

Trail Explorers

- CPSC 481 (Human-Computer Interaction I) - Project Repository
- WPF Application for Microsoft Windows

Description

This is an interaction design project for a hiking application that caters to both novice and experts users.

Stack

- C#
- Microsoft Visual Studio

Requirements

- Make sure you are running the Windows operating system in order to run the application
- Download the latest version of [Visual Studio](#)

Deployment

In order to the run the application, follow the instructions:

- Open the `CPSC_481_Trailexplorers.sln` file using Visual Studio
- Once the project has launched, click on `Build` dropdown menu and select `Build Solution`
- One the code has been compiled, navigate to the following directory `../CPSC_481_Trailexplorers/bin/Debug`
- Click on the `CPSC_481_Trailexplorers.exe` file and launch the application

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Walkthrough

Scenario A

- The novice user launches the application, and selects the `Help` button to receive a walkthrough of the application in order to find a trail most suitable for them.
- The user is greeted with the `Filter` screen with a variety of different trail properties to select from.
- Next, from the dropdown menu the user selects `Province` Alberta and `Park` Banff.
- In addition, the user picks easy for `Difficulty` and anything that has `Time` up to 5 hours in duration while leaving all other properties unchanged.
- Finally, the user selects the `Apply` button and is taken to the following screen.
- The user is shown a list of available trails matching the requirements they set in the previous screen.
- The user decides to select on `Chester Lake` as it seems the most interesting, and the screen transitions to the trail `Profile` page.
- In the `Profile` page, the user scans all available information and clicks on the `Directions Here` button to be redirected to Google Maps for driving directions to the trailhead.

Scenario B

- The expert user launches the application, and selects the `Let` button to in order to immediately receive a list of all available trails to them.

- Since the expert user needs no introduction, they are given the ability to `Search` for the trail they are looking for at the top of the screen.
- The user enters the trail they are searching for (e.g. `Chester Lake`) and the search results in that specific trail being displayed in the list-view.
- The user decides to select on `Chester Lake` as it is what they're searching for, and the screen transitions to the trail `Profile` page.
- In the `Profile` page, the user scans all available information and clicks on the `Directions Here` button to be redirected to Google Maps for driving directions to the trailhead.