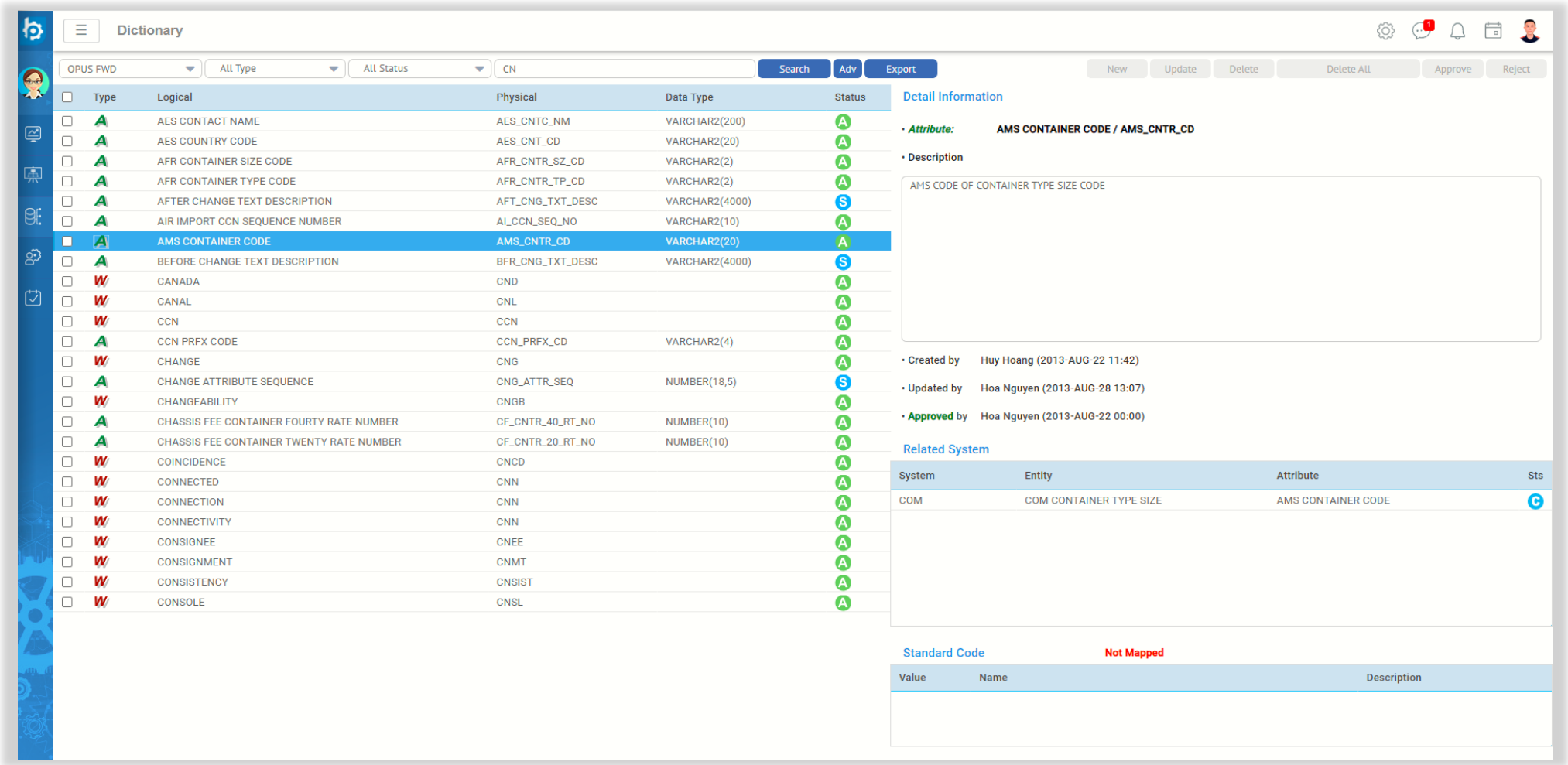
Product's Document

EXAMPLE **LOGISTICS project – User Story**



Product's Document

EXAMPLE ## Project Dictionary



Outline

Lession 03

3.1 Product's Document

3.2 What is Test Requirement (TR)?

3.3 Test Requirement Attributes

3.4 Test Requirement Analyzing

What is Test Requirement

Test Requirement

- A statement of what should be tested in the AUT (Application Under Test)

- **Functional Requirement**: the requirement for the functions that the application should do.

