Software Requirements Specification

for

Travel Agency Website

ITI- QA and Software Testing Track – Intake 44

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Reason For Changes** | **Owner** |
| Version 1 | 22/3 | Initial fill | Yomna Sayed |
| Version 1.1 | 22/3 | Updated after an internal review | Yomna Sayed |
| Version 1.2 | 28/3 | Updated after an internal review | Yomna Sayed |
| Version 1.3 | 30/3 | Updated after Dr.Moahmed’s review | Yomna Sayed |
| Version 1.4 | 14/4 | Updated after an internal review | Yomna Sayed |
| Version 1.5 | 25/4 | Updated after an internal review | Huda Almuhr |

# **1 Introduction**

## **1.1 Purpose**

This Software Requirements Specifications (SRS) document is dedicated to developing a Travel Agency Website. The website is a central platform for travelers to explore, plan, and book holidays seamlessly. It aims to provide comprehensive information about various destinations, tours, and travel services to assist users in making informed decisions before embarking on their journeys.

## **1.2** **Terms and Definitions**

|  |  |
| --- | --- |
| Cust\_Req | Customer Requirements |
| Reg | Registration |
| Login | Login |
| Dest | Destination |
| Rtng\_Sys | Rating System |
| Usr\_ID | User ID |

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# **2 Overall Description**

## **2.1 Product Description**

The holiday will be set from this website, this application shall provide a window for the different places and tours a visitor can view before traveling to a specific country. This site should guide him/her from the start to the end of the journey.

## **2.2 Product Features**

1. The user can register log in and land on a photo gallery of the top travel destinations.
2. A platform for booking a flight should be provided so the user can easily explore different airlines and book his flight.
3. A rating system will be provided so the visitor can send his feedback and share his experience.

## **2.3 Operating Environment**

The operating environment for the Travel Agency Website is characterized by its web-based nature and is designed to be accessible on desktop computers, support for popular web browsers, integration with external software components and applications, and reliance on internet connectivity for seamless operation.

## **2.4 Design and Implementation Constraints**

1. **Web-based system / PC-based:** The application must be accessible via web browsers.
2. **Unique user IDs:** Each user account must have a unique User ID
3. **Admin features needed:** Administrative functionalities include managing user accounts (create and delete).

# **3 System Features**

## **3.1 Registration**

### **3.1.1 Priority:**

High. (req)Is the feature applied only to users?

### **3.1.2 Functional Requirements**

*SRS\_Reg\_1:*

The register form should contain a valid full name for the user, according to the following criteria:

- A full name should consist only of characters.

- Maximum length of 20 characters.

- One space should be present between the first name and last name.

*SRS\_Reg\_2:*

The register form should contain an email field that should contain a valid email format.

Example: name@gmail.com

*SRS\_Reg\_3:*

The register form should contain a valid password, according to the following criteria:

- At least 8 characters.

- At least 1 uppercase letter.

- At least 1 number.

*SRS\_Reg\_4:*

The register form should contain a confirm password field that should match the password field.

*SRS\_Reg\_5:*

The program should display a message containing “Successfully registered” and then redirect the user to the home page.

*SRS\_Reg\_6:*

The registration form contains an invalid name as mentioned in SRS\_Reg\_1*,* a valid email as mentioned in SRS\_Reg\_2, a valid password as mentioned in SRS\_Reg\_3, and a valid confirmed password as referred to in SRS\_Reg\_4, so an error message will appear containing” Please enter a valid username”.

*SRS\_Reg\_7:*

The registration form contains an invalid email as mentioned in SRS\_Reg\_2, a valid name as mentioned in SRS\_Reg\_1, a valid password as mentioned in SRS\_Reg\_3, and a valid confirmed password as mentioned in SRS\_Reg\_4, so an error message will appear containing” Please enter a valid email”.

*SRS\_Reg\_8:*

The registration form contains an invalid password as mentioned in SRS\_Reg\_3, a valid name as mentioned in SRS\_Reg\_1, a valid email as mentioned in SRS\_Reg\_2, and a valid confirmed password as mentioned in SRS\_Reg\_4, so an error message will appear containing” Please enter a valid password.”

