**1. INTRODUCTION**

**1.1 PURPOSE**

The purpose of this document is to build a safe forum for travelers (instead of tons of weird Facebook groups).

**1.2 INTENDED AUDIENCE AND READING SUGGESTIONS**

The application is intended for travelers and tour guides of all levels.

**1.3 PROJECT SCOPE**

Web application that facilitates the connection between individuals who share similar travel interests and schedules. It allows users to post and view travel plans, find compatible travel companions, communicate through messaging, and participate in group trips.

**1.4 REFERENCES**

* <https://gitlab.fel.cvut.cz/taranyel/ear-semestral-work>

**2. OVERALL DESCRIPTION**

**2.1 SAFETY**

Application will check user identity via email. Also, after each trip users will be rated by other users. Rating will be displayed in the traveller profile.

**2.2 PRODUCT PERSPECTIVE**

A database system stores the following information.

* **Trip details:**  
  It includes trip destination, dates and maximum people capacity.
* **Traveller details:**  
  It includes traveller name, address, and email. It also includes traveller’s wish list, all joined trips, rating and outcoming join requests. Also trip creators could look at incoming join requests by other users to their trips.
* **Attend list (chat) details:**  
  It includes chat details such as messages, list of all joiners. Each trip has own chat with admin (trip creator) and all trip joiners.

**2.3 PRODUCT FEATURES**

The major features of the traveller forum as shown in below entity–relationship model (**ER model**)

**A diagram of a computer

Description automatically generated**

**2.4 USER CLASS and CHARACTERISTICS**

Users of the system should be able to create and search for travel posts. Also they can interact with other users within common chat. The system will support two types of user privileges, Traveller, and Administrator. Travellers will have access to traveller functions, and the admins will have access to both traveller and management functions.

**Traveller:**

* Create new trip
* Delete/edit an existing trip
* Log in/log out
* Respond to trips (create join request)
* Delete/edit profile
* Write in a common chat
* Search for other users and be able to view their profile
* Search posts using filters
* Rate other users
* Add/remove post to wish list
* Complain a
* bout other user (contact support)

For chat admin:

* Delete users from the common chat
* Approve someone’s join request
* Reject someone’s join request

**Administrator**:

* Traveller functions
* Delete other people's trips (and trip chat)
* Delete other people’s profiles
* Block/unblock regular users

**2.5 OPERATING ENVIRONMENT**

The operating environment for the airline management system is as listed below.

* client/server system
* Operating system: any.
* database: sql+ database

**2.6 PROCESS DIAGRAM**

For better understanding process of creation and joining trip.

A diagram of a diagram

Description automatically generated