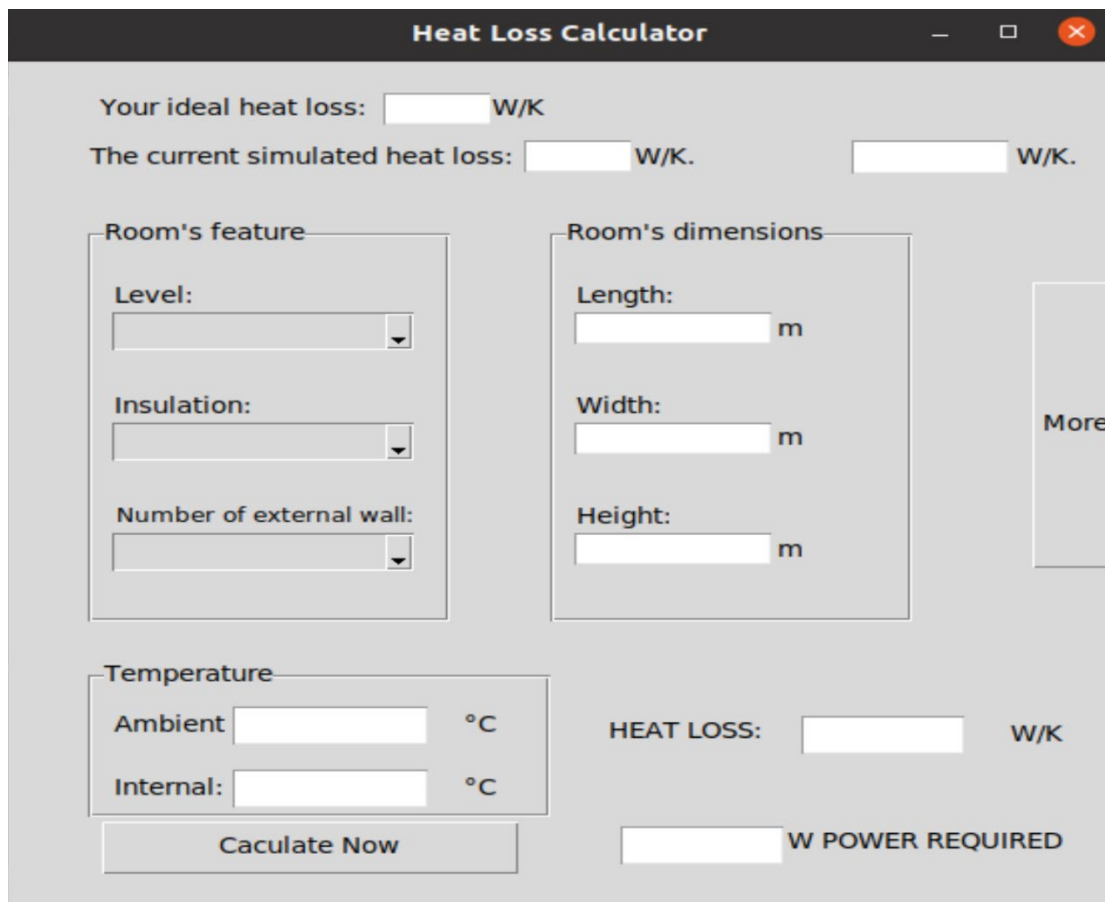# Product requirement document (PRD)

The software used for the coursework is python. In the process of programming, using Python's own GUI library, tkinter. The application is designed for simple electric heating loss calculations. Heat loss can be easily calculated by input of room's feature, dimensions, temperature and building materials, etc. The different functions of the room, such as height and number of external walls, also affect heat dissipation. All of these factors that affect the heat dissipation of the room are taken into account. This Software can be used to estimate the difference between ideal heat loss and heat loss. Engineers use the software to calculate heat loss and it helps reduce energy consumption to protect the environment. The software can run on Linux system.

There are more mature similar software on the market, such as Maxwell - Calculator . Maxwell - Calculator is a graphical user interface (GUI) based heat loss and heat gain calculation tool within the building. It helps users choose HVAC equipment suitable for their climate. (http://maxwell.googlecode.com/files/Maxwell1.3.exe)

Running software