Travel Advisor Project

**Software Requirements Specification**

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**Revision History**

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| **Author** | **Date** | **Reason For Changes** | **Version** | **Approved by** | **Date of Approval** | **Comments** |
| **Sara Sayed** | **27/04/2019** | **Initial draft** | **1.0** | **Mahmoud Yasser** | **29/04/2019** | **1 – Add restriction on booking a flight function (only 1 flight for every user)**  **2- Search function for Admin user is out of scope**  **3- Update Non-Functional requirements and remove security, compatibility, maintainability, reliability, portability, and usability.**  **4- Update Constraints: Java instead of C# and ASP.NET** |
| **Sara Sayed** | **03/05/2019** | **Comments 1, 3,4 accepted** | **1.1** | **Mahmoud Yasser** | **03/05/2019** |  |

# Introduction

## Purpose of this document:

The purpose of this Software Requirements Specification (SRS) document is to provide a complete description of both the purpose and functionality of the software system that is to be developed. This document includes the details of the systems requirements. The main intended audience for this SRS is the customer for whom the system is to be implemented. However, this document may also be helpful to others, such as developers who might be trying to understand the interactions of the system. The tone of the document is fairly technical, but the goal is to depict the system at a high enough level such that it can be understood by domain experts as well as developers.

## Scope of this document:

This requirements document is being created with the goal in mind of thoroughly describing the requirements defined our team. The team is made up of Nesma Bahgat, Maysoon Magdy, Esraa Salah, Asmaa Hamdy, Sara Sayed, and Mahmoud Yasser. Within the projected schedule. This document will include detailed descriptions of all Requirements for the Travel Advisor system with the help of diagrams and Visuals that depict our schedule, costs, and constraints.

## Overview:

The idea is about providing a window for the different places and tours that a traveler can view before travelling to a specific country. This website should guide the traveler through the journey.

# General Description

## Product Functions:

This web application will help travelers more efficiently in landing on a photo gallery of the top travel destinations and booking a flight. The traveler can send his feedback and share his experience by the rating system.

## User Characteristics:

|  |  |  |
| --- | --- | --- |
| **ID** | **User** | **Description** |
| U-1 | Admin | A signed up user who has completed the account activation. He can do some functions like add users and  delete users. |
| U-2 | Traveler | A user of the portal who has completed the sign up on the  portal and the account activation. |
| U-3 | Guest | A user of the portal who has not completed neither the sign up on the portal, nor the account activation. He owns  limited rights inside the portal. |

## General Constraints:

* + - Web-based system / PC based
    - Application created using HTML
    - Application created using CSS
    - Application created using JavaScript
    - Application created using Java
    - Application created using SQL Server
    - There is a time constraint for this project, it is due by June 1, 2019.

# Functional Requirements

The Travel Advisor will have three roles

1. Admin
2. Traveler
3. Guest

Following features/modules will be available to these three different roles

|  |  |  |
| --- | --- | --- |
| **Admin** | **Traveler** | **Guest** |
| Sign Up | Sign Up | Land On a photo gallery |
| Login | Login | Show Travel destinations details |
| Add User | Land on a photo gallery |  |
| Delete User | Rating travel |  |

|  |  |  |
| --- | --- | --- |
| Logout | Show Travel destination details |  |
|  | Explore Different Airlines |  |
|  | Choose Payment method |  |
|  | Book Flight |  |
|  | Send Feedback |  |
|  | Logout |  |

Description of the modules

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Applicable Roles** | **Description** |
| Sign Up | Admin  Traveler | **Admin:** An admin can sign up on the system by Enter Username, full name, email, password, phone number and using admin type  **Traveler:** A user can sign up on the system by Enter Username, full name, email, password, phone number and using user type |
| Login | Admin  Traveler | **Admin:** An admin can login using Username and password  **Traveler:** A user can login using Username and password |
| Add User | Admin | **Admin:** An admin can add multiple users on the system |
| Delete User | Admin | **Admin:** An admin can delete users signed up on the system. |
| Land on a photo gallery | Traveler Guest | **Traveler:** A signed up user can land on a photo gallery of the top travel destinations and see other traveler’s pervious tours and their ratings for the tours.  **Guest:** A not signed up user can land on a photo gallery of the top travel destinations. |
| Show Travel destination details | Traveler Guest | **Traveler:** A signed up user can after landing on a photo gallery of the top travel destinations to show the details about each of them.  **Guest:** A not signed up user can after landing on a photo gallery of the top travel destinations to show the details about each of them. |

|  |  |  |
| --- | --- | --- |
| Explore Different Airlines | Traveler | **Traveler:** A signed up user can explore different airlines and choose one of them to book his flight. |
| Choose Payment Method | Traveler | **Traveler:** System provides payment methods the user can choose his payment method (cash or debit card) to book his flight. |
| Book flight | Traveler | **Traveler:** A signed up user can book just one flight, his/her travel either going or going and coming back trip. |
| Send Feedback | Traveler | **Traveler:** A signed up user can send feedback and share his experience with our website. |
| Logout | Admin Traveler | **Admin:** An admin can logout from the system.  **Traveler:** A signed up user can logout from the system. |

# Sign Up

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_001 | The homepage contains a ‘sign up’ button in the navigation bar. |
| TAWA\_SRS\_FR\_002 | The user clicks on the ‘sign up’ button in the home page to navigate to a ‘sign up’ form. |
| TAWA\_SRS\_FR\_003 | The sign up form shall contain a drop down list having the two types ‘admin’ and ‘user’. |
| TAWA\_SRS\_FR\_004 | The Traveler shall be able to register in the website with the ‘user’ type. |
| TAWA\_SRS\_FR\_005 | The Admin shall be able to register in the website with the ‘admin’ type. |
| TAWA\_SRS\_FR\_006 | The sign up form shall be contain ‘username’ text field. |
| TAWA\_SRS\_FR\_007 | The Traveler shall be able to register in the website with unique username. |
| TAWA\_SRS\_FR\_008 | The Admin shall be able to register in the website with unique username. |
| TAWA\_SRS\_FR\_009 | The username filed shall contain characters, special characters and numbers only. |
| TAWA\_SRS\_FR\_010 | The length of the ‘username’ field shall not exceed 32 characters. |
| TAWA\_SRS\_FR\_011 | In case invalid ‘username’ entered shall be display error message says ‘invalid username’. |
| TAWA\_SRS\_FR\_012 | The sign up form shall contain an ‘email’ text field. |
| TAWA\_SRS\_FR\_013 | The ‘email’ field shall contain ‘@’ character. |
| TAWA\_SRS\_FR\_014 | The ‘email’ field shall contain ‘.’ character. |
| TAWA\_SRS\_FR\_015 | The ‘email’ field shall contain domain name like ‘com, eg and so on’. |
| TAWA\_SRS\_FR\_016 | The ‘email’ field shall contain before ‘@’ characters and numbers. |
| TAWA\_SRS\_FR\_017 | The length of the ‘email’ field shall not exceed 32 characters. |
| TAWA\_SRS\_FR\_018 | In case invalid ‘email’ entered shall be display error message says ‘invalid email’. |
| TAWA\_SRS\_FR\_019 | The ‘sign up’ form shall contain a ‘password’ text field. |
| TAWA\_SRS\_FR\_020 | The ‘password’ field shall contain characters, special characters and numbers. |
| TAWA\_SRS\_FR\_021 | The length of the password field shall be in between 8 and 12 characters. |
| TAWA\_SRS\_FR\_022 | In case invalid ‘password’ entered shall be display error message says ‘invalid password’. |
| TAWA\_SRS\_FR\_023 | The ‘sign up’ form shall be contain ‘full name’ text field. |
| TAWA\_SRS\_FR\_024 | The ‘full name’ field shall be contain characters and spaces only. |
| TAWA\_SRS\_FR\_025 | The length of the ‘full name’ field shall not exceed 32 characters. |
| TAWA\_SRS\_FR\_026 | In case invalid ‘full name’ entered shall be display error message says ‘invalid full name’. |
| TAWA\_SRS\_FR\_027 | The ‘sign up’ form shall be contain phone number text field. |
| TAWA\_SRS\_FR\_028 | The ‘phone number’ field shall be contain numbers only. |
| TAWA\_SRS\_FR\_029 | The length of the ‘phone number’ field shall not exceed 20 characters. |
| TAWA\_SRS\_FR\_030 | In case invalid ‘phone number’ entered shall be display error message says ‘invalid phone number’. |
| TAWA\_SRS\_FR\_031 | The ‘sign up’ form shall be contain ‘sign up’ button. |
| TAWA\_SRS\_FR\_032 | The signed up user shall be didn’t exist in the database before add him. |
| TAWA\_SRS\_FR\_033 | If the user exist in the database shall display error message says ‘This user already exist’. |
| TAWA\_SRS\_FR\_034 | If the user signed up successfully shall display successful message says ‘Signed up successfully’ . |

# Login

|  |  |
| --- | --- |
| **ID** | **System Requirement** |
| TAWA\_SRS\_FR\_035 | The homepage contains a ‘login’ button in the navigation bar. |
| TAWA\_SRS\_FR\_036 | The Traveler shall be able to login into the website to be able to book a flight. |
| TAWA\_SRS\_FR\_037 | The Admin shall be able to login into the website to be able to manage the users (add user, delete user). |
| TAWA\_SRS\_FR\_038 | The ‘login’ form shall be contain ‘username’ text field. |
| TAWA\_SRS\_FR\_039 | The ‘login’ form shall be contain ‘password’ text field. |
| TAWA\_SRS\_FR\_040 | The Traveler shall be able to login with signed up user. |
| TAWA\_SRS\_FR\_041 | The Admin shall be able to login with signed up admin. |
| TAWA\_SRS\_FR\_042 | The entered password shall be for it’s right username |
| TAWA\_SRS\_FR\_043 | The ‘login’ form shall contain a ‘login’ button. |
| TAWA\_SRS\_FR\_044 | When ‘login’ as a user shall redirect to the user portal. |
| TAWA\_SRS\_FR\_045 | When ‘login’ as an admin shall redirect to the admin portal. |

# Add User

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_046 | After login as an admin The admin shall be able to add users. |
| TAWA\_SRS\_FR\_047 | The admin clicks on the ‘add user’ button in the home page to navigate to a ‘add user’ form. |
| TAWA\_SRS\_FR\_048 | The ‘add user’ form shall contain ‘username’ text field. |
| TAWA\_SRS\_FR\_049 | The ‘username’ field shall be unique. |
| TAWA\_SRS\_FR\_050 | The ‘username’ filed shall contain characters, special characters and numbers only. |
| TAWA\_SRS\_FR\_051 | The ‘add user’ form shall contain an ‘email’ text field. |
| TAWA\_SRS\_FR\_052 | The ‘email’ field shall contain ‘@’ character. |
| TAWA\_SRS\_FR\_053 | The ‘email’ field shall contain ‘.’ character. |
| TAWA\_SRS\_FR\_054 | The ‘email’ field shall contain domain name like ‘com, eg and so on’. |
| TAWA\_SRS\_FR\_055 | The ‘email’ field shall contain before ‘@’ characters and numbers only. |
| TAWA\_SRS\_FR\_056 | The ‘add user’ form shall contain a ‘password’ text field. |
| TAWA\_SRS\_FR\_057 | The ‘password’ field shall contain characters, special characters and numbers. |
| TAWA\_SRS\_FR\_058 | The length of the ‘password’ field shall be in between 8 and 12 characters. |
| TAWA\_SRS\_FR\_059 | The ‘add user’ form shall be contain ‘full name’ text field. |
| TAWA\_SRS\_FR\_060 | The ‘full name’ field shall be contain characters and spaces only. |
| TAWA\_SRS\_FR\_061 | The ‘add user’ form shall be contain phone number text field. |
| TAWA\_SRS\_FR\_062 | The ‘phone number’ field shall be contain numbers only. |
| TAWA\_SRS\_FR\_063 | The length of the ‘phone number’ field shall not exceed 20 characters. |
| TAWA\_SRS\_FR\_064 | The ‘add user’ form shall be contain ‘add’ button. |
| TAWA\_SRS\_FR\_065 | The admin clicks on ‘add’ button to submit the form. |
| TAWA\_SRS\_FR\_066 | The added user shall be didn’t exist in the database before add him. |
| TAWA\_SRS\_FR\_067 | If the user exist in the database shall display error message says ‘This user already exist’. |
| TAWA\_SRS\_FR\_068 | If the user added successfully shall display successful message says ‘the user added successfully’ . |

# Delete User

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_069 | After login as an admin The admin shall be able to delete users. |
| TAWA\_SRS\_FR\_070 | The admin clicks on the ‘delete’ button to specific user in the page listed all users. |
| TAWA\_SRS\_FR\_071 | The user shall be exist in the page listed all users. |
| TAWA\_SRS\_FR\_072 | After clicking on ‘delete’ button shall display message says ‘Are you sure to delete this user?’. |
| TAWA\_SRS\_FR\_073 | After message displayed if user choose ‘yes’ the user shall be delete from the system. |
| TAWA\_SRS\_FR\_074 | After message displayed if user choose ‘No’ the user shall not be delete from the system. |

# Land on a photo gallery

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_075 | When the ‘guest’ open the website shall be redirect to the home page. |
| TAWA\_SRS\_FR\_076 | After login as a ‘user’ The user shall be redirect to the home page. |
| TAWA\_SRS\_FR\_077 | The home page shall be contains a photo gallery of the top travel destinations. |
| TAWA\_SRS\_FR\_078 | The top travel destinations shall be listed based on the rating system. |

# Interface Requirements

## User Interfaces:

Overall the system should have two interfaces:

1. Administrators interface
2. Users interface

## GUI:

For the general user the site shall have a photo gallery with updates on the top travel destinations. The projected site interface shall follow along the trends on the following page.

For the admin the site shall have a portal to manage the users (Add user, Search for a user, Delete user).

# Non-Functional Requirements

|  |  |
| --- | --- |
| **ID** | **Performance Requirements** |
| NFR-1 | The time from clicking a button to getting a response from the application should take no longer than 5 seconds. |
| NFR-2 | The application should be able to make 1000 request. |