



Alliance with FPT Education

FPT ACADEMY INTERNATIONAL  
FPT – APTECH COMPUTER EDUCATION

ACE-HCMC-2-FPT

590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam

# travelola

## Project Report Semester 4

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<b>Batch</b>	T1.2008.M0	
<b>Group</b>	4	
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## ACKNOWLEDGEMENT

Our group would like to devote this chapter to express our appreciation to all those who always offered us valuable assistance during in carrying out this project.

First and foremost, we owe a debt of gratitude to our dedicated instructor, Mr. Ngo Phuoc Nguyen, whose suggestions and encouragement helped us to overcome not only technological challenges but also psychological tension. Without him, our work could not have been completed successfully.

Secondly, we highly appreciate the project Team at the Head Office which has provided us a golden opportunity to apply what we learned into practice. We are certain that the experiences we gained from this project will facilitate our future career greatly. Besides, we would also like to express my gratitude to all the staff members of my center for not only providing me with the opportunity to work with them on this project, but also for their support and encouragement throughout the process.

Finally, we wish to say a personal thank you to all our dear classmates and team members who are always willing to support us openly and enthusiastically.

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# REVIEW 1

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# INTRODUCTION

During the period of information technology and computer development people can search and find anything at home via internet connection and use online services. Therefore, we are developing a service “Book any flight, any hotel online with more conveniences” named Travel Booking App.

Travel Booking App is a group of people who wants to develop an online site where the users who are too busy to think of how they can purchase ticket online for traveling and this is also a marketing channel for hotels and airlines who will supply products for sale. It will provide users and suppliers the following features.

## For Travel Booking App's customers:

- Provide an interactive GUI, on the World Wide Web for the user.
- User can sign up, login, logout, change password, reset password on the website.
- User can search any flight, hotel and the web will show them the flight time available and the hotel room available they refer before they book.
- User can review the flight and hotel room that they booked and used.
- User can purchasing online via payment online method as Pay-pal, stripe...
- User receive ticket with QR Scan code.
- User can see booking history.
- User can send feedback to admin or any question they have about Website or about their booking.

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- User can see recommendation information.

### **For Travel Booking App's suppliers:**

- Airlines Suppliers can create, update, remove flights.
- Hotel Suppliers can create, update, remove rooms.
- Supplies can sign up, login, logout, change password, reset password on the website.
- Suppliers can send mail to any feedback or question from customers.
- Suppliers reply review on website.
- Suppliers can check total booking, total purchased money from customers.

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## PROBLEM DEFINITION

After reading the project specifications of Travel Booking App, our team had discussed about what should to be done to fulfil their requirements properly and we came to conclusion that in order to achieve the best result, we should deal with following queries:

### **From the view point of users**

1. How can customer book the flight?
2. How can customer book the hotel's room?
3. How can customer find the flight and room they want?
4. How does customer keep track their history booking that they booked?
5. How can customers review the flight and room they used?
6. How can customers use login, signup, and logout?
7. How can customers make a payment and receive ticket?
8. How can customers send feedback to our website?

### **From the view point of the Supplier**

1. How can airline suppliers create, update, delete flight?
2. How can hotel suppliers create, update, delete room?
3. How can suppliers see bookings history? And total payments?
4. How can suppliers use login, and logout?
5. How can suppliers send e-mail directly to customers in order to answer questions and send ticket confirmation?
6. How can suppliers receive payment?

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## **From the view point of the Administrator**

1. Will the systems be able to check the validity of users' information before saving into the database?
2. How can system generate QR Scan code for ticket?
3. How can Admin build recommendation system as if customers choose flight's destination, it will suggest hotels at that destination?
4. How can Admin receive payment from customer and send % payment to suppliers?
5. How can Admin check feedback and reply feedback to customers?
6. How can Admin reply review from customers?
7. How can Admin check total bookings made from customers?

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# CUSTOMER REQUIREMENT SPECIFICATION

**Client:** travelola

**Business/Project Objective:** The project is to design a service online for booking flights/hotels and recommend hotels/flights on same destination.

**Input to the system:**

**Travel Booking App's admin need to provide:**

- ❖ Information required in order to create account to access to the admin system.

**Travel Booking App's website suppliers need to provide:**

- ❖ Company information to create supplier account.
- ❖ Information about hotel or flight going to be shown on website.

**Travel Booking App's website customers need to provide:**

- ❖ Personal information to create an account.

**Output from the system:**

**Travel Booking App's admin will be able to:**

- ❖ Login/Logout to the admin system.
- ❖ Manage (view, search, update, and delete) hotel's rooms.