- **Non-functional Requirement**: the requirement for the properties that the functions should have or should look like.

- There are 3 types of non-function TR:
  - Look & feel
  - Boundary
  - Negative

What is Test Requirement

EXAMPLE

Functional

- Users can log in BluePrint successfully with valid account.

Non-Functional

Look & Feel

- Password must be encrypted

Boundary

- Username must have at least 8 characters

Negative

- Error message is displayed when entering special characters into Username textbox

What is Test Requirement

Test Requirement

- A Test Requirement can be written from a User Story or from other sources of the software.
- Testers use Test Requirement to implement Test Cases.

EXAMPLE

Test Requirement

- Users can log in BluePrint successfully with valid account

Test Case

Description: Verify that the users can login BluePrint successfully with valid account.

Steps:
1. Navigate to the login site
2. Input valid data into the Username textbox
3. Input valid data into the Password textbox
4. Click on “Log in” button

Expected: Login successfully, the home page is displayed.

Outline

Lession 03

3.1 Product's Document

3.2 What is Test Requirement (TR)?

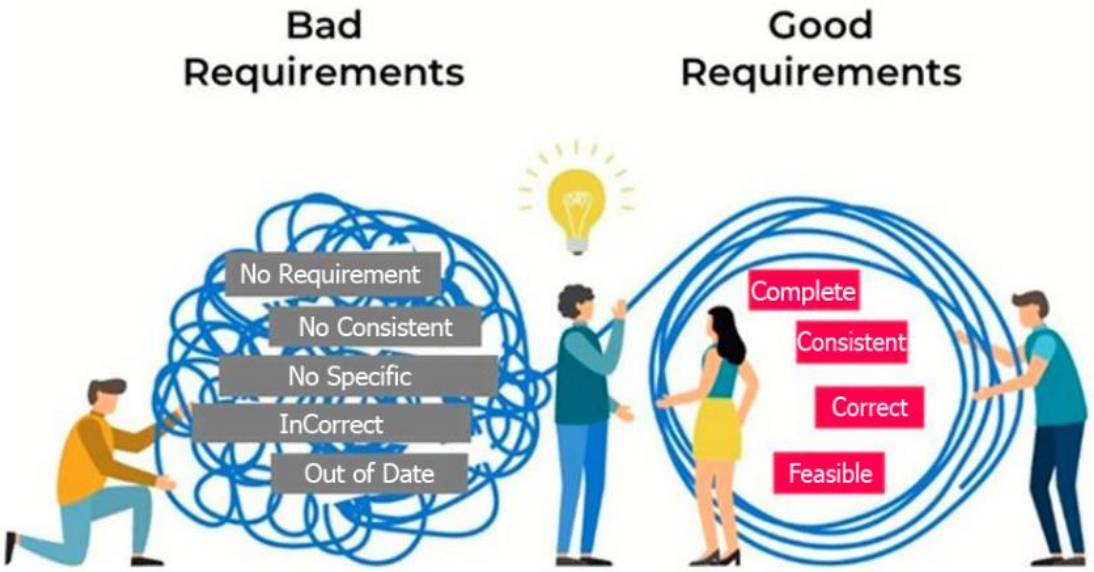
3.3 Test Requirement Attributes

3.4 Test Requirement Analyzing

Requirement Attributes

Boehm lists the attributes of good software requirements:

- Written
- Specific
- Complete
- Correct
- Feasible
- Consistent
- Prioritized
- Clear / Unambiguous
- **Verifiable**
- Concise
- In Understandable language



Outline

Lession 03

3.1 Product's Document

3.2 What is Test Requirement (TR)?

3.3 Test Requirement Attributes

3.4 Requirement Analyzing

Requirement Analyzing

1/ No Requirement

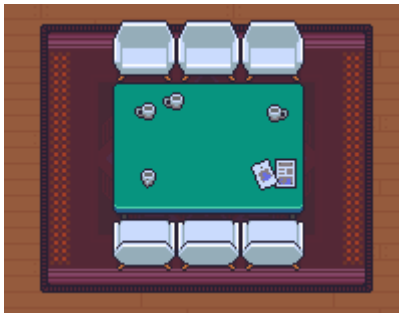
2/ Requirement is out of date

3/ Changed Requirement

4/ Requirement is not clear

5/ Requirement is not consistent

Group 1	Group 2	Group 3
Pham Vo Vy Cao Thao Duong	Danh Lu My Tran Vi Vo	Cuong Hoang Van Huynh Dung Tran



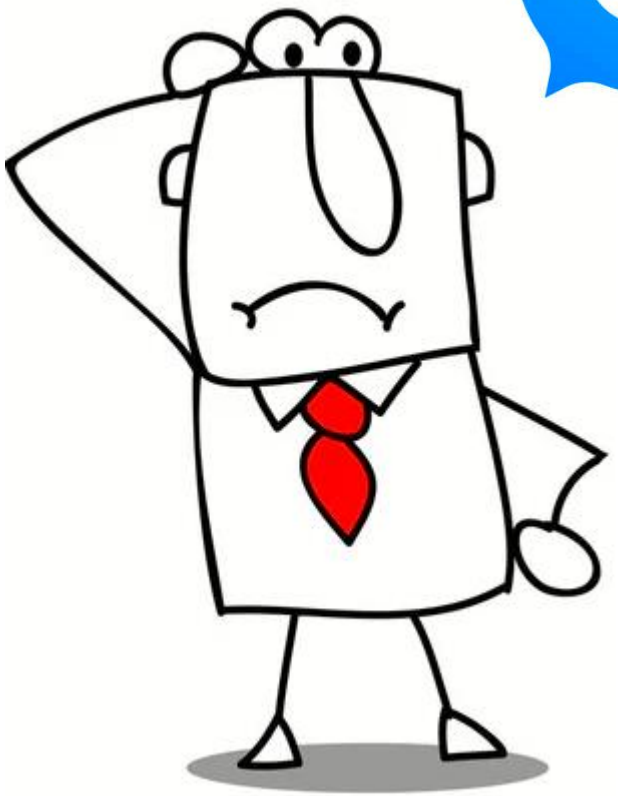
Requirement Analyzing

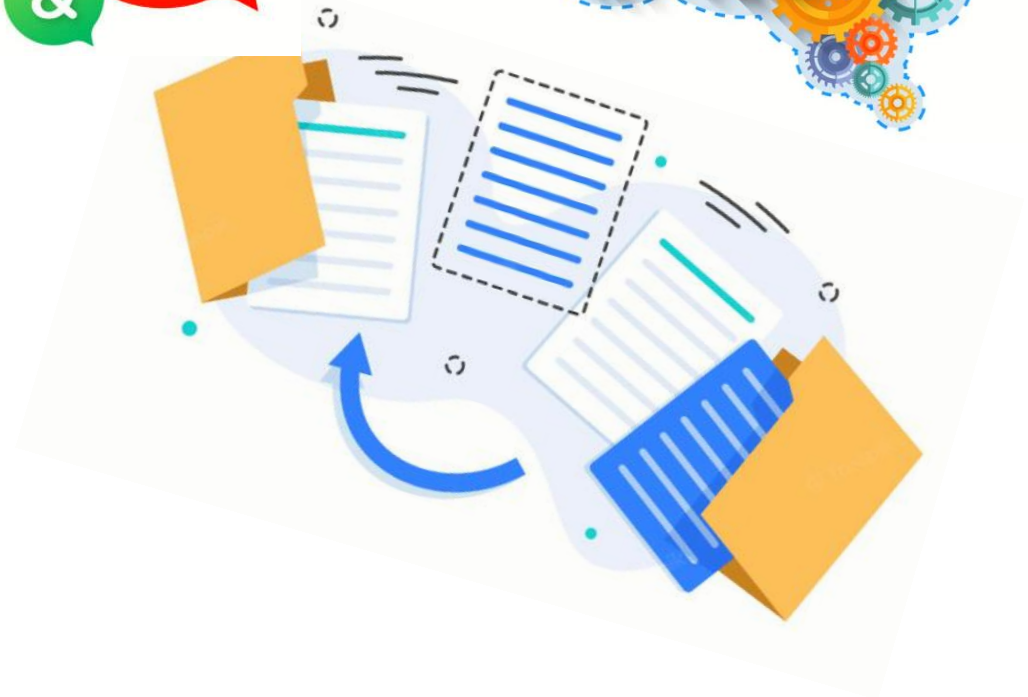
How do analyze Requirements effectively?

- Understanding Overview of the Poject
  - Customer, Project field, Context,...
- Understanding whole business domain of a system or a module
  - Business flow, Data flow, Business logic,...
- Understanding the main function and non-function

EXAMPLE

Requirement Analyzing

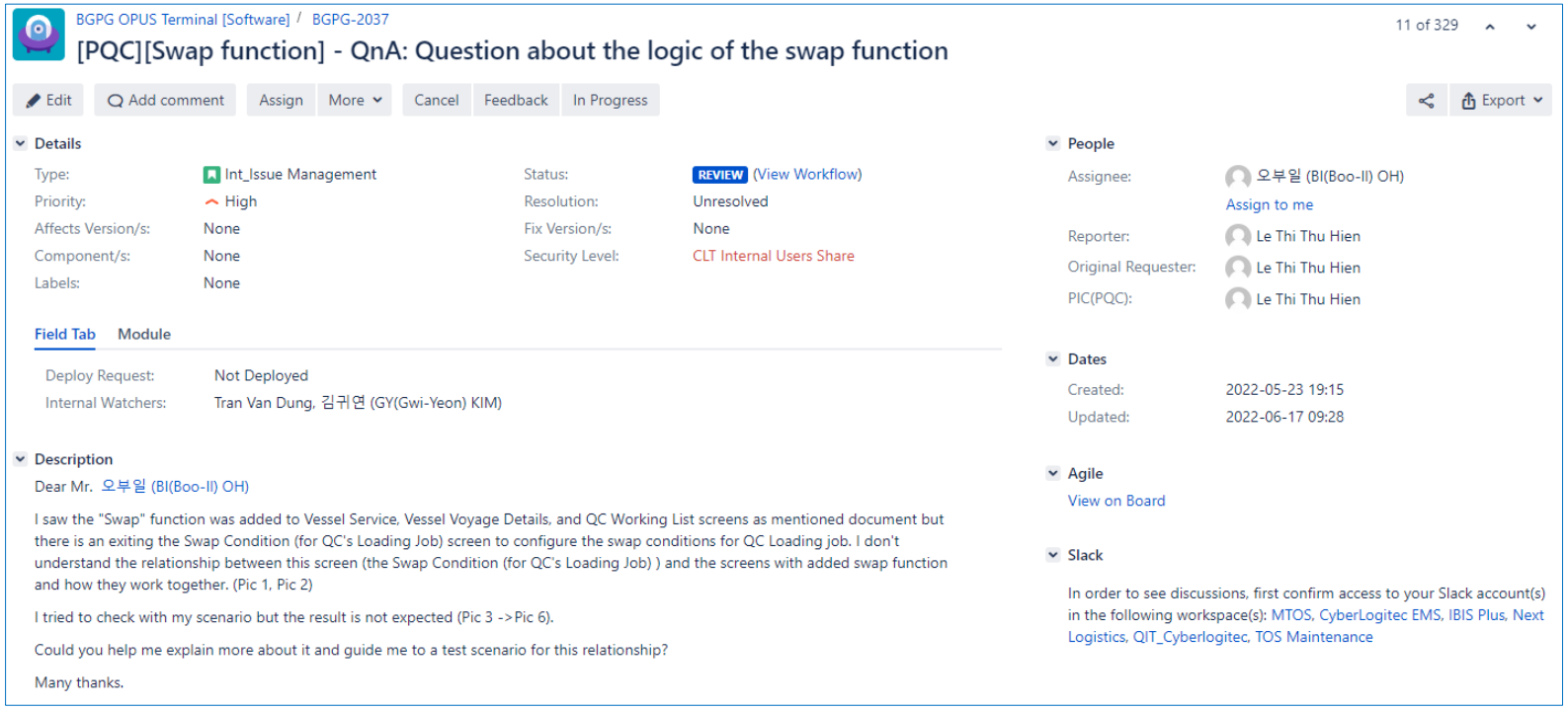




Requirement Analyzing

Request the QnA to Customer

- Reference
- Module / Screen ID
- **Title**
- **Question**
- **Answer**
- Priority
- Created date
- Created by
- Assign to
- Status



Requirement Analyzing

* Question

- Yes/No question

- Should we …?
- I have a question below regarding function A,…. Could you please confirm?
- From my point of view, ….. Do you agree?
- I think that…, could you please share me your thought?

- Multiple choice

I have below case with 2 expected behavior:

Expected result 1:

Expected result 2:

Could you please share me your expected result?
If you have better option, please le me know

Practice – Team 1

Application Under Test: **BluePrint**

Let's practice create some Test Requirement & QnA for the **BluePrint** application

