CLimb Logging Program

Year 13 Coursework

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# Analysis

## Problem Identification

Currently there are few rock climbing log apps that allows the user to log every climb they have done then display it whilst being able to save it securely on a computer or cloud.

Using a computer to take the input and store it means that the information will be stored uniformly and the same information will be taken every time and it can be recalled at any time to show whatever data the user requires. It also means that quick and easy backups can be made by copying the text file or database.

Every climb you log will allow you to rate how well the climb went. If you rate multiple as not gone well it will recommend an easier climb and vice versa, if you’re rating them as too easy it will recommend a harder one.

## Stakeholders

This would appeal to people that are active indoor and outdoor rock climbers. It is useful to people that wish to start awards such as CWA and needs logged climbs in order to pass it.

It will also be useful for people that want to know when they are doing well on a certain grade of climb or are struggling and what sort of climb they should be attempting in order to progress

## Research

I have found a few phone apps that allow you to input your climbs. However, the main focus of them is the social aspect of sharing the climbs with friends which must also have the app. I think this is a nice feature but it is quite difficult to navigate the app and know where to find everything.

From this research I have found that the most important feature of the application must be its most basic features that they work properly, are found easily and the data is easily recalled and safely stored.

My program unlike the ones used for research will not sync to an online database so won’t have the ability to be accessed from multiple places and if you lose the data on your computer it is lost, a backup is not automatically made, this may be worrying to people as the don’t want to lose all their data and want it backed up to ‘the cloud’

## Specify the requirements

1. There must be a login page which is secured with a passcode
   1. The password will be stored in a txt
2. The homepage must allow navigation to different pages
   1. It must allow navigation to;
      1. Adding a climb
      2. Deleting a climb
      3. Viewing all previous climbs
      4. Analysis of previous climbs
3. The program must allow input of climbs
   1. The interface must allow a climb to be added
   2. The data must be stored in a database or text file
4. The program must allow the deletion of a climb
   1. The interface must allow a climb to be deleted
   2. The deletion must be carried out in the database
5. The program must allow you to view all previous climbs
   1. It must display the data aesthetically either with a graph or a list of climbs
   2. It must recommend the next climb grade based on previous climbs

## Computer Requirements

Processor: 1Ghz Pentium or better  
Memory: 512Mb DDR2 or better  
Video Cards: Integrated  
Keyboard and Mouse