GUI desktop app Deployment manual

1. Install MS ODBC 18 driver from: https://docs.microsoft.com/en-us/sql/connect/odbc/microsoft-odbc-driver-for-sql-server?view=sql-server-ver15 (Follow the guide for your system of choice, the program should work fine on MacOS, Linux and Windows)

2. Install python requirements using pip:

   a. Change directory into `comp0016-farmbeats`

   b. Ensure you are using python version >3.8, using `python3 --verison`

   c. Install requirements using `pip install -r requirements.txt`. Alternatively, use a virtual environment.

   d. Next, install `pyodbc` using `pip install pyodbc`

   e. If the next step fails, and you are on an M1 macbook pro, run: `export LDFLAGS="-L/opt/homebrew/Cellar/unixodbc/2.3.9_1/lib"` `export CPPFLAGS="-I/opt/homebrew/Cellar/unixodbc/2.3.9_1/include"`

   f. From `.env.template` file, create a `.env` file and fill out the required fields, see the microsoft docs for details as to what to fill out in which field: https://docs.microsoft.com/lb-lu/sql/connect/python/pyodbc/step-3-proof-of-concept-connecting-to-sql-using-pyodbc?view=sql-server-ver15#connect

3. Change directory into `comp0016-farmbeats/gui_code`.

4. Run the main program, `python3 gui_main.py`.