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- ❖ Manage (view, search, active/ deactivate) registered customers.
- ❖ Manage (view, search, active/ deactivate) suppliers.
- ❖ Manage (view, search, reply, delete) reviews.
- ❖ Manage (view, search, reply, delete) feedbacks.

**Travel Booking App's suppliers will be able to:**

- ❖ Login, Logout, Change password, Reset password.
- ❖ View, edit their information, room's images.
- ❖ For hotels: Manage (view, search, update, and delete) hotel's rooms.
- ❖ Manage (view, reply) about flight/hotel's room reviews.
- ❖ View their rating.
- ❖ View total bookings from customers.
- ❖ Manage (view, send email) reply feedback from customer.

**Travel Booking App's customers will be able to:**

- ❖ If customers are guests:
  - Search flight/hotel, destination or date they want to book.
  - View flight or hotel information.
  - View review, rating about airline and hotel.
  - Can sign up to become member.
- ❖ If customers are registered members:
  - Login, Logout, change Password, reset Password.
  - Book hotel.

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- View booking history.
- Search hotel by date, destination.
- Review hotel and make rating.
- Change personal information.
- Make a payment online.
- Receive booking confirmation and QR Scan code ticket.
- View Recommendation product that system suggest base on destination, date available or high rating.

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## SCOPE OF WORK

The application should perform the following functions:

### **Login:**

- There are 3 types of account in the application (“admin”, “supplier” and “user”). Admin will login as “admin”, Supplier will login as “supplier” and Customer will login as “user”.
- Three accounts must be registered and login for using the functionality of the application.
- For “admin”: can view/update customer profile, supplier information.
- For “supplier”: can update their information, update images, change their password, reset password.
- For “user”: can update profile, change password, reset password, register new account.

### **Booking flight/hotel’s room:**

- When users choose a flight/hotel’s room available, website process them to payment checkout view for purchasing.

### **Review flight or hotel:**

- When user search for a flight or hotel, they can see reviews and rating about that flight or hotel.
- Users can only review when they joined a flight from a airline before or stay at the hotel before, too.

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### **Database**

- The information about flights, hotels, bookings, reviews will be stored in the database, and users can view on the Web or Mobile app

### **Security:**

- The user password will be encrypted and stored in the database.

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# SYSTEM REQUIREMENT SPECIFICATION

## Hardware

### Web Server

Processor	Intel Core i5 or higher.
Memory	4 GB RAM or greater.
Modem/ADSL	Connecting to internet 24/24

### Client

Processor	Intel Core i3 or higher.
Memory	2 GB RAM or greater.
Monitor	Super VGA (1024x768) or higher resolution
Modem/ADSL	Connecting to internet

## Software:

### Web Server

Operation System	Windows 7 or higher
Browser	Chrome version 35 or Microsoft Edge.
Database	SQL Server
Software	Internet Information Service
	JAVA
	Spring Boot

### Client

Operation System	Windows 7 or higher
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Browser	Chrome version 35 or Microsoft Edge.
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## 2.1 Development software

- Microsoft Windows 10
- SQL Server
- Google Chrome or Microsoft Edge
- Git
- Visual Studio Code
- Postman

## 2.2 Technology

- Angular
- Javascript
- jQuery
- Flutter
- Firebase
- Bootstrap
- Java Spring boot, Spring Web.
- JWT security.

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## TASK SHEET REVIEW 1

Project Ref. No.: TRAVEL To VN		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Introduction and Problem Definition	travelola	Nguyen Ngoc Hung	13/06/2022	1	- Nguyen Ngoc Hung	100%
2	Customer Requirement Specification (CRS)			13/06/2022	1	- Phung Hoai Bao	100%
3	Functional Requirement			13/06/2022	1	- Nguyen The Long	100%
4	System Requirement Specification			13/06/2022	1	- Pham Van Nguyen	100%

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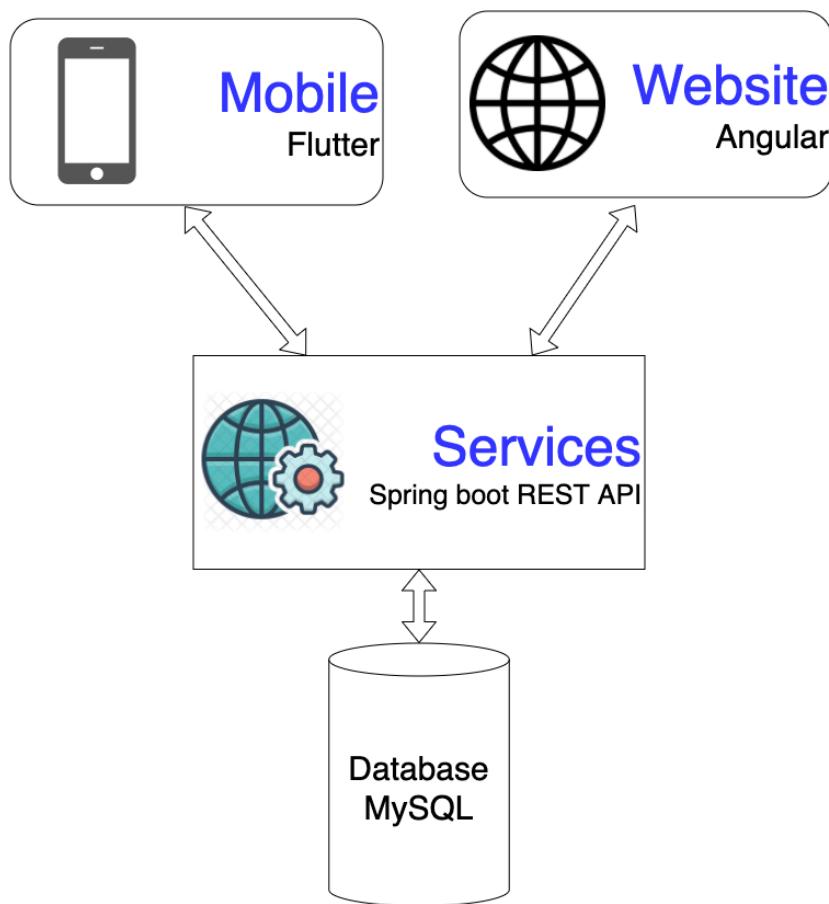
# REVIEW 2

	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
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<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
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## DATA FLOW DIAGRAM

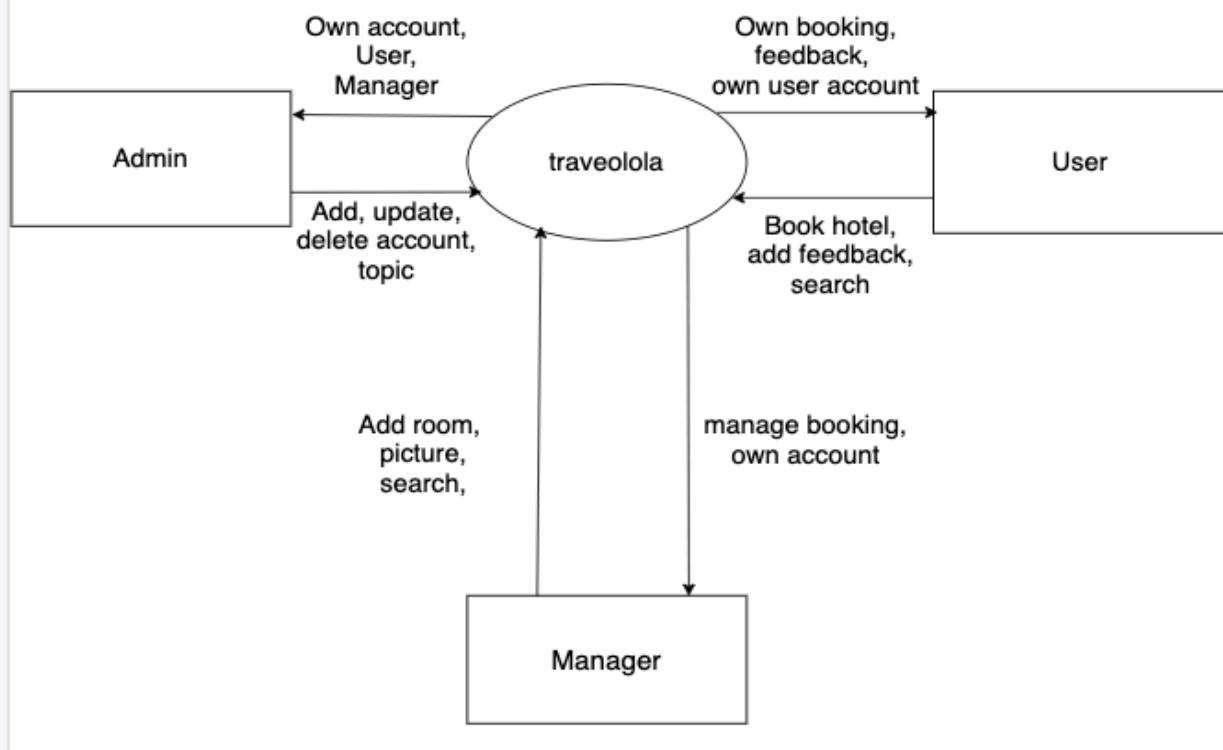
Architecture and Design of the System:



