

# Software Requirement Specification Document for Travel sales company

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SRS Version	Date	Reason for Change
1.0	12-april-2020	SRS First version's specifications are defined
1.1	30-may-2020	Updated functional requirements
1.2	4-june-2020	Updated functional and non-functional requirements
1.3	13-june-2020	Final

Table 1: Document version history

## 1 Introduction

### 1.1 Purpose of this document

The purpose of the document is to explain the system components and functionalities in order to clarify all the system details for all the audiences who are the development team and the client (Tourism company)

### 1.2 Scope

- The Client of this project is a Tourism company who will use the system for communication with travelling agencies, tourists and staff.
- The project timetable is about 4 weeks starts from 21 March 2020 and ends at 27 April 2020.
- The project is built by 4 junior full stack developers.

## 2 General Description

### 2.1 Product Functions

- Travelling agencies shall be able to request customized packages which includes trip duration, destination, hotel location and hotel rating.
- The tourism company shall receive the agencies requests and send their reply with confirmation or recommending edits.
- The agencies shall be able to view their requests status which will be confirmed, pending edits or pending payment.
- The tourism company shall be able to post available packages that can be reserved individually.
- Tourists shall be able to reserve in the posted packages by the company.
- Tourists shall be able to view their reservation status.

## 2.2 Similar System Information

The system will be a stand-alone web application as it will be used for internal communication between the tourism company staff and external communication with other stakeholders like travelling agencies and tourists.

## 2.3 User Characteristics

All users shall have average computer skills that qualify them to use different online platforms.

## 2.4 User Problem Statement

The main problem facing the tourism company is using email only in their communication with travelling agencies which is a huge hassle when there are many requests at the same time and miscommunication problems may occurs.

# 3 Functional Requirements

Title	Insert Hotel
ID	FR00
Description	This function is for the admin to insert a new hotel into the database
User	Admin
Input	Hotel's location, city and rating
Action	Inserts a new hotel in the database
Output	(Record inserted successfully) message if successful or error message
Pre-condition	form to be filled
Post-condition	creates new hotel in the database
Dependencies	-

Title	Edit Hotel
ID	FR01
Description	This function is for the admin to edit an existing hotel in the database
User	Admin
Input	Hotel's location, city and rating
Action	edit an existing hotel in the database
Output	(Record inserted successfully) message if successful or error message
Pre-condition	form to be filled and hotel to exist
Post-condition	hotel edited in the database
Dependencies	FR00

Title	Delete Hotel
ID	FR02
Description	This function is for the admin to delete an existing hotel from the database
User	Admin
Input	Hotel's ID
Action	delete an existing hotel from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	hotel to exist
Post-condition	hotel deleted in the database
Dependencies	FR00

Title	Insert Department
ID	FR03
Description	This function is for the admin to insert a new Department into the database
User	Admin
Input	Department's name
Action	Inserts a new Department in the database
Output	(Record inserted successfully) message if successful or error message
Pre-condition	form to be filled
Post-condition	creates new Department in the database
Dependencies	-

Title	Delete Department
ID	FR04
Description	This function is for the admin to delete an existing department from the database
User	Admin
Input	department's ID
Action	delete an existing department from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	department to exist
Post-condition	department deleted in the database
Dependencies	FR03

Title	Insert Staff
ID	FR05
Description	This function is for the admin to add a new Staff member
User	Admin
Input	Staff's name, email, password, mobile, department's id
Action	Inserts a new Staff in the database
Output	(Record inserted successfully) message if successful or error message
Pre-condition	form to be filled
Post-condition	creates new Staff in the database
Dependencies	-

Title	Delete Staff
ID	FR06
Description	This function is for the admin to delete an existing Staff
User	Admin
Input	Staff's ID
Action	delete an existing Staff member from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Staff member to exist
Post-condition	Staff deleted in the database
Dependencies	FR05

Title	Delete Agency
ID	FR07
Description	This function is for the admin to delete an existing Agency
User	Admin
Input	Agency's ID
Action	delete an existing Agency from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Agency to exist
Post-condition	Agency deleted in the database
Dependencies	FR23

