Travel Advisor Project

Software Requirements Specification

Version 1.0
Status: draft

Prepared by:

Nesma Bahgat
Maysoon Magdy
Esraa Salah
Asmaa Hamdy
Sara Sayed
Mahmoud Yasser

April 27, 2019

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Revision History

Author	Date	Reason For Changes	Version	Approved by	Date of Approval
Sara Sayed	April 27, 2019	Initial draft	1.0		

1. Introduction

1.1 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.

1.2 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.

1.3 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.

2. General Description

2.1 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.

2.2   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.

2.3   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.

3.   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	

Search for a User	Show Travel destination details	
Delete User	Explore Different Airlines	
Logout	Choose Payment method	
	Book Flight	
	Send Feedback	
	Logout	

Description of the modules

ID	Module Name	Applicable Roles	Description
FR-1	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
FR-2	Login	Admin Traveler	**Admin:** An admin can login using Username and password **Traveler:** A user can login using Username and password
FR-3	Add User	Admin	**Admin:** An admin can add multiple users on the system
FR-4	Search for a User	Admin	**Admin:** An admin can search for the user he want to delete him using his name.
FR-5	Delete User	Admin	**Admin:** An admin can delete users signed up on the system.
FR-6	Land on a photo gallery	Traveler Guest	**Traveler:** A signed up user can land on a photo gallery of the top travel destinations. **Guest:** A not signed up user can land on a photo gallery of the top travel destinations.
FR-7	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.

FR-8	Explore Different Airlines	Traveler	**Traveler:** A signed up user can explore different airlines and choose one of them to book his flight.
FR-9	Choose Payment Method	Traveler	**Traveler:** System provides payment methods the user can choose his payment method to book his flight.
FR-10	Book flight	Traveler	**Traveler:** A signed up user can book his flight.
FR-11	Send Feedback	Traveler	**Traveler:** A signed up user can send feedback and share his experience with our website.
FR-12	Logout	Admin Traveler	**Admin:** An admin can logout from the system. **Traveler:** A signed up user can logout from the system.

4. Interface Requirements

4.1 User Interfaces:

Overall the system should have two interfaces:
a. Administrators interface
b. Users interface

4.1.1 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).

5. 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.

ID	Security Requirements
NFR-3	Users log in, and it authenticates the user name and password, making sure the user has been signed up or not.
NFR-4	Passwords will be saved encrypted in the database in order to ensure the user's privacy.
NFR-5	The system will be protected against vulnerabilities such as SQL injection attacks.
NFR-6	System will have different types of actors and every actor has access constraints.

ID	Compatibility Requirements
NFR-7	This system will be compatible with any computer that has a web browser and internet connection.

ID	Reliability Requirements
NFR-8	The system shall be accessible at any time, with the exception of technology infrastructure failure.

ID	Maintainability Requirements
NFR-9	Easy to maintain the application if any change happened after deploy it.

ID	Portability Requirements
NFR-10	The application is Windows-based and should be compatible with other systems.
NFR-11	The end-user part is fully portable and any system using any web browser should be able to use the features of the application.

ID	Reusability Requirements
NFR-12	The system shall be well-documented in order for new administrators to change content as needed.
NFR-13	The system shall be designed in such a way that administrators may modify content without having to modify code.