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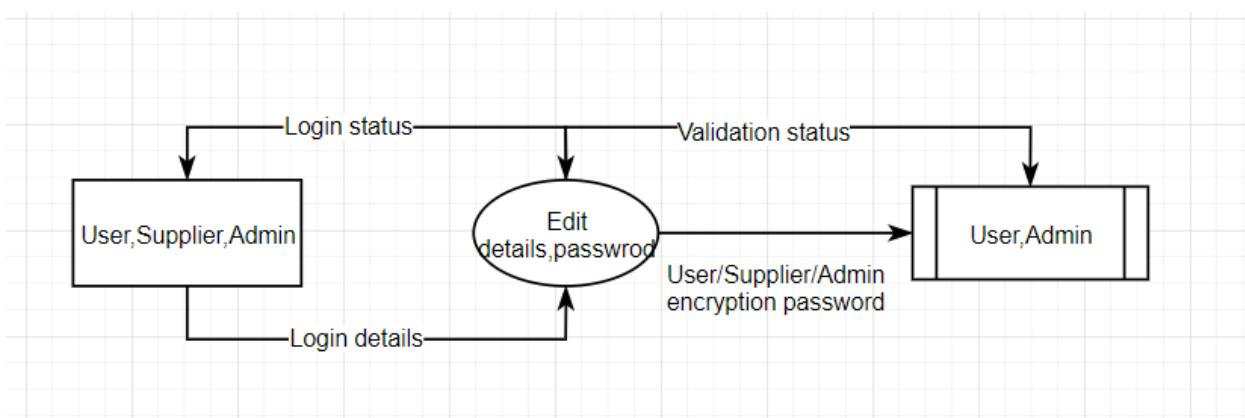
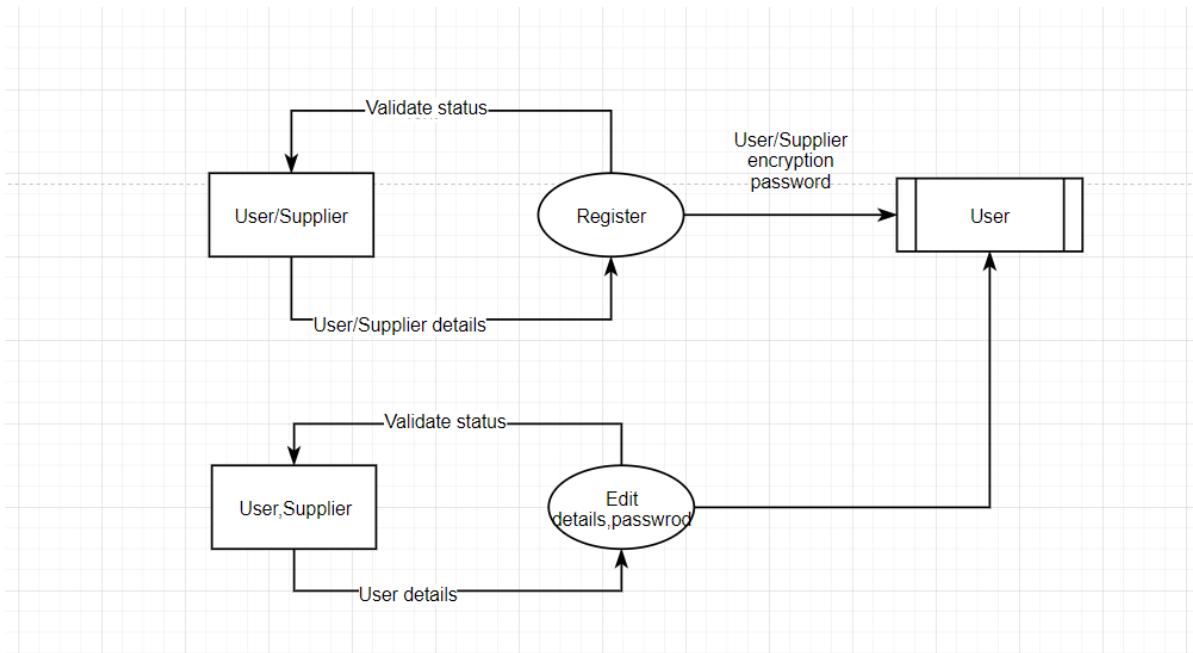
### I. Context Level Diagram:



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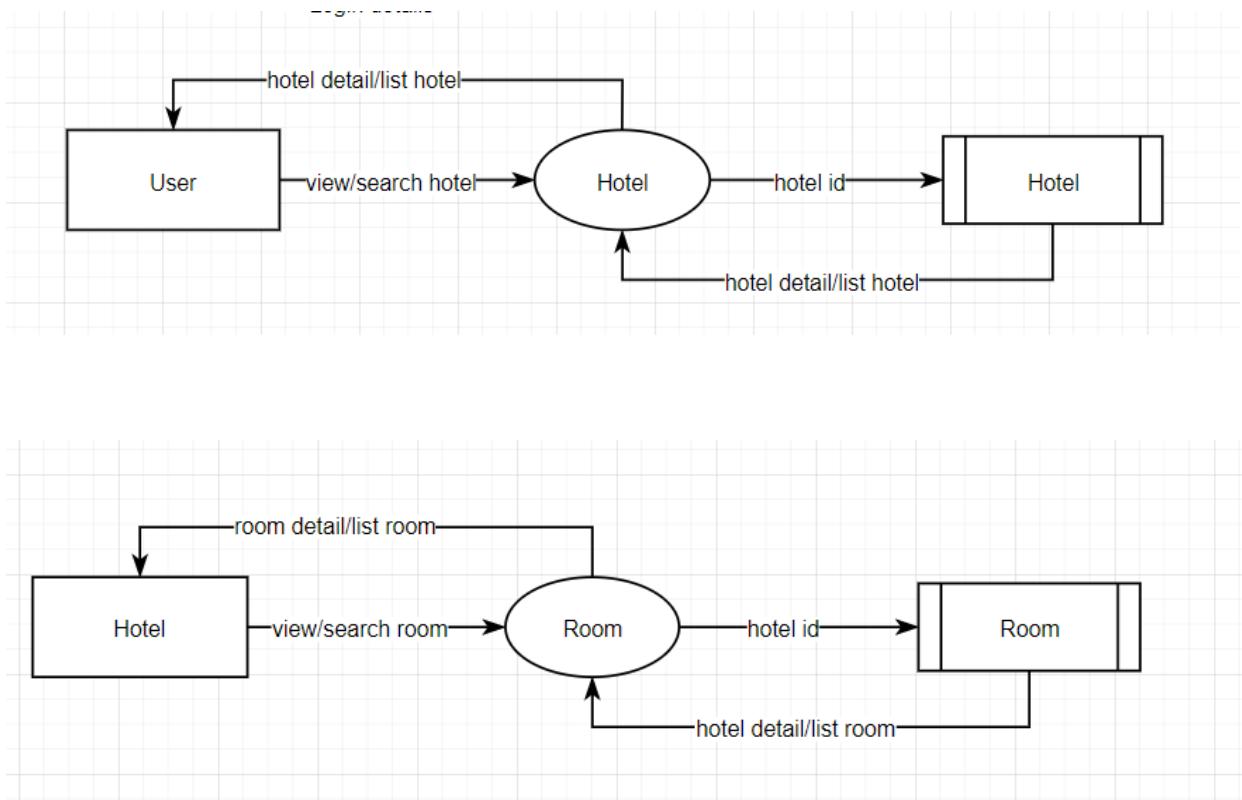
<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
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## II. First Level DFD:



