Programme Excel VBA

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Purpose of the project :

This VBA project aims to improve my knowledge of Excel and VBA coding. Being a program developed at personal initiative, all the notions were learned in self-training with a specification evolving according to my progress.

Purpose of the programme :

Run a program that stores information of the same type in a database every time. Then retranscribe them to the client with available filters and predefined queries.
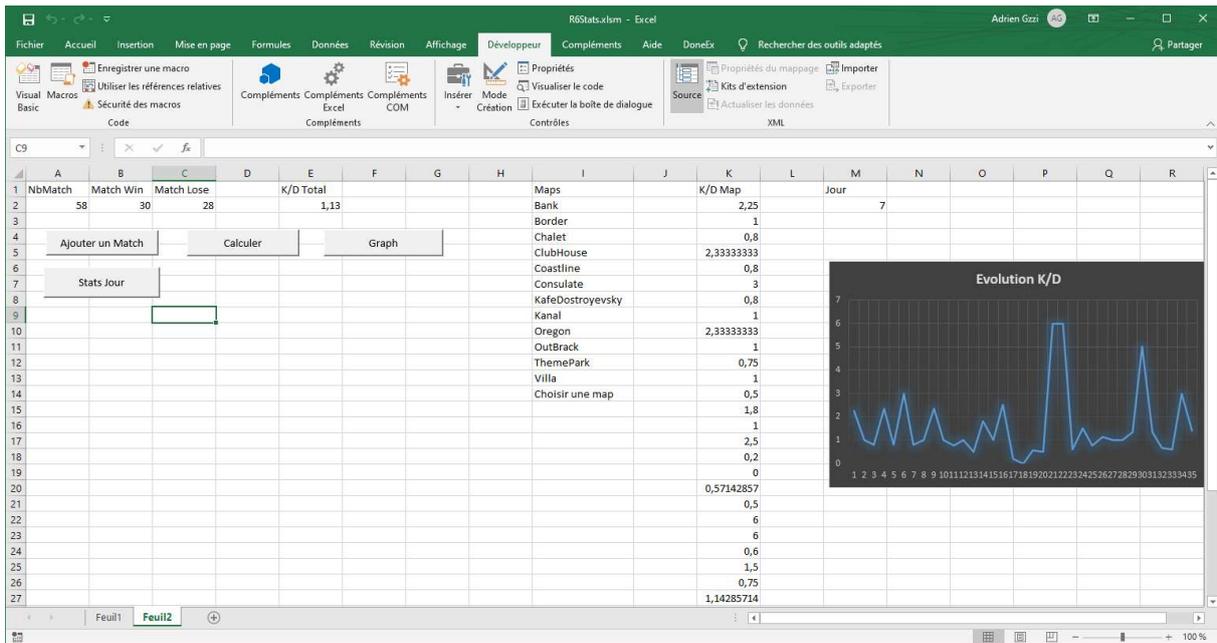
Development :

Topic :

In the example I have chosen here, the type of information is data on eSport matches with numbers such as the number of rounds won and total per match. All this information is stored in a database in the form of an Excel sheet.

Adding information :

The entry of this information for each match and facilitated by a form with filling in fields. The day it fills automatically from the day defined on the main window that we will see below and of course from a sheet dedicated to the calculation and information necessary for the calculations of the program (Sheet 2 of the Excel file).
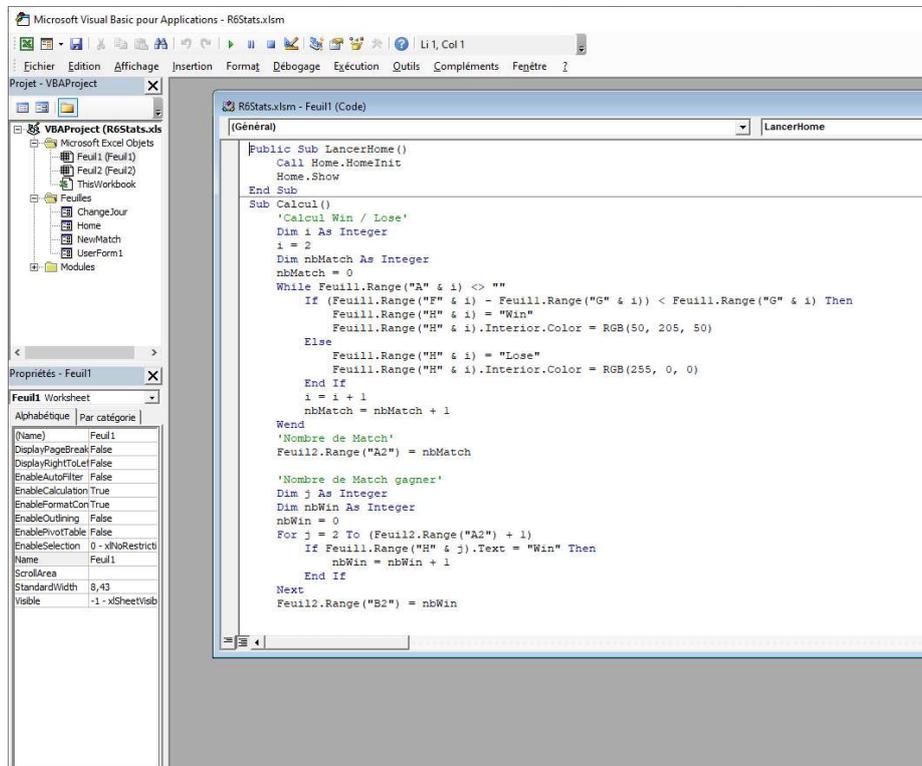
Additional functionalities are currently being tested with, for example, the willingness to display a graph, at the customer's request, based on data from the database and chosen with the help of a predefined query: here an evolution of the K/D ratio.

