WhereIGo (ISPW 2019-20 Project)

Students:

Pierciro Caliandro 0252345

Gian Marco Falcone 0253055

1.Introduction

1. Aim of the document

This document describes the WhereIGo (WIG) application project developed for the Software Engineering and Web Design course of the academic year of 2019-20.

2. Overveiw of the defined system

The system is a traveling agency that helps travelers find places they would be interested to visit and companions to go with (according to their personality evaluated by a test) and rooms to rent from hosts near their destination.

3. Operational settings

The system was built both as stand-alone desktop application and as web application.

The desktop application was built in Eclipse using Java SDK11 and JavaFX11.

The web application was built using Java SDK11, HTML, CSS, JSP and Apache Tomcat v9.0 server.

4. Related systems, Pros and Cons

**TourBar:**

**PROS:** The system provides the user with a personality test, so if they can’t decide on a location to visit, it suggests many to choose from for them. It also suggests traveling companions that would get along with them.

**CONS:** The application may not be for people who already have a clear idea of where to go and with who. It is not a dating app.

**PersonalityPerfect:**

**PROS:** The system suggests the user places to visit and people to travel with based on their personality. It lets the user organize their journey and keep in touch with their new friends.

**CONS:** The personality test is less complex, given its purpose. It doesn’t give users advice on how to improve themselves and their relationship with other people.

2. User Stories

PIERCIRO

1. As a traveler, I want to book two-way tickets for my travels, so that I can save money.

2. As a traveler, I want to rent out a house, so that I can organize my travel without seeking for an house on other web-sites.

3. As a traveler, I want to create travel groups, so that other travelers can join it and we can travel together.

GIAN MARCO

4. As a traveler, I want to take a personality test, so that I can understand which is the best nation I could go on holiday, according to my needs and interests.

5. As a renter, I want to post announcements of my spare rooms, so that travelers can rent them, and I can make money.

6. As a traveler, I want to chat with other people, so that I can find users with similar interests with whom I could share a good journey.

7. As a traveler, I want a list of cities that are suited for my personality, so that I can visit them.

8. As a traveler, I want to join travel groups, so that I can meet new people.

9. As a traveler, I want a list of travelers with my same personality, so that I can contact them and organize a travel with them.

10. As an archeology lover, I want to visit ancient civilizations sites, so that I can learn more about them.

11. As an environmentalist, I want to choose alternatives to conventional travel systems to reach my destination, so that I pollute as little as possible.

12. As a moderator, I want to have access to the posts of users, so that I have the possibility to delete inappropriate posts in order to keep the website a happy place.

13. As a traveler, I want to read other people's reviews, so that I can have an overview of the place that I want to visit.

14. As a user seeking for a group, I want to see if I share interests with other people, so that I can contact them and travel with them.

15. As a promoter, I want to be able to contact travelers in my city (at most 20km from my position), so that I can offer them rebates for discos.

3. Functional Requirements

PIERCIRO

1. The system shall provide to travelers a form to create travel groups.

2. The system shall provide to travelers a section to rent a house.

3. The system shall provide to renters a form to post rent announcements.

GIAN MARCO

4. The system shall provide a private chat between users.

5. The system shall display available accommodations to all travelers.

6. The system shall provide an interface to add, update or delete own accommodations for renters.

7. The system shall provide to travelers a users’ list based on their personality.

8. The system shall provide to travelers a destination list based on their personality.

9. The system shall provide a registration form to the user.

10. The system shall provide to travelers to join groups.

11. The system shall provide to travelers a form to create groups.

12. The system shall provide private chats to the users.

13. The system shall provide information\* about a country when a user selects it.

14. The system shall provide the users to register their own account.

15. The system shall provide the possibility for travelers to book flights.

16. The system shall provide a personality test\* to all travelers.

17. The system shall provide locations to visit and companions to travel with to users based on their personality\*.

DICTIONARY

• personality test: a series of questions suggesting situations in which the user has to take action, the answers are listed below the question and based on what the user chooses the system calculates their personality.

• information about a country: climate conditions, the most important places to visit in the country, uses and costumes, restaurants, bars where to go in the evening.

• personality: determined by the personality test.