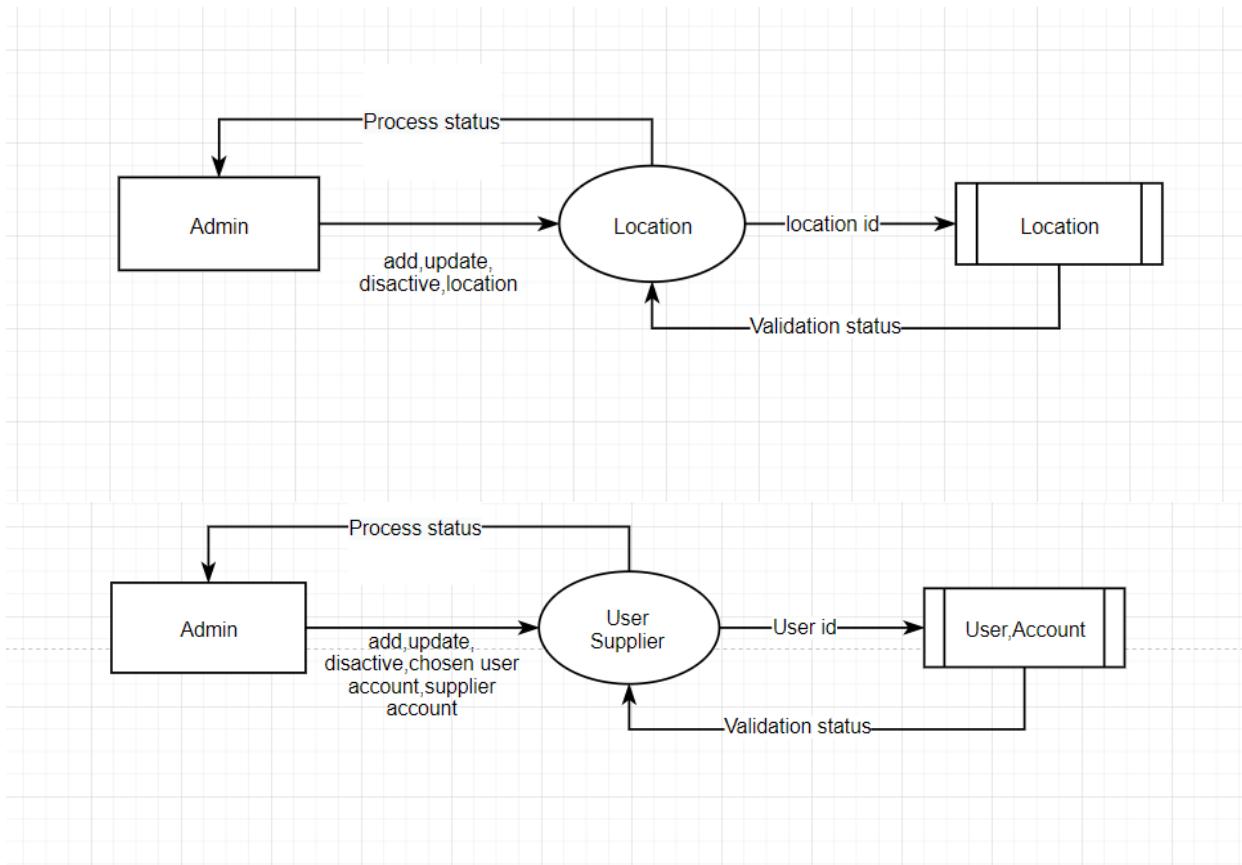
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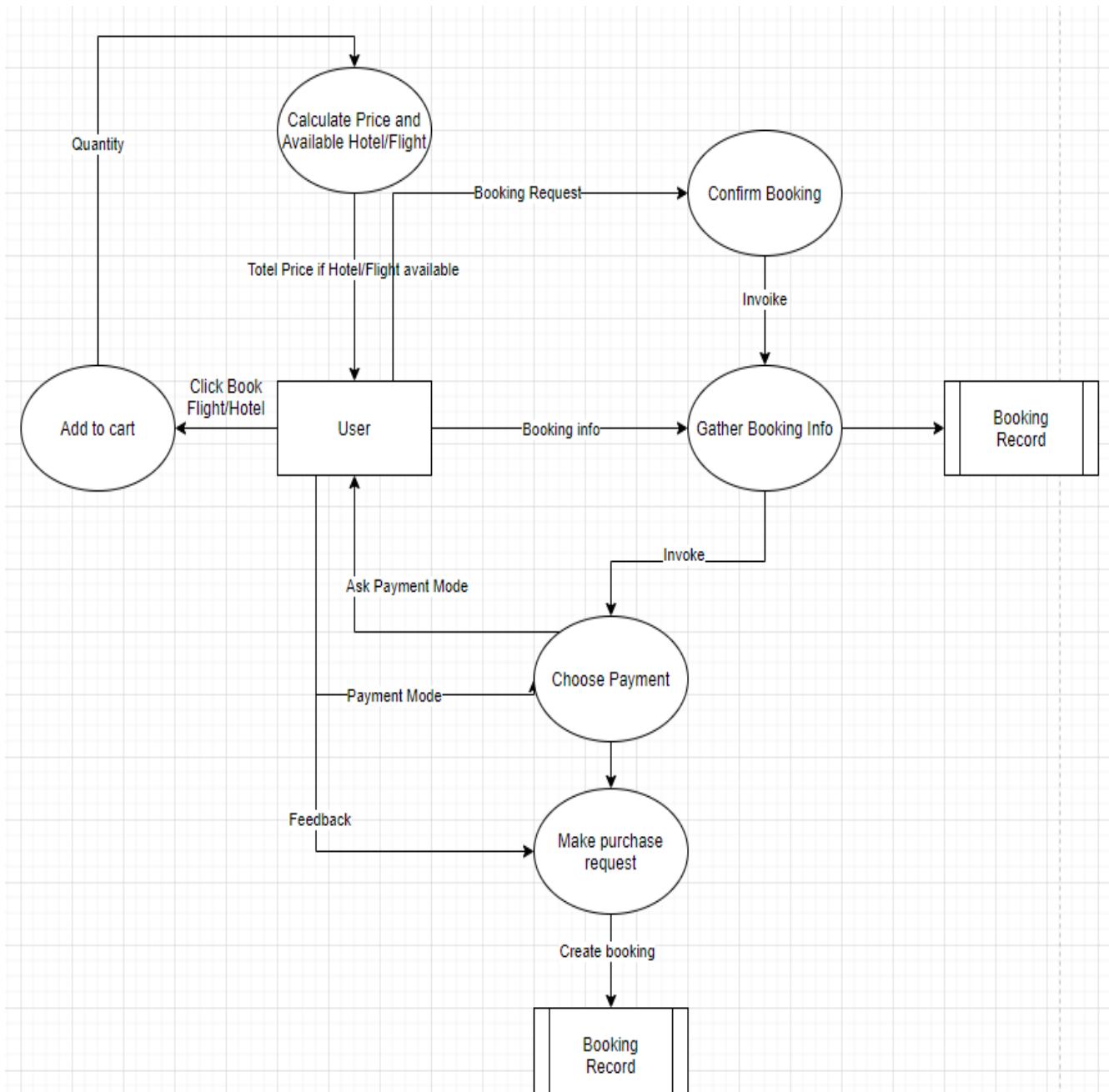
<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
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### III. DFD for Booking Cycle