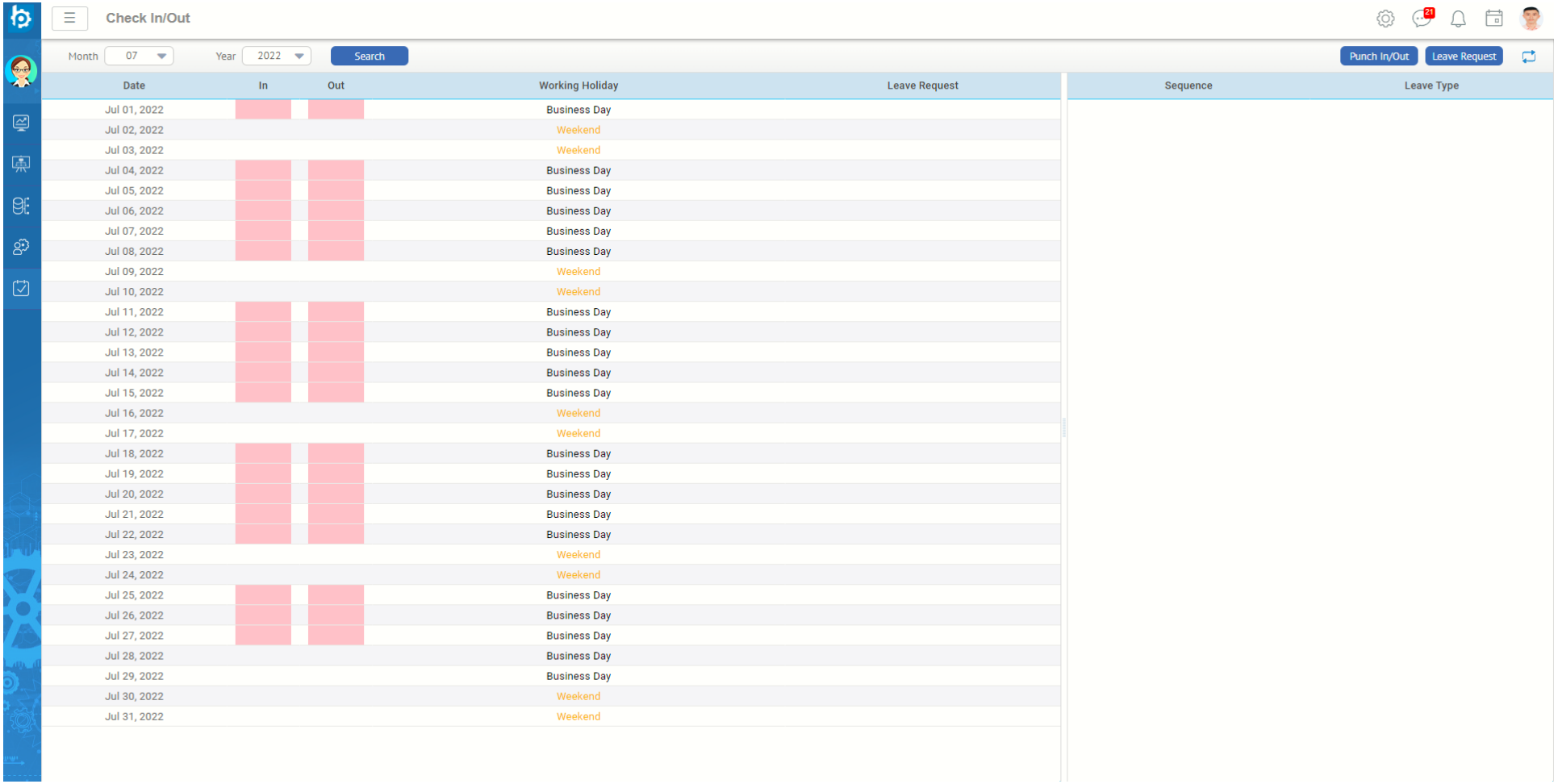
Function: Login & Logout system

Practice – Team 1

Application Under Test: **BluePrint**

Let's practice create some Test Requirement & QnA for the **BluePrint** application