Title	Delete Tourist
ID	FR08
Description	This function is for the admin to delete an existing Tourist
User	Admin
Input	Tourist's ID
Action	delete an existing Tourist from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Tourist to exist
Post-condition	Tourist deleted in the database
Dependencies	FR23

Title	Delete Request
ID	FR09
Description	This function is for the admin to delete an existing Request
User	Admin
Input	Request's ID
Action	delete an existing Request from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Request to exist
Post-condition	Request deleted in the database
Dependencies	FR13

Title	Delete Package
ID	FR10
Description	This function is for the admin to delete an existing Package
User	Admin
Input	Package's ID
Action	delete an existing Package from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Package to exist
Post-condition	Package deleted in the database
Dependencies	FR17

Title	Delete Reservation
ID	FR11
Description	This function is for the admin to delete an existing Reservation
User	Admin
Input	Reservation's ID
Action	delete an existing Reservation from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Reservation to exist
Post-condition	Reservation deleted in the database
Dependencies	FR19

Title	Edit Agency
ID	FR12
Description	This function is for the Agency to edit their profile
User	Agency
Input	Reservation's email, password, mobile, address
Action	edit an existing Agency from the database
Output	(Record Updated successfully) message if successful or error message
Pre-condition	Agency to exist and successful login
Post-condition	Agency Updated in the database
Dependencies	FR23, FR24

Title	Insert Request
ID	FR13
Description	This function is for the Agency to request a created package
User	Agency
Input	Package's name, check in date, check out date, hotel id, program, number of tourists
Action	insert a new package request into the database
Output	(Record inserted successfully) message if successful or error message
Pre-condition	Agency to exist and successful login
Post-condition	request in the database
Dependencies	FR23, FR24

Title	Delete Request
ID	FR14
Description	This function is for the Agency to delete an existing Package Request
User	Agency
Input	Request's ID
Action	delete an existing Request from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Request to exist and successful login
Post-condition	Request deleted in the database
Dependencies	FR13,FR24

Title	Edit Request
ID	FR15
Description	This function is for the Staff to edit an existing Package Request's status from (pending co
User	Staff
Input	Request's ID, Package's price
Action	edit an existing Request from the database
Output	(Record updated successfully) message if successful or error message
Pre-condition	Request to exist and successful login
Post-condition	Request updated in the database
Dependencies	FR13, FR24

Title	Delete Request
ID	FR16
Description	This function is for the Staff to delete an existing Package Request incase of rejection
User	Staff
Input	Request's ID
Action	delete an existing Request from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Request to exist and successful login
Post-condition	Request deleted in the database
Dependencies	FR13, FR24



Title	Insert Package
ID	FR17
Description	This function is for the Staff to add a new package to the system
User	Staff
Input	Package's name, check in date, check out date, hotel id, program, price
Action	insert a new package into the database
Output	(Record inserted successfully) message if successful or error message
Pre-condition	Staff to exist and successful login
Post-condition	Package inserted in the database
Dependencies	FR05, FR24

Title	Delete Reservation
ID	FR18
Description	This function is for the Staff to delete an existing Reservation
User	Staff
Input	Reservation's ID
Action	delete an existing Reservation from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Reservation to exist
Post-condition	Reservation deleted in the database
Dependencies	FR19, FR24

Title	Insert Reservation
ID	FR19
Description	This function is for the Tourist to reserve a place in an existing package
User	Tourist
Input	Package's ID
Action	insert a new Reservation into the database
Output	(Record inserted successfully) message if successful or error message
Pre-condition	Package to exist and successful login
Post-condition	Package inserted in the database
Dependencies	FR17, FR24

Title	Delete Reservation
ID	FR20
Description	This function is for the Tourist to delete an existing Reservation
User	Tourist
Input	Reservation's ID
Action	delete an existing Reservation from the database
Output	(Record deleted successfully) message if successful or error message
Pre-condition	Reservation to exist and successful login
Post-condition	Reservation deleted in the database
Dependencies	FR19, FR24

Title	Edit Profile
ID	FR21
Description	This function is for the Tourist to edit their profile
User	Tourist
Input	Tourist's email, password, mobile
Action	edit an existing Tourist from the database
Output	(Record Updated successfully) message if successful or error message
Pre-condition	Tourist to exist and successful login
Post-condition	Tourist Updated in the database
Dependencies	FR23, FR24

