

Introduction:

Application Objective:

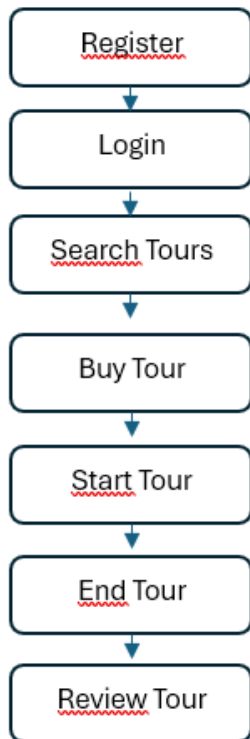
The mobile tour management application aims to allow users to consult and purchase bicycle tours. After purchasing a tour, the user can start the tour and will be presented with a map showing the route, passing through various predefined points of interest.

Functional Requirements:

Features:

- **User Registration:** Allows the registration of new users and the management of profiles, keeping a history of each user's activities and preferences.
 - Required fields: name, email, gender, country, age (over 18), password, acceptance of the privacy policy.
 - Optional fields: insurance, full name, address, identification (document type, number, expiration date), birth date.
- **User Login:** Allows users to authenticate in the application using their email and password.
- **Tour Consultation:** Allows users to consult available tours, including name, photo, description, difficulty level (1 to 3), estimated duration, distance, maximum and minimum altitude, price, reviews, and explanation of difficulty levels.
- **Tour Purchase:** Allows users to purchase tours through secure payment systems such as PayPal and Vivawallet.
- **Tour Usage:** Allows users to follow a map with points of interest during the tour. The user can skip points of interest and the map will be automatically updated. Points of interest have information such as name, description, photo, website, paid entry information, and type (historical, restaurant, etc.). At the end of the tour, the user can rate the tour with a 1 to 5-star rating and leave a comment.
- **Backoffice:** Web interface for creating tours, allowing the addition of new tours with information such as name, photo, description, difficulty level, duration, distance, altitude, price, and explanation of difficulty levels.

Workflows:



Non-Functional Requirements:

Technology:

- Based on the mobile phone's GPS.
- The application should work on Android and iPhone.
- Should be developed in Flutter.