Punch In/out function

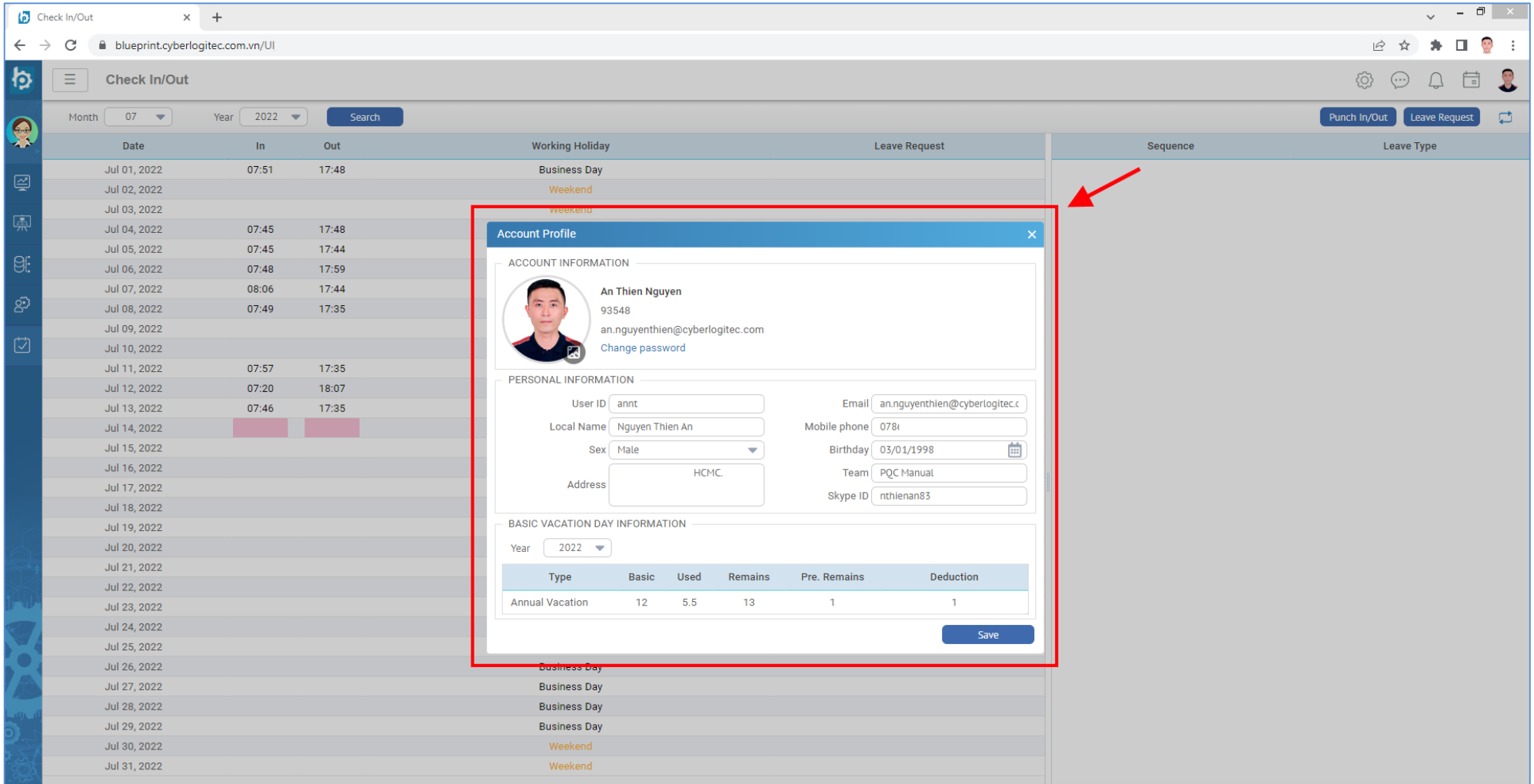


Practice – Team 2

Application Under Test: **BluePrint**

Let's practice create some Test Requirement & QnA for the **BluePrint** application