Displays and data processing :

The data is therefore visible in the form of an Excel table with columns that calculate certain information from the completed data. As the calculation of if the game is won is done automatically from the total number of rounds and the number of rounds won.
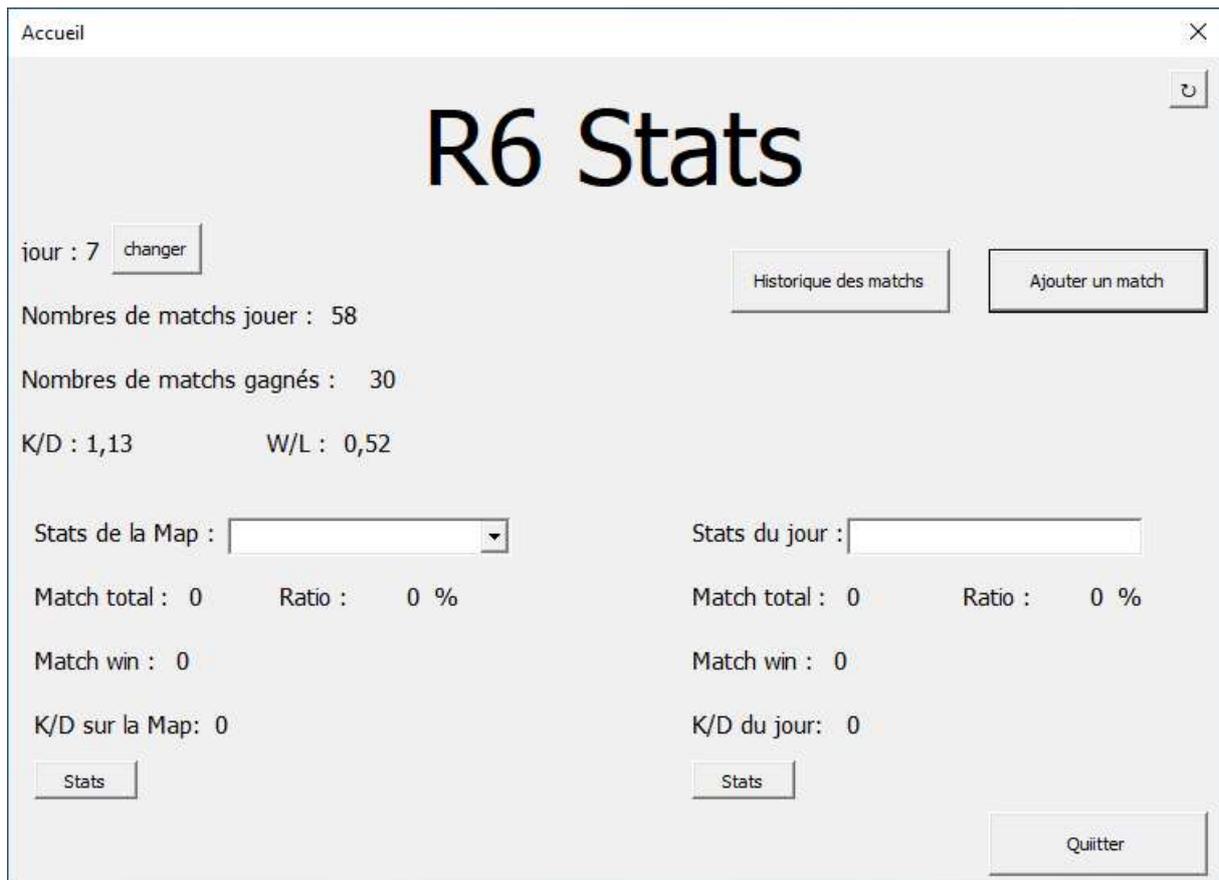
The validation of a part so that it is noted in the statistics this fact thanks to the procedure "Calculation" coded in VBA in the Visual Basic part. This procedure is launched at the end of the filling of a new part form. The part is thus potabilized in the total of the saved parts and the automatic calculation of the columns is done.

Customer interface and possibilities :

The home page has the button to add a game but is above all the interface through which the client can easily observe all the statistics: total or he has the possibility to search some of them using filters such as the card on which the game is played or the day on which it was played.

All these operations can be carried out without displaying the Excel sheets unless the customer requests it by pressing the button to display the match history.

Conclusion :

The goal of this program is to teach me the basics of VBA programming on Excel. I was able to push my main objectives thanks to a good progress and the ease of use of the software and the language. This project was not for profit.

Contact :

If you wish to test or see more of this software you can contact me using my professional address: pro@gavazziadrien.fr.