**Travelling Stories**

# **General project description**

The developed project represents an application designed for a variety of people including travel enthusiasts, persons who are searching for the perfect holiday destination or even for persons that came back from their holiday and feel the need to share with others their experiences and adventures.

Using the main functionality of the application, which is the “Story” functionality, a user will be able to add a new story containing several pieces of information regarding tourist attractions which might present an interest for others that are preparing to visit those places or for those who are undecided regarding the next holiday destination.

Each story posted by a user can be rated by the other users according to the importance and amount (E.g. the transportation, charges, main attractions, community, accommodation, food, etc.) of information that user has provided to the community. This way all the other users will know if the information provided in a story is reliable or not.

# **Project functional requirements**

The entire application will contain 2 types of users:

* administrator
* regular users

All users should be able to register and login into the application before accessing the other pages.

After the login all users should be able to access their profile and make modifications if they want, access other user’s profiles and visualize stories created by other users.

Some functionalities will be different depending on the role the user has:

* ADMINISTRATOR:

-manages the users (update, delete users)

-manages the stories (delete stories)

-generate pdf reports

* REGULAR USER:

-add new stories containing information related to tourist attractions

-search through the existing stories

-rate a story added by another user

-add tourist destinations to favorites

**SEARCH FUNCTIONALITY**

-on the page containing all the stories, the user should be able to search using a text box and the inserted text will be searched through the titles and destinations.

**EMAIL MESSAGING SYSTEM**

Each user will have in his own profile setup a section regarding emails. In this section the user will be able to check some choices corresponding to email receiving.

A choice example is to receive an email when someone else posted a story containing one of the favorite destinations the user has.

**REPORT GENERATOR**

An administrator should be able to generate a report containing information regarding users and stories e.g. the total number of users that logged into the application, the total number of stories posted, the total number of attractions, the total number of countries, etc.

# **Project non-functional requirements**

* Availability – in the best-case scenario the system will be available continuously without stopping. In reality, the users will not be able to use the application when new major functionalities will be added. This will happen because of the deployment phase.
* Portability – the application will be responsive on mobile devices
* Security – the access is limited only to authorized users (registered users => authentication facilities in the system), encode passwords before storing them in the database
* Usability – the application should be intuitive and there should be no difficulty for the user on using the application => develop helpful functionalities like searching
* Development requirements – the main used programming languages will be Spring and AngularJS (Angular 4 in the best-case)
* Testability – create unit tests. The tests coverage should be above 80%.

# **Complex operations**

The complex operations are the email system, the report generator and the search mechanism which were described in the functional requirements section.