Update Account Profile

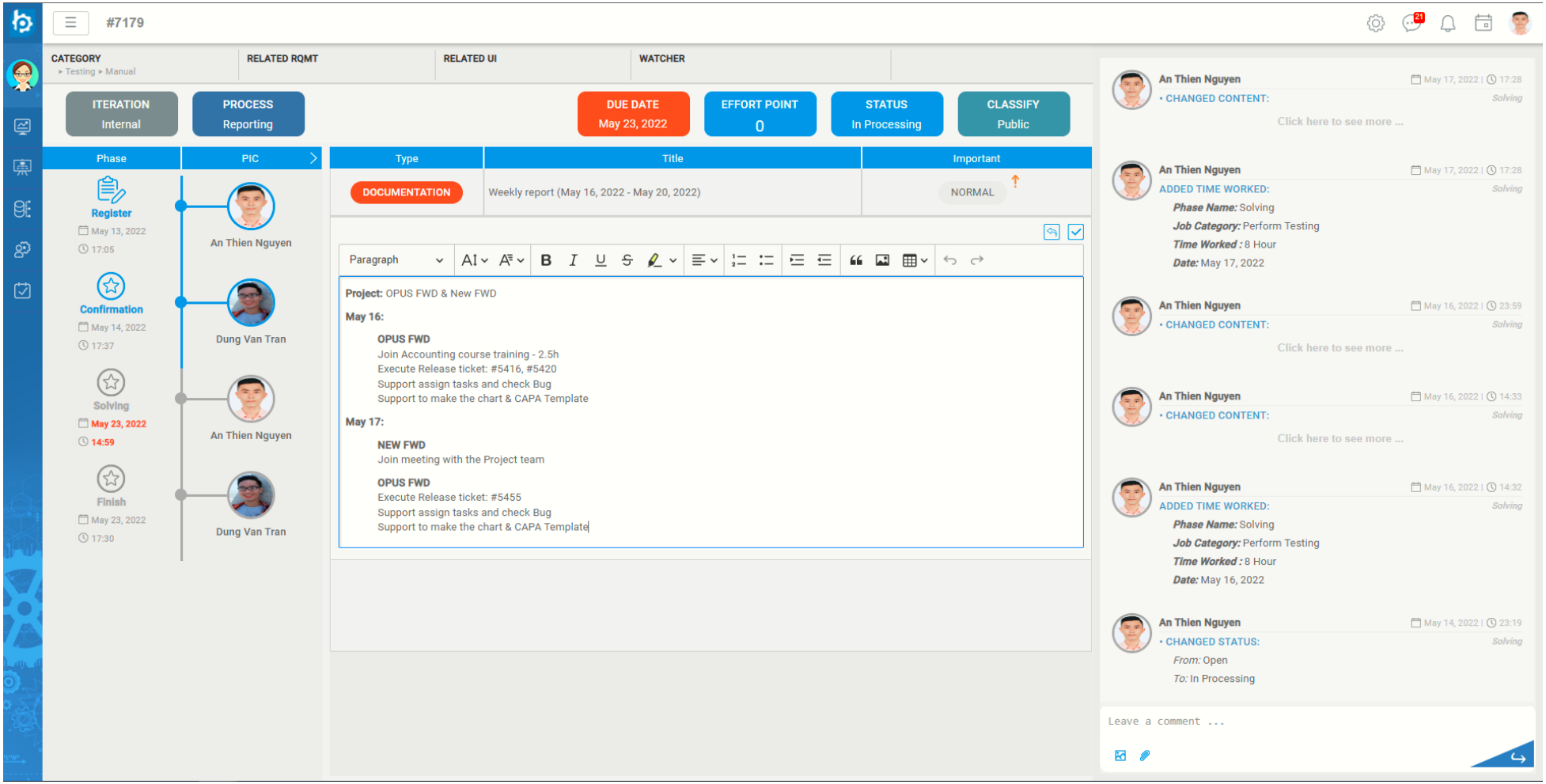


Practice – Team 3

Application Under Test: **BluePrint**

Let's practice create some Test Requirement & QnA for the **BluePrint** application

Update Information of the ticket



Practice

Template Result file

4	TR-ID	Test Requirements	TR Type	Traceability	Notes
5		How to book a ticket			
6	TR-001	user must create successfully an account	Functional		
7	TR -002	password must be encrypted	LooknFeel		
8	TR-003	user can login successfully with valid account	Functional		
9	TR-004	password must be have lest 5 words	Boundary		

Exercise03_Team<00>.xlsx/xls

Practice

Data widgets

- Comments
- DataTable
- DataView
- Filter
- GroupList
- List
- Property Sheet
- Timeline
- Tree
- TreeTable
- UnitList

Visualization widgets

- Barcode
- Bullet Graph
- Charts
- Excel Viewer
- Gage
- GeoChart
- Iframe
- Maps
- PDF Viewer
- RangeChart
- Template
- TreeMap
- Video

Control widgets

- Button
- Calendar
- Checkbox
- Checksuggest
- Colorboard
- Colorpicker
- Color Selector
- Combo
- Counter
- DatePicker
- DateRange
- DateRangePicker
- TimeBoard
- DateRangeSuggest
- DataSuggest
- DoubleList
- GridSuggest
- Icon
- Fieldset
- FormInput
- Tabbar
- Text
- Texthighlight
- Textarea
- Toggle
- Uploader
- Label
- Mentionsuggest
- Multicombo
- Multiselect
- MultiSuggest
- Multitext
- Pager
- Radio
- RangeSlider
- RichSelect
- RichText
- Search
- Select
- Segmented
- Slider
- Suggest List
- Switch Button

Thank You

CyberLogitec

VIETNAM

SCETPA Building, 19A Cong Hoa Street, Ward 12,
Tan Binh District, Ho Chi Minh City, Vietnam
Tel +84 28 3813 2967
www.cyberlogitec.com.vn