Title	Search
ID	FR22
Description	This function is for the Tourist to search for specific packages according to location and price
User	-
Input	Location and price range
Action	checks for packages location and price
Output	displays packages that apply the conditions
Pre-condition	checks for existing packages
Post-condition	-
Dependencies	-

Title	SignUp
ID	FR23
Description	This function is for Tourists or Agencies to create their account
User	Tourist, Agency
Input	name, email, password, mobile, nationality, passport number (tourist) name, email, password (agency)
Action	checks if email exists then inserts a new user (Tourist or Agency)
Output	-
Pre-condition	email to be unique
Post-condition	user created and inserted in the database
Dependencies	-

Title	Login
ID	FR24
Description	This function is for all user types to log into their accounts
User	All
Input	email, password
Action	checks if email and password match credentials in the database
Output	-
Pre-condition	login form to be filled
Post-condition	redirect users to their pages according to the user type
Dependencies	-

## 4 Interface Requirements

### 4.1 User Interfaces

Our system is user-friendly. Mainly deals with 4 user types; Clients, Agencies, Departments, Admin. clients: they will be able to view and reserve the available packages 1 and see their information by pressing the "read more" button. Agencies: they will be able to request customized packages 2 by filling the form with the information they desire.

#### 4.1.1 GUI



Figure 1: Package

Customized Package

Agency Name

Agency Email

Agency Phone Number

Country

Location

Hotel Location

From : DD/MM/YYYY

To : DD/MM/YYYY

Number of Adults

Number of Children

Notes

Submit

Figure 2: Customized Package

## 5 Design Constraints

- The system shall be responsive to work on computers and mobile browsers.
- The system data shall be processed in the server side for to maintain security.

## 6 Other non-functional attributes

### 6.1 Portability

The system shall be a web application that run on computer and mobile browsers.

### 6.2 Performance

Each page shall be loaded within 20 milliseconds.

### 6.3 Usability

System shall be easy to use for all type of users from different backgrounds.

