1 INTRODUCTION

This user manual contains all essential information for the user to make full use of the Avaloon application. This manual includes a description of the Avaloon’s functions and capabilities, contingencies and alternate modes of operation, and step-by-step procedures for system access and using Avaloon.

1.1 Purpose and Scope

The purpose of this manual is to assist the user, the user, with the following:
- Setting up Avaloon for the first time.
- Setting up an account as a skier or friend of a skier.
- Navigating through the app and the main features.

1.2 Organization

This user manual organized the user manual from a bottom up approach, where it will introduce the base of the application to the clients and transition to the actual practical portion. It will introduce the different parts of the applications and their respective functionality. A further breakdown of the manual is provided below:

1. Introduction
   1.1 Purpose and Scope
   1.2 Organization
   1.3 Points of Contact
   1.4 Project References
   1.5 Primary Business Functions
   1.6 Glossary

2. System Capabilities
   2.1 Purpose
   2.2 General Description

3. Description of System Functions
   3.1 Finding user or site locations
      3.1.1 Searching
   3.2 Deploying the Avaloon
      3.2.1 Deployment prompt
3.3 Adding users
  3.3.1 Adding
3.4 Blocking users
  3.4.1 Blocking
3.5 Changing Purpose
3.6 About Application
3.7 Send Feedback
3.8 Support
3.9 Sign Out

4. Operating Instructions
  4.1 Initiate Operation
  4.2 Maintain Operation
  4.3 Terminate and Restart Operations

5. Error Handling
  5.1 Help Facilities

1.3 Points of Contact
Our team of experts is available around the clock for all users regardless of their location. We have a chat service on our main website that is available 24 hours, and a call center open during standard business hours. We are also on all social media like Twitter, Facebook, and Instagram.

Email: contact@avaloon.com
For technical support: support@avaloon.com
Facebook: https://facebook.com/avaloon
Twitter: https://twitter.com/avaloon
Phone: 1-800-AVA-LOON (1-800-282-5666).
Mail and Office Address: 608 south chandler drive, suite 23, Fairbanks AK 99701
Forums: https://www.avaloonapp.com/forum

1.4 Project References
Main website: https://projects.cs.uaf.edu/redmine/projects/cs371_f19_avaloon/wiki

1.5 Primary Business Functions
The primary function of the Avaloon application is to assist users with keeping track of their ski buddies while in the backcountry through the use of a live location tracking system. Using the
The Avaloon app will help users find their friends and other users in a similar area and check on their activity. The deploy function also helps users deploy their Avaloon (avalanche backpack) in time of emergency.

1.6 Glossary

GPS: It is a navigational system that uses satellite signals to fix the location on the earth’s surface. GPS system is available to the user's phone without the connection of the internet.

2 SYSTEM CAPABILITIES

Avaloon app uses the user's phone’s GPS to find users from anywhere in the world in order to keep track of it’s users’ conditions. It enables its users to find other skiers that he/she know who use this app so that he/she know the condition of the skier. It also allows its users to find hotels and other information about an area that skier is hoping to ski at. It also allows users who are in danger to send a message to local authorities to get assistance if he/she find themselves in trouble.

2.1 Purpose

The purpose of Avaloon is to ensure that users have a safe experience whenever he/she backcountry ski.

2.2 General Description

The Avaloon app allows users to quickly find other users, alert authorities of danger, and find tourist information. List of features include:

1. Selecting a purpose
   a. Skier
   b. Friend of a skier
2. Find a friend
   a. Access contacts
   b. Search
3. Send an alert
   a. “Yes” for deploying Avaloon
   b. “No” denies deployment
4. Find reviews for local sights
5. Find hotels
6. Find restaurants
7. Find local hot spots
8. Turn on/off permission for other users to find the user
9. Turn on/off Push notifications
10. Turn on/off location services
11. Block users
12. Add friends
   a. From contacts
   b. From facebook
   c. From instagram
   d. Suggestions
13. Change purpose
14. About Application
15. Send Feedback
16. Support
17. Sign out

3 DESCRIPTION OF SYSTEM FUNCTIONS

The Find function allows users to find various places and people of interest in the area such as other users, restaurants, hotels, hotspots, and reviews.

