Analytical Reports For The Doggy Football League (DFL)

Your client is Luna – the hard-working Team Analyst for Flatcoat Retriever FC - one of the teams in the Doggy Football League (DFL).

As part of her role, she collates and distributes data about the opposition for upcoming games. At the beginning of the month, she creates a report that displays historic results from games between Flatcoat Retriever FC and each opposition team for the month's fixtures, for the previous three seasons.

She downloads a data file monthly **(available with this resource)** which contains historic results on three separate worksheets, one for each season. A sample report is included below which she currently creates 'manually' in Excel.

Luna – Team Analyst, Flatcoat Retriever FC

She then distributes the report to staff via email. Turnover is high in this high-pressure working environment, so staff come and go frequently. So, Luna needs to control the email address to which the report is sent.

This repetitive manual task and constant struggle to 'get Excel to work' is getting Luna down. It's eating into important self-actualisation time: chasing balls, retrieving sticks and digging pointless holes. Moreover, the *Power Query* course that promised to 'change everything' in her data analysis practice left her disappointed. Besides, computers are difficult when you only have paws …

What she needs is an Excel-based 'click-of-a-button' process with user-friendly mechanisms to automate this process and control the key aspects. Can you help?
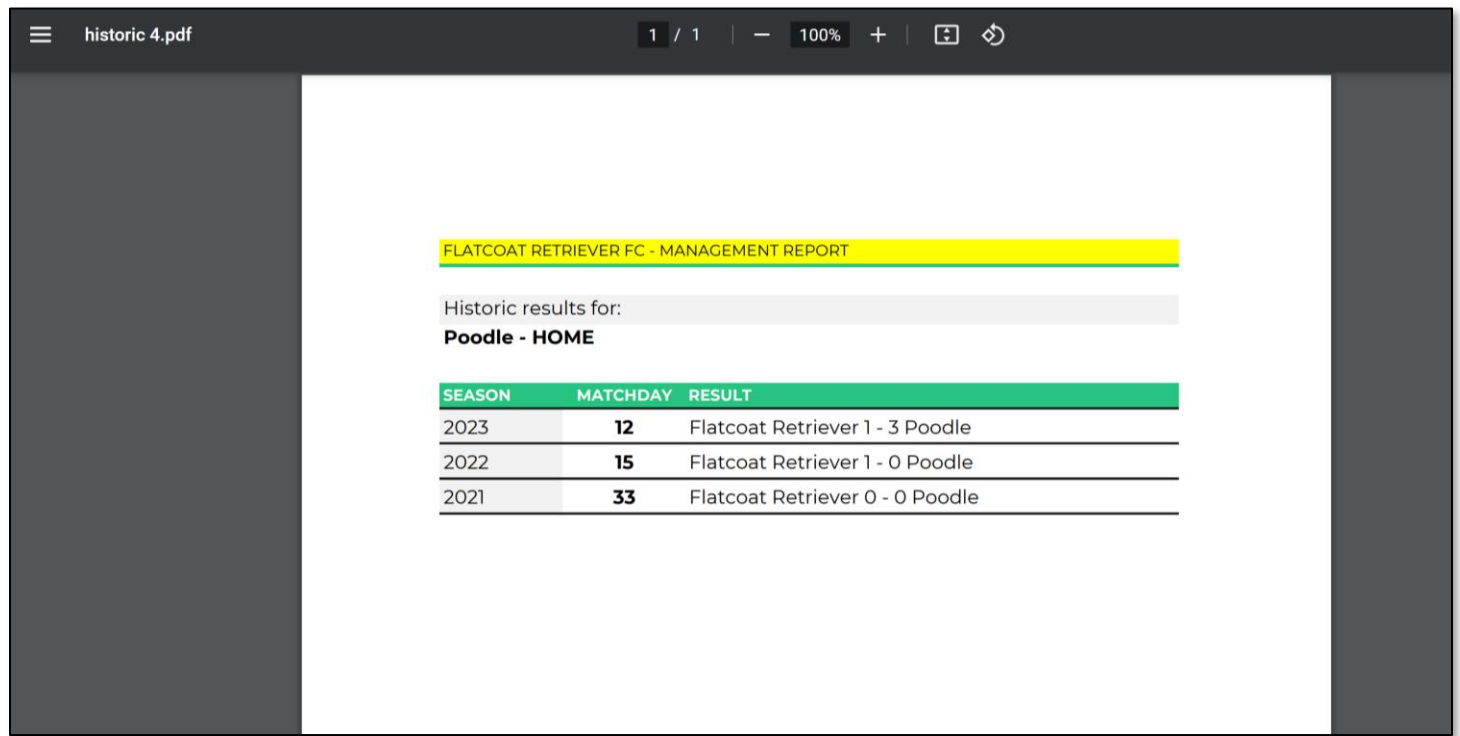
The main requirements are as follows:

- The source data is downloaded monthly, so an Excel-based tool must exist in a separate 'master' file

- The report should include historic fixtures against this month's opposition – a mechanism to input this month's opposition (four matches each month) is required

- The match location (Home or Away) matters – Luna is happy to indicate if each fixture is home or away, the tool should then identify only home or away matches for each opposition

- Historic matches against each opposition should be displayed in an individual report, to be saved to PDF in a file location of Luna's choosing (in reality it is saved to a shared organizational drive)

- A notification email should be sent to relevant staff when the process is complete and the file ready for viewing – a mechanism to log and easily include / exclude staff emails is required

Sample output for upcoming home game against Poodle

Note: multiple outputs are required, with a separate PDF for each match / opposition this month