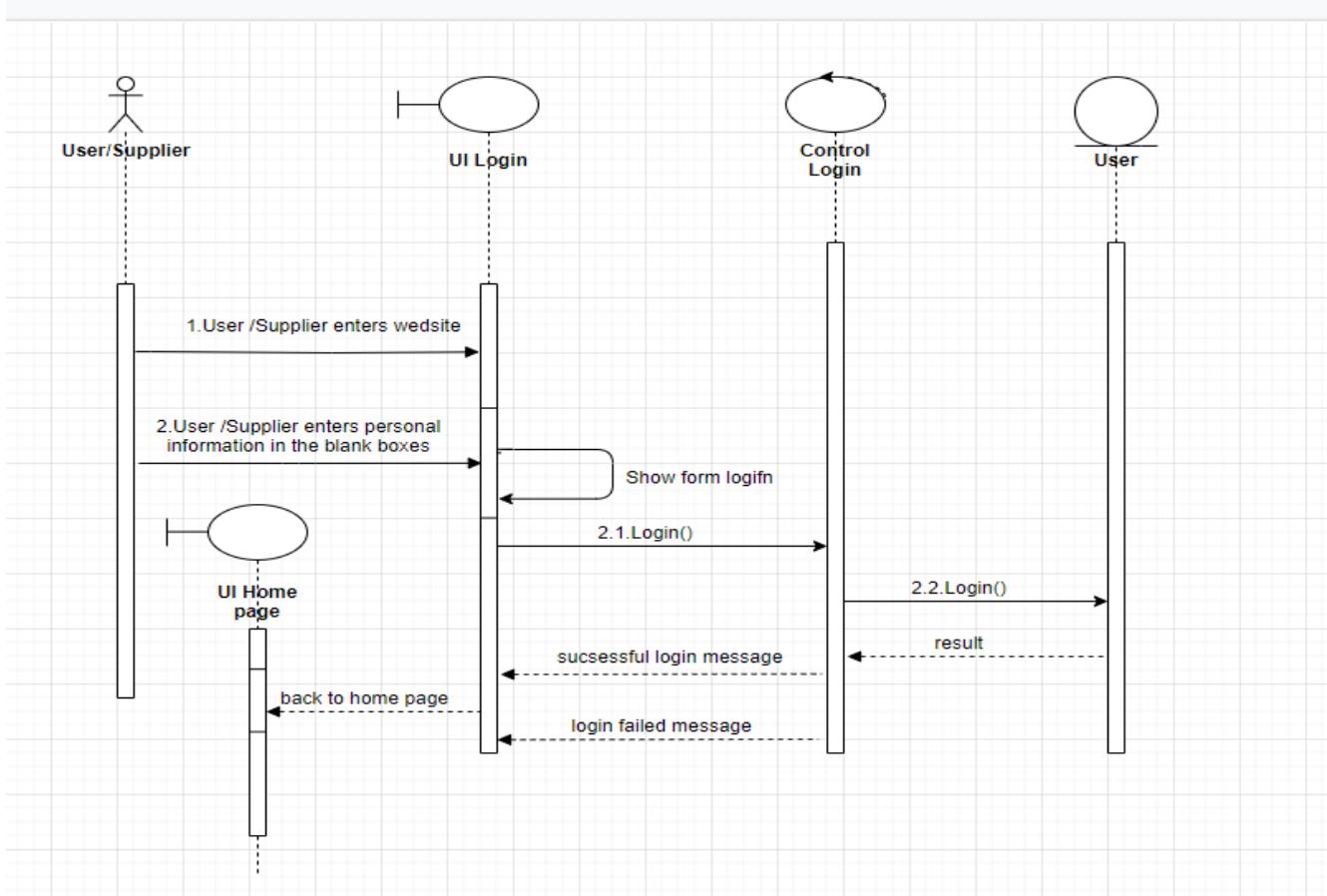


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## Sequence diagram

### I. Login Function: (Users / Supplier)



<b>Use Case Name</b>	Login – login button
<b>Actors</b>	User and Supplier
<b>Description</b>	When the user clicks the log button, Sparrow will open a popup page asking the user to enter login information
<b>Requirements</b>	Username and Password can't be blank.

