Subject:

Platform about automatic resolution of errors encountered in a payroll cycle.

During a payroll cycle, there are certain errors that shows and prevent the calculation of the payroll cycle by the client (population block, demand crash...)

From the Sopra HR perspective of industrialization, the point is to construct a Data Base that contains the frequent errors and try to make their automatic resolution. That helps the consultant to win more time, and prevent penalties that took a place of each time and money.

In the payroll cycle, the product of Sopra HR contains several chains, and each chain is built of several programs; everyone has a task to do.

Each chain generate a report after her job, which is the log file.

The log file contains many lines (each line called 'display')

Figure 1: log file

If the end of the bloc contains 'FIN ANORMAL' then the error is in this bloc.

Objectives:

Our goal is to construct three interfaces:

- "Table de connaissance": page contains a table of all the 'displays' that exist in the technical documentary with description and solution, program name, table name and gravity index. The administrator has the ability to add, delete or modify a 'display'.
- "Analyse sur demande": in this page, the user has the ability to upload a log file and verify if it contains an error or not. If yes, the application display the bloc that contains the error, the description and the solution if that possible.
- "Chaine KO": in this page, the user finds a table that contains all the log files auto generated from the server of Sopra HR. When he press the button 'Voir le bloc anormal' the application displays the anormal bloc (the bloc of lines where the error exists), the description and the solution of this error. If possible, the user can pass throw an automatic resolution (a script shell automatically lanced when he press a button; there are errors that can be solved by a simple-line-SQL-request)

| FDCALK2W-41343 | K2W | 2019-02-18-10.49.25 | NON TRAITE | ALLHRLO | Voir le bloc anormal |
| FDCALK2W-41343 | K3W | 2019-04-26-16.59.46 | NON TRAITE | L TEST ALLHRLO | Voir le bloc anormal |

Summary:

	Interfaces	Table de connaissance	Analyse sur demande	Chaine KO
Done	BackEnd	Construction of the table in the DB which contains all the displays of the technical documentary of Sopra HR.	Set up of the upload tool	Data extraction from the log file with regex (program name, chain name, date and the matricule), and stored in DB. Extraction of the abnormal bloc from the log file.
	FrontEnd			The display of the table stored in the DB.
Rest to do	BackEnd	_	The extraction of the abnormal bloc and the generation of the description and the solution of the error.	Extraction of the description and the solution of the error using the error code from 'Table de connaissance'.

	FrontEnd	_	The display of the abnormal bloc, the description and the solution of the error	The display of the abnormal bloc, the description and the solution of the error.

I am stuck at this stage:

When I click on the button 'Voir le bloc anormal' this error shows: