Before code edit:

A screenshot of a computer

Description automatically generated with medium confidence

After code edit:

Graphical user interface, text

Description automatically generated

For the first TODO, I added ^ key[i % key\_length]. The second TODO area in std::string read\_file, I added a try/catch to read the file, open it, get the line, and then close the file. If the file could not be read, I put a failure message stating the file failed to be read as a way to tell the user what is going on. Then for void save\_data\_file, I did another try/catch/if to open the file, write the student’s name, the time as of the program running (local time), wrote the key, wrote the data, and then closed the file once that all ran. If it failed, I put a warning message stating that the file failed to write to let the user know if it failed.