*SRS\_Reg\_9:*

The registration form contains an invalid confirmed password as mentioned in SRS\_Reg\_4, a valid name as mentioned in SRS\_Reg\_1, a valid email as mentioned in SRS\_Reg\_2, and a valid password as mentioned in SRS\_Reg\_3, so there is an error message that will appear containing “Passwords do not match.”

*SRS\_Reg\_10:*

The user registered with an email already exists in the database, so there is an error message will appear containing “The user already exists.”

## **3.2 Login**

### **3.2.1 Priority:**

High.

### **3.2.2 Functional Requirements:** The login feature is applied to users and admins

*SRS\_Log\_1:*

When the user enters:

* An email that exists in the database,
* A password associated with that email
* The user should be redirected home.

*SRS\_Log\_2:*

When the user enters:

* An email that does not exist in the database,
* Or a valid email but the password does not match the one associated with that email
* An error message should appear containing "Please enter a valid input."

## **3.3 Home Features**

### 3.3.1 Priority:

High

### 3.3.2 Functional Requirements

SRS\_Home\_1:

When the user selects his flight from an auto-generated list, a message should appear “Your flight has been booked successfully”.

SRS\_Home\_2:

The user can navigate to the rating system by clicking on any flight.

## **3.4 Rating System**

### **3.4.1 Priority:**

Medium.

### **3.4.2 Functional Requirements**

*S*RS\_Rtng\_Fbk\_1:

- Valid Rating should be from 1 to 5 stars.

- Valid feedback should not be empty or space in the Text area.

SRS\_Rtng\_Fbk\_2:

-if the user enters a valid rating and valid feedback as per *S*RS\_Rtng\_Fbk\_1

A message Should appear “Thanks for your feedback"

SRS\_Rtng\_Fbk\_3:

- if the user enters an Invalid rating and or Invalid feedback as per *S*RS\_Rtng\_Fbk\_1

A message Should appear “Please, share your experience with us"

## **3.5 Admin Features**

### 3.5.1 Priority:

High

### **3.5.2 Functional Requirements**

*SRS\_Admn\_1:*

The admin can delete or add users to the database.

*SRS\_Admn\_2:*

The create user form should contain a valid full name for the user as mentioned in SRS\_Reg\_1

*SRS\_Admn\_3:*

The create user form should contain an email field that should contain a valid email format.

Example: [name@gmail.com](mailto:name@gmail.com)

*SRS\_Admn\_4:*

The create user form should contain a valid password as mentioned in SRS\_Reg\_3.

*SRS\_Admn\_5:*

The create user form should contain a confirm password field that should match the password field.

*SRS\_Admn\_6:*

The program should display a message containing “User added Successfully”

*SRS\_Admn\_7:*

The create user form contains an invalid name as mentioned in SRS\_Reg\_1*,* a valid email as mentioned in SRS\_Reg\_2, a valid password as mentioned in SRS\_Reg\_3, and a valid confirmed password as referred to in SRS\_Admn\_5, so an error message will appear containing” Please enter a valid username”.

*SRS\_Admn\_8:*

The create user form contains an invalid email as mentioned in SRS\_Reg\_2, a valid name as mentioned in SRS\_Reg\_1, a valid password as mentioned in SRS\_Reg\_3, and a valid confirmed password as mentioned in SRS\_Reg\_4, so an error message will appear containing” Please enter a valid email”.

*SRS\_Admn\_9:*

The create user form contains an invalid password as mentioned in SRS\_Reg\_3, a valid name as mentioned in SRS\_Reg\_1, a valid email as mentioned in SRS\_Reg\_2, and a valid confirmed password as mentioned in SRS\_Reg\_4, so an error message will appear containing” Please enter a valid password.”

*SRS\_Admn\_10:*

The create user form contains an invalid confirmed password as mentioned in SRS\_Reg\_4, a valid name as mentioned in SRS\_Reg\_1, a valid email as mentioned in SRS\_Reg\_2, and a valid password as mentioned in SRS\_Reg\_3, so there is an error message that will appear containing “Passwords do not match.”

*SRS\_Admn\_11:*

The user created with an email already exists in the database, so there is an error message will appear containing “The user already exists.”

*SRS\_Admn\_12:*

When deleting a user a message will appear containing “User deleted Successfully”

# **4 Appendix: Glossary**

To be added later throughout the workshop.