## 7 Class Diagram

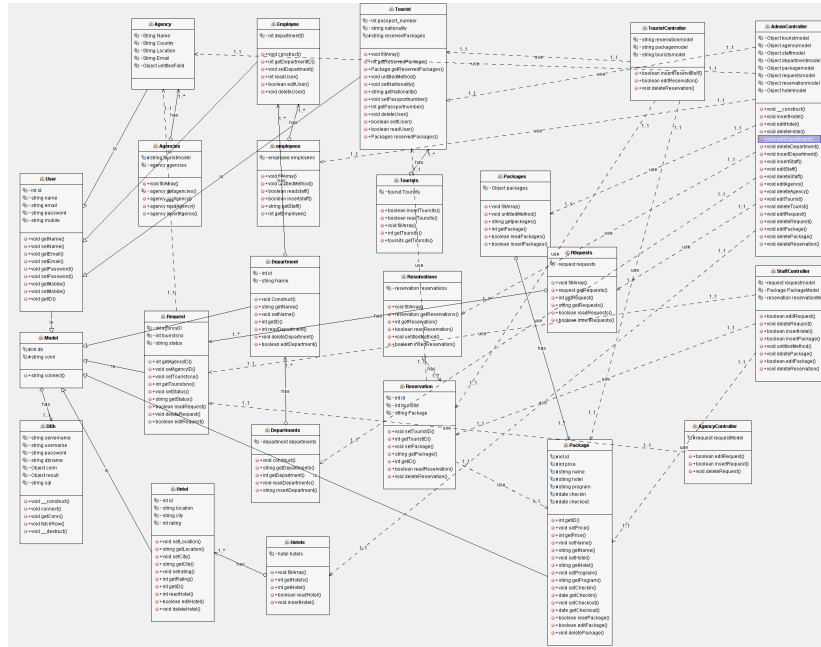


Figure 3: Inheritance Relations

## 8 Operational Scenarios

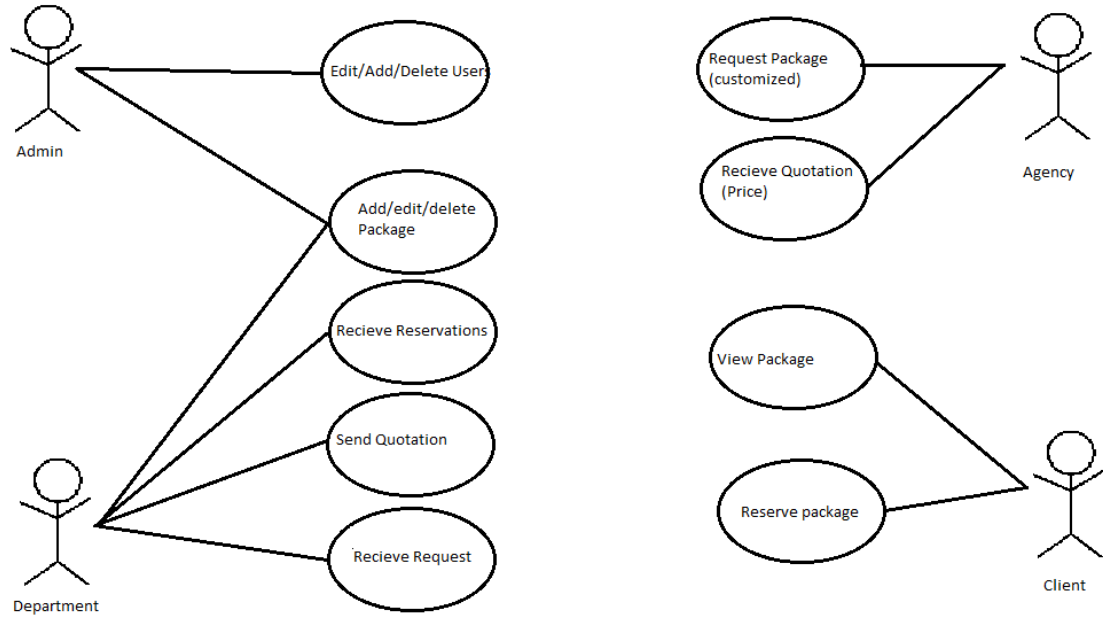


Figure 4: Operational Scenarios

### 8.1 Client Reservation

**Goal:** Client reserves their place in a package.

**Description:** The Client views the available packages then chooses the package that suits them. The department then receives their reservation and send them a confirmation.

**Precondition:** the Client must have an internet connection.

**Success Condition:** The Client reserves their place in a package successfully.

**Fail Condition:** The Client fails to reserves their place in a package.

### 8.2 Agency Reservation

**Goal:** The Agency request a package/customized package.

**Description:** The Agency should be able to request a package/customized package, then receives the quotation for that package.

**Precondition:** The Agency should have an account on the system.

**Success condition:** The agency requests the package successfully.

**Fail condition:** The agency fails to request the package.

### 8.3 Department

**Goal:** handling requests and reservations.

**Description:** The department shall receive requests and reservations from both clients and agencies and send quotations (for agencies) and confirmations (agencies and clients). the department should be able to add new packages ,delete packages and edit packages too.

**precondition:** the department should receive requests/reservations.

**Success condition:** the department receives requests/reservations successfully. and send them quotations (for agencies) and confirmations(agencies and clients).

**Fail condition** the department fails to receive the reservations.

## 9 Project Plan

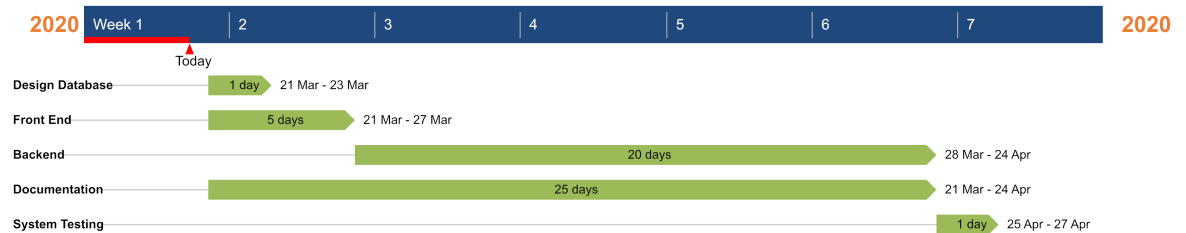


Figure 5: Chart

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