The Deploy function allows users to deploy their Avaloon via the user interface.

The Add users function allows one to add another user.

The Block users function allows one to block another user.

The Change Purpose function alters the purpose of the user using the app

3.1 Finding user or site locations

Finding another user, restaurant, etc is made easy using the built in search feature.

3.1.1 Searching

Searching for a persona or place can be done at any time.

1. To find the user
   a. go to “Add friends” in side menu
   b. tap the search bar at the top
   c. type in the person’s username
   d. the user will see the person’s name in the results

2. To find a places
   a. go to “Guide” on the side menu
   b. then type in the place of interest.
   c. a list of relevant items will be displayed.
3.2 Deploying the Avaloon
The app will let the user know if there is an emergency for which deployment of the Avaloon is necessary.

3.2.1 Deployment prompt
The user will be presented with the option to deploy the safety device. He/she will be able to select yes to deploy, or no wish not to.

3.3 Adding users
Users can be added to the friends list at any time.

3.3.1 Adding
After searching for specific user, that user can then be added by pressing the ADD icon.

3.4 Blocking users
The user can block users from seeing both the user's location and profile.

3.4.1 Blocking
If the user is already the user's friend, then search the user's friends list for their profile and select BLOCK icon.
If the user is not already the user's friend, then search their name in the search menu and then after their profile is found just select the BLOCK icon.

3.5 Changing Purpose
The purpose of the user changes the experience of the user using the app. If the user chooses the “skier” option then he/she will have all of the options available on the app. If the user chooses the “friend of a skier” he/she will only have the search and find friend features available to them.

3.6 About Application
This displays information about the app such as what version it is, notice of copyright, and the vision statement.

3.7 Send Feedback
If the user wants to leave a review about using the app, any positive or negative experiences, if he/she have any suggestions for possible fixes, then he/she can select this option to do so.

3.8 Support
If the user needs help navigating the app or have any other questions related to the app he/she can select this option.

3.9 Sign Out
A user can sign out of the app, requiring them to sign in the next time he/she open it, he/she can do so with this option. This option also disable tracking until the user logs back in.

4 OPERATING INSTRUCTIONS
Avaloon is available in both google or ios app store. Follow the instructions to ensure best performance

1) Download the Avaloon Application from the google or ios app store.
2) Update the Avaloon Application to make sure that the version is current.
3) Register as the user or connect to facebook
4) Log into the Avaloon Application
5) Turn on the user's location services

Once the location service is turned on, clients can enjoy the many features that we have in our Avaloon application. Add friends, block other users and to see the reviews for local sight seeing or travel hot spots while knowing that he/she are connected to the local rescue center in case of emergencies.

4.1 Initiate Operation
Once the app is downloaded and updated through the playstore, the user will be required to enter their personal information or connect their account through facebook. Once initial ID and password are generated through the account creation, user will be prompted to turn on their location service. After the location service is turned on, users will be prompted with a review of their geological location and a functionality to add or remove other users.

4.2 Maintain Operation
- Users will have to login to the Avaloon application prior to use.
- Users will have to turn on the location service.
- Although Emergency Services are available in the Avaloon application, it still needs to be engaged by the user to be activated.
- Adding and Removing Friends will have to be done by the client.
4.3 Terminate and Restart Operations

To terminate and restart the Avaloon application, simply close the application and turn the application back on, different phones may have different ways of shutting down the application. If all else fails, restart the phone.

5 ERROR HANDLING

ERROR 5693: The Avaloon application is unable to upload the user's current location. The user should make sure he/she have allowed the app to access the user's location through the user's phone settings. If the error still occurs, contact tech support.

ERROR 386: Unable to update the user's account. The user needs to check their internet connection and try again. If the error still occurs, contact tech support.

5.1 Help Facilities

If the user needs assistance with any problems or has any questions or concerns, he/she can email customer support at support@avaloon.com. For any additional support, he/she can call us at 1-800-AVA-LOON(1-800-282-5666).