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CS 381

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**Weather Dresser Functional & Technical Description**

**Functional Description**: Weather dresser is for people that aren’t used to dressing appropriately in terms of the climate/temperature. The user will enter the temperature then the app will suggest how to dress for the weather.

For each time they use the app, the system will be able to give a general guide of how to dress when a temperature entered falls within a certain range. Users can plan their attire to tackle the day efficiently without being too bundled or too exposed to the elements.

**Technical Description:**

**Variables declared:** int answer, temp;

**Functions used:** switch(answer); if-else statements, while loop

The bounds for temperature are between -20 and 120. Outside these bounds are invalid inputs, or error. Within these bounds, intervals of temperatures are used to distinguish different attires. This is the code generally:

if( temp < -20 || temp > 120 ) ERROR

else{

if( -20 <= temp && temp <= 35) cout;

else if( 35 < temp && temp <= 50) cout;

else if( 50 < temp && temp <= 70) cout;

else cout;

The user interacts with the UX which is then worked on by the app. If the user inputs a temperature within the bounds, the temperature will be checked by the if-else statements to see which one it’s true for. Then, the system will output to the user a general guideline on how to dress.