

Project F# 8D spectroscope

Start date: [02/02/2022]

☒ Internal

☐ External

1. D1 BUILD A TEAM

Role	Name	Contact data
8D Leader	Karine	karinevinette@orange.fr
Team	Martin	
	Brendon	

Targets

	Planned	Achieved
Deadline to secure the customer (D3)	03_02_2022	(date)
Deadline to solve the problem (D6)	10_02_2022	
Deadline to close the 8D (D8)	24_02_2022	

Communication

	Who	When	How often	How
Customer	Franck Jeannin & Natacha	10_02_2022		Presentation
Boss	Franck Jeannin			
Other team				

2. D2 DEFINE THE PROBLEM

Customer	Franck Jeannin & Natacha
Project	F#
Version	1
Quantity	
Recurring	yes but not in other project
Other project(s) impacted	no

QQOQCCP	IS	IS NOT
What is the problem?	False result	understand what is spectroscope
When has the problem been detected?	The third week	The end of the project and the beginning of the project
Where has the problem been detected?	In every computer, on a windows or a mac	
Who has detected the problem?	Malo	
How has the problem been detected?	By testing	not the writing of code
How many cases are there?	everytime	
Why is it a problem?	It is required for the option of song	not a main function

3. D3 PROTECT THE CUSTOMER

#	Actions to protect the customer	Who	Deadline	Status
	negociate if possible that is Not mandatory but nice to have	Karine	07_02_2022	
	check that it still work without	Martin	28_01_2022	OK

Conclusion / result:

We can present a nice synthetizer without spectroscope.

4. D4 IMAGINE PROBABLE FACTORS

5M	Occurrence O	Non-detection ND
Machine		
Method	don't know math concept	wrong estimation of complexity
Measurement / environment		
Material	library is missing or is not allowed to be used	
Manpower	knowledge on math	

5. D5 REAL CAUSES, ROOT CAUSES

5.1 Prove that the probable factor is a real cause

#	O/N D	Factor	Actions for analysis	Who	Deadline	Proven Y/N
1	O	don't know math concept	learn math concept	MALO	08_02_2022	
2	O	library is missing or is not allowed to be used	ask for a library	Martin	07_02_2022	
3	O	knowledge on math	someone who knows math	Martin	07_02_2022	
4	ND	wrong estimation of complexity	team meeting	Karine	07_02_2022	

5.2 Find the root causes

#	Proven factor	Why 1?	Why 2?	Why 3?	Why 4?	Why 5?
1						
2	missing a library	we have to create it	we have to write our own code	it is better to make it while we want to use it	it will fit exactly our need	everyone code differently
3						
4	we have to think	because it is our work	it is current problem in computer science	because it is a scientific work	we have to understand the field where	we have to communicate with the customer

					we are working	

6. D6 CORRECTIVE & PREVENTIVE ACTIONS

#	Actions (technical, organisational)	Who	Deadline	Status
	learn math concept	Malo	07_02_2022	
	ask to use a library	Karine	07_02_2022	

7. D7 CHECK THE EFFECTIVENESS & TRANSVERSALIZE

#	Actions (effectiveness checking / transversalization)	Who	Deadline	Status
	Math is a current problem	Karine	07_02_2022	
	Library is writable	Martin	07_02_2022	
	<input type="checkbox"/> Work standards:			
	<input type="checkbox"/> Risk analyses:			
	<input type="checkbox"/> Best practices:			

8. D8 CLOSE THE D8

xEfficient corrective actions (D6)

xTransversalization actions under control (D7)

xChecklists updated

xResults communicated internally

xResults communicated to the customer

xThank the team!

Remarks: