Travel Advisor Project

**Software Requirements Specification**

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# 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 |  |

|  |  |  |
| --- | --- | --- |
| View All users | Show Travel destination details |  |
| Edit users | Explore Different Airlines |  |
| Logout | 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. |
| Rating travel | Traveler | **Traveler:** A signed up user can rate his travel after it finish to share his experience with other users and it helps in list the photo gallery based on the travels have high rating. |
| 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 radio button 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 **14** characters. |
| TAWA\_SRS\_FR\_011 | In case invalid ‘username’ entered shall be display error message says ‘please re-enter your data’. |
| 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 valid domain name. |
| 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 **24** characters. |
| TAWA\_SRS\_FR\_018 | In case invalid ‘email’ entered shall be display error message says ‘please re-enter your data’. |
| 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 ‘please re-enter your data’. |
| 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 **24** characters. |
| TAWA\_SRS\_FR\_026 | In case invalid ‘full name’ entered shall be display error message says ‘please re-enter your data’. |
| 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 ‘please re-enter your data’. |
| TAWA\_SRS\_FR\_031 | The ‘sign up’ form shall be contain ‘sign up’ button. |
| TAWA\_SRS\_FR\_032 | The ‘sign up’ form shall be contain ‘login’ link. |
| TAWA\_SRS\_FR\_033 | The ‘submit’ button in the ‘sign up’ form shall be clickable only when the user fill all fields. |
| TAWA\_SRS\_FR\_034 | When click on ‘login’ link in the ‘sign up’ form shall redirect to ‘login’ page. |
| TAWA\_SRS\_FR\_035 | The signed up user shall be didn’t exist in the database before add him. |
| TAWA\_SRS\_FR\_036 | If the user exist in the database shall display error message says ‘This username is already reserved, Please enter a different username’. |
| TAWA\_SRS\_FR\_037 | If the user signed up successfully shall display successful message says ‘Congratulations! A new account has been created successfully’ . |

# Login

|  |  |
| --- | --- |
| **ID** | **System Requirement** |
| TAWA\_SRS\_FR\_038 | The homepage contains a ‘login’ button in the navigation bar. |
| TAWA\_SRS\_FR\_039 | The Traveler shall be able to login into the website to be able to book a flight. |
| TAWA\_SRS\_FR\_040 | The Admin shall be able to login into the website to be able to manage the users (add user, delete user). |
| TAWA\_SRS\_FR\_041 | The ‘login’ form shall be contain ‘username’ text field. |
| TAWA\_SRS\_FR\_042 | The ‘login’ form shall be contain ‘password’ text field. |
| TAWA\_SRS\_FR\_043 | The Traveler shall be able to login with signed up user. |
| TAWA\_SRS\_FR\_044 | The Admin shall be able to login with signed up admin. |
| TAWA\_SRS\_FR\_045 | The entered password shall be for it’s right username |
| TAWA\_SRS\_FR\_046 | The ‘login’ form shall contain a ‘forget password’ link. |
| TAWA\_SRS\_FR\_047 | The ‘forget password?’ link shall be clickable. |
| TAWA\_SRS\_FR\_048 | When click on ‘forget password?’ link shall redirect to ‘reset password’ page. |
| TAWA\_SRS\_FR\_049 | The ‘login’ form shall be contain ‘sign up’ link. |
| TAWA\_SRS\_FR\_050 | The ‘sign up’ link in the ‘login’ form shall be clickable. |
| TAWA\_SRS\_FR\_051 | When click on ‘login’ link in the ‘login’ form shall redirect to ‘sign up’ page. |
| TAWA\_SRS\_FR\_052 | The ‘login’ form shall contain a ‘login’ button. |
| TAWA\_SRS\_FR\_053 | When ‘login’ as a user shall redirect to the user portal. |
| TAWA\_SRS\_FR\_054 | When ‘login’ as an admin shall redirect to the admin portal. |

# Add User

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_055 | After login as an admin The admin shall be able to add users. |
| TAWA\_SRS\_FR\_056 | The admin clicks on the ‘add user’ button in the home page to navigate to a ‘add user’ form. |
| TAWA\_SRS\_FR\_057 | The ‘add user’ form shall contain ‘username’ text field. |
| TAWA\_SRS\_FR\_058 | The ‘username’ field shall be unique. |
| TAWA\_SRS\_FR\_059 | The ‘username’ filed shall contain characters, special characters and numbers only. |
| TAWA\_SRS\_FR\_060 | The length of the ‘username’ field shall not exceed **14** characters. |
| TAWA\_SRS\_FR\_061 | In case invalid ‘username’ entered shall be display error message says ‘please re-enter your data’. |
| TAWA\_SRS\_FR\_062 | The ‘add user’ form shall contain an ‘email’ text field. |
| TAWA\_SRS\_FR\_063 | The ‘email’ field shall contain ‘@’ character. |
| TAWA\_SRS\_FR\_064 | The ‘email’ field shall contain ‘.’ character. |
| TAWA\_SRS\_FR\_065 | The ‘email’ field shall contain valid domain name. |
| TAWA\_SRS\_FR\_066 | The ‘email’ field shall contain before ‘@’ characters and numbers only. |
| TAWA\_SRS\_FR\_067 | The length of the ‘email’ field shall not exceed **24** characters. |
| TAWA\_SRS\_FR\_068 | In case invalid ‘email’ entered shall be display error message says ‘please re-enter your data’. |
| TAWA\_SRS\_FR\_069 | The ‘add user’ form shall contain a ‘password’ text field. |
| TAWA\_SRS\_FR\_070 | The ‘password’ field shall contain characters, special characters and numbers. |
| TAWA\_SRS\_FR\_071 | The length of the ‘password’ field shall be in between 8 and 12 characters. |
| TAWA\_SRS\_FR\_072 | In case invalid ‘password’ entered shall be display error message says ‘please re-enter your data’. |
| TAWA\_SRS\_FR\_073 | The ‘add user’ form shall be contain ‘full name’ text field. |
| TAWA\_SRS\_FR\_074 | The ‘full name’ field shall be contain characters and spaces only. |
| TAWA\_SRS\_FR\_075 | The length of the ‘full name’ field shall not exceed **24** characters. |
| TAWA\_SRS\_FR\_076 | In case invalid ‘full name’ entered shall be display error message says ‘please re-enter your data’. |
| TAWA\_SRS\_FR\_077 | The ‘add user’ form shall be contain phone number text field. |
| TAWA\_SRS\_FR\_078 | The ‘phone number’ field shall be contain numbers only. |
| TAWA\_SRS\_FR\_079 | The length of the ‘phone number’ field shall not exceed 20 characters. |
| TAWA\_SRS\_FR\_080 | In case invalid ‘phone number’ entered shall be display error message says ‘please re-enter your data’. |
| TAWA\_SRS\_FR\_081 | The ‘add user’ form shall be contain ‘add’ button. |
| TAWA\_SRS\_FR\_082 | The ‘add’ button shall be clickable only after filling all fields. |
| TAWA\_SRS\_FR\_083 | The admin clicks on ‘add’ button to submit the form. |
| TAWA\_SRS\_FR\_084 | The added user shall be didn’t exist in the database before add him. |
| TAWA\_SRS\_FR\_085 | If the user exist in the database shall display error message says ‘This username is already reserved, Please enter a different username’. |
| TAWA\_SRS\_FR\_086 | If the user added successfully shall display successful message says ‘Congratulations! A new account has been created successfully’ . |

# Delete User

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_087 | After login as an admin The admin shall be able to delete users. |
| TAWA\_SRS\_FR\_088 | The admin clicks on the ‘delete’ button to specific user in the page listed all users. |
| TAWA\_SRS\_FR\_089 | The user shall be exist in the page listed all users. |
| TAWA\_SRS\_FR\_090 | After clicking on ‘delete’ button shall display message says ‘Are you sure to delete this user?’. |
| TAWA\_SRS\_FR\_091 | After message displayed if user choose ‘yes’ the user shall be delete from the system. |
| TAWA\_SRS\_FR\_092 | After message displayed if user choose ‘No’ the user shall not be delete from the system. |

# Land on a photo gallery

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| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_093 | When the ‘guest’ open the website shall be redirect to the home page. |
| TAWA\_SRS\_FR\_094 | After login as a ‘user’ The user shall be redirect to the home page. |
| TAWA\_SRS\_FR\_095 | The home page shall be contains a photo gallery of the top travel destinations. |
| TAWA\_SRS\_FR\_096 | The home page shall be contains ‘Grid view’ button. |
| TAWA\_SRS\_FR\_097 | The ‘Grid view’ button shall be clickables. |
| TAWA\_SRS\_FR\_098 | The home page shall be contains ‘list view’ button. |
| TAWA\_SRS\_FR\_099 | The ‘List view’ button shall be clickable. |
| TAWA\_SRS\_FR\_100 | The ‘user’ shall click on ‘Grid view’ button to display the photo gallery in a grid view. |
| TAWA\_SRS\_FR\_101 | The ‘user’ shall click on ‘List view’ button to display the photo gallery in a list view. |
| TAWA\_SRS\_FR\_102 | The top travel destinations shall be listed in a descending order based on the number of stars in the rating system. |
| TAWA\_SRS\_FR\_103 | When click on specific destination shall be redirect to the “destination details’ page. |

# Rating Travel

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_104 | The ‘Traveler’ shall be able to rate his travel. |
| TAWA\_SRS\_FR\_105 | The rating system shall be stars. |
| TAWA\_SRS\_FR\_106 | The Traveler shall be able to select number of stars to rate his travel. |

# Show Travel Destination Details

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_107 | The ‘Traveler’ shall be able to show the travel destination details when click on specific destination in the gallery. |
| TAWA\_SRS\_FR\_108 | The ‘Guest’ shall be able to show the travel destination details when click on specific destination in the gallery. |
| TAWA\_SRS\_FR\_109 | The travel destination details shall be contains list of ‘Available places’. |
| TAWA\_SRS\_FR\_110 | The travel destination details shall be contains list of ‘Available restaurant menus’. |
| TAWA\_SRS\_FR\_111 | The travel destination details shall be contains list of ‘Available airlines’ to be booked. |
| TAWA\_SRS\_FR\_112 | The travel destination details shall be contains the ‘rating’ of this destination. |
| TAWA\_SRS\_FR\_113 | The travel destination details shall be contains the ‘Book’ button. |
| TAWA\_SRS\_FR\_114 | The ‘Book’ button shall be clickable. |
| TAWA\_SRS\_FR\_115 | When click on the ‘Book’ button shall be redirect to the ‘booking’ page. |
| TAWA\_SRS\_FR\_116 | The travel destination details shall be contains the ‘feedback’ button. |
| TAWA\_SRS\_FR\_117 | The ‘feedback’ button shall be clickable. |
| TAWA\_SRS\_FR\_118 | When click on the ‘feedback’ button shall be redirect to the ‘feedback’ page. |

# Book Flight

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_119 | The ‘Traveler’ shall be able to book flight. |
| TAWA\_SRS\_FR\_120 | The ‘book flight’ form shall be contains ‘number of seats’. |
| TAWA\_SRS\_FR\_121 | The ‘book flight’ form shall be contains ‘Level of services’. |
| TAWA\_SRS\_FR\_122 | The ‘Level of services’ shall be ‘Economy’ , ‘Business’ or ‘Luxurious’. |
| TAWA\_SRS\_FR\_123 | The ‘book flight’ form shall be contains ‘different airlines’ dropdown list. |
| TAWA\_SRS\_FR\_124 | The ‘different airlines’ dropdown list shall be contains ‘Egypt Air’, ‘Fly Emirates’ , ‘Qatari Airways’ , ‘Turkish Airlines’, ‘Lufthansa’ and ‘Air France’. |
| TAWA\_SRS\_FR\_125 | The ‘book flight’ form shall be contains ‘payment method’ dropdown list. |
| TAWA\_SRS\_FR\_126 | The ‘payment method’ dropdown list shall contain two methods ‘cash’ and ‘debit card’. |
| TAWA\_SRS\_FR\_127 | In case choose ‘debit card’ method the ‘card number’ text field shall be appeared. |
| TAWA\_SRS\_FR\_128 | The ‘book flight’ form shall be contains ‘trip type’ radio button. |
| TAWA\_SRS\_FR\_129 | The ‘trip type’ radio button shall contain two types ‘One-way’ and ‘Round-trip’. |
| TAWA\_SRS\_FR\_130 | The ‘traveler’ shall be able to select only one ‘trip type’. |
| TAWA\_SRS\_FR\_131 | The ‘traveler’ shall be able to select only one ‘payment method’. |
| TAWA\_SRS\_FR\_132 | The ‘book flight’ form shall be contains ‘Book’ button. |
| TAWA\_SRS\_FR\_133 | The ‘Book’ button shall be clickable only after filling all data. |

# Send feedback

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_134 | The ‘Traveler’ shall be able to send feedback. |
| TAWA\_SRS\_FR\_135 | The ‘feedback’ page shall be contains ‘stars’ to put the rating. |
| TAWA\_SRS\_FR\_136 | The ‘feedback’ page shall be contains ‘comment’ section to share his experience. |
| TAWA\_SRS\_FR\_137 | The ‘feedback’ page shall be contains ‘share’ button. |
| TAWA\_SRS\_FR\_138 | The ‘share’ button shall be clickable. |
| TAWA\_SRS\_FR\_139 | The Traveler shall click on the ‘share’ button to his feedback sent. |

# View All Users

|  |  |
| --- | --- |
| **ID** | **System Requirements** |
| TAWA\_SRS\_FR\_140 | The ‘Admin’ shall be able to view all users. |
| TAWA\_SRS\_FR\_141 | Each user in the listing page shall have ‘Delete’ button. |
| TAWA\_SRS\_FR\_142 | The ‘Delete’ button shall be clickable. |
| TAWA\_SRS\_FR\_143 | The ‘Edit’ button shall be clickable. |

# 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** |
| TAWA\_SRS\_NFR\_001 | The time from clicking a button to getting a response from the application should take no longer than 5 seconds. |
| TAWA\_SRS\_NFR\_002 | The application should be able to make 1000 request. |