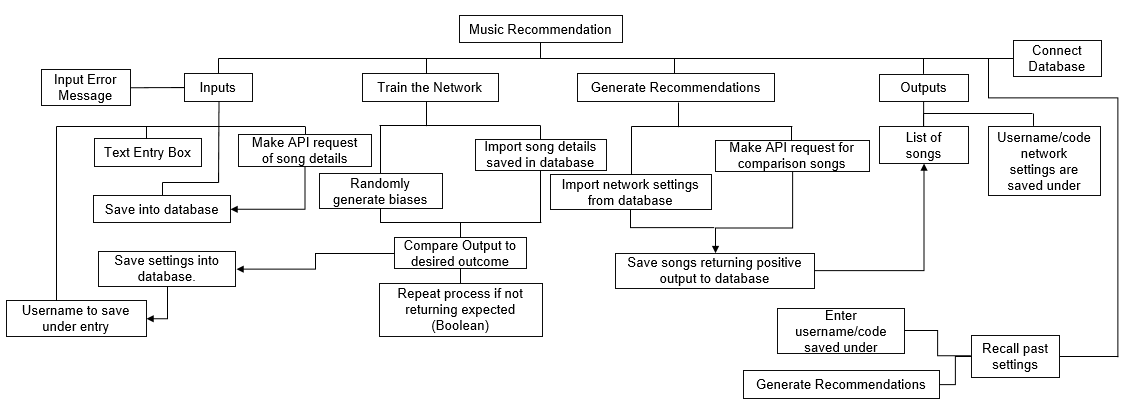
Design of the solution

Decomposing the problem

*“3.2.1 Decompose the problem*

1. *Break down the problem into smaller parts suitable for computational solutions justifying any decisions made”*

In order to break down how my program will run, I have created a hierarchical diagram for the processing behind the recommendation. This breaks down processes that each element of the program has to do to be able to its basic levels. This does not detail much of the interface and user interaction but it allows me to see each of the aspects I will need to develop and how data and processes interact between different branches of the program.

The main parts of my program are