1. **Overview**: A brief description of the project. What is the problem you are trying to solve? What is your motivation to work on this?

This application aims to solve the need that hikers have to find good trails, with maps, tips on the level of difficulty, services offered and sales of related products.

I felt this need when I searched for websites that offered this service in my city and country and could not find any solution that met this need

1. **Target Audience**: Who is the target audience for the application? Who will it serve?

The target audience is hiking enthusiasts who are looking for events, news, tips, products, services and useful information.

However, it can be useful for other sports, such as mountain biking and adventure motorcycle racing.

The system serves to help the practitioner find the necessary resources to practice hiking safely.

1. **Major Functions**: A list of the major functions of the application. What will it do? List these in as much detail as you can. At least 8 major functions with their descriptions are required.

The major functions will be:

1- Create\_Update News.

This function will create or Update the news to be released.

2- getNews.

This function will read the latest news.

3- Display Trail map.

This function will get track information which will be displayed as a map.

4- Display available services.

This function will retrieve the services available for purchase by the customer.

5- Purchase services.

This function will allow the user to purchase the selected services.

6- Display products.

This function will retrieve the products available for purchase by the customer.

7- Purchase products.

This function will allow the user to purchase the selected products.

8- Create user.

This function allows you to create a new user.

9- Edit user.

This function allows you to change the data of a new user.

10- Query user.

This function allows you to obtain user data.

1. **Wireframes**: Wireframes of the major views, mobile and desktop.

Interface gráfica do usuário, Aplicativo

O conteúdo gerado por IA pode estar incorreto.

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1. **External Data**: What external API data source(s) will you use? What data will you need to store?
   1. OpenStreetMap – Geocoding API provided by Nominatin.
   2. OpenRouteService – Routing API provided by OpenRouteService.
2. **Module List**: A list of the modules you will need to build. What are the major components of the application?

1- Trail location module.

2- Service purchase module.

3- Product purchase module.

4- News module.

5- Events module.

1. **Graphic Identity**: List the color scheme, typography, and other specific element styling details. Include a design or description for an application icon.
   1. Color Scheme:
      * #003399 – blue
      * #FFEE93 – yellow
      * #009B3A – green
      * #FFFFFF – White
   2. Typography:
      * Arial, Sans Serif.
   3. Application Icon



1. **Timeline**: A schedule of the work you are planning to complete for weeks 5 through 7 of the term. Include specific deliverables of each week.
2. **Project Planning**: A link to a Trello board with all the tasks you can think of at this point defined as cards. Again be as detailed as possible here.