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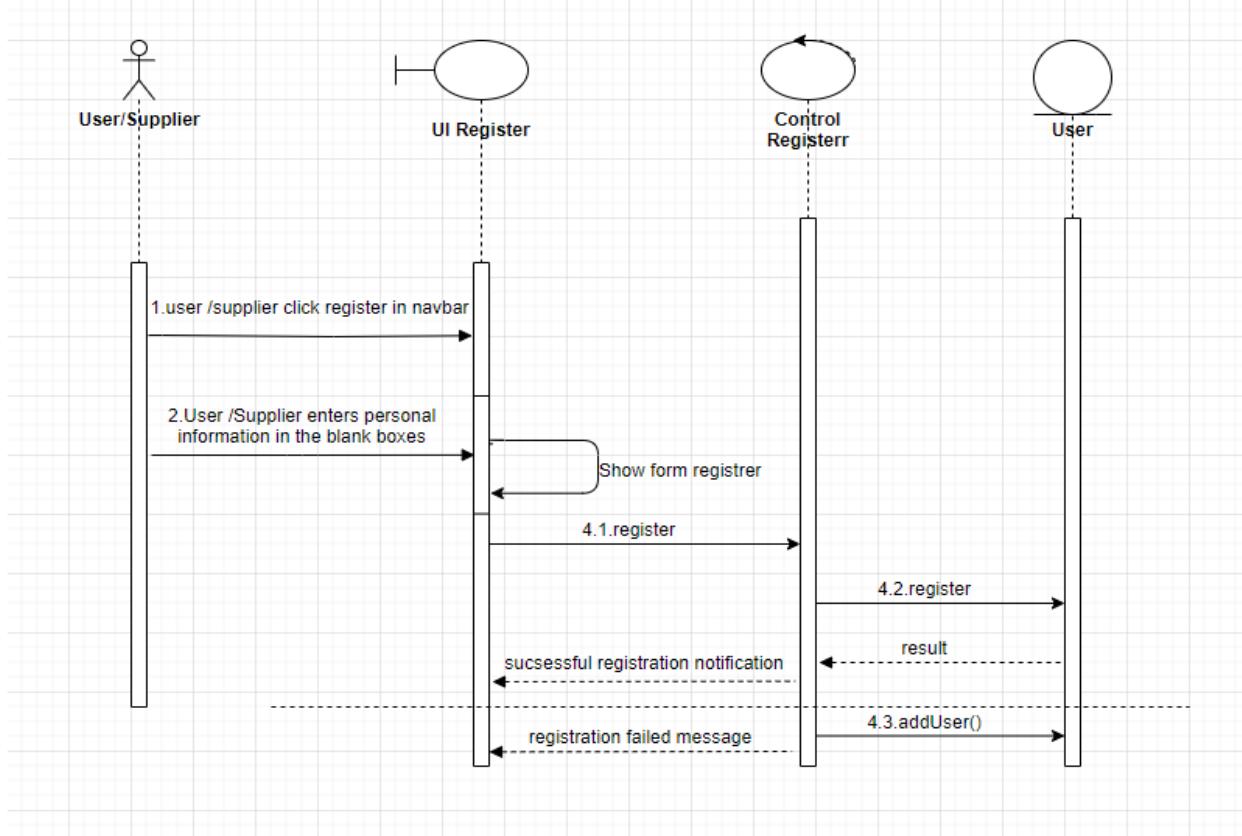
<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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	<b>User and Supplier Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. User and Supplier input user name and password	2. System check the input string [Exception 1] 3. The system will check if, user exists or not and return the result 4.If yes, the screen will show login success, otherwise it will report invalid user.
<b>Exception</b>	1. User or Supplier left the input Username empty	1. An error message will be display: “Username can't be blank”
	2. User or Supplier left the input Password empty	1. An error message will be display: “Password can't be blank”

	<b>Prepared by: All Members</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
	<b>Project Group No: 04</b>	
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 25</b>

## II. Signup Function for customers: (User / Supplier)



	<b>Prepared by: All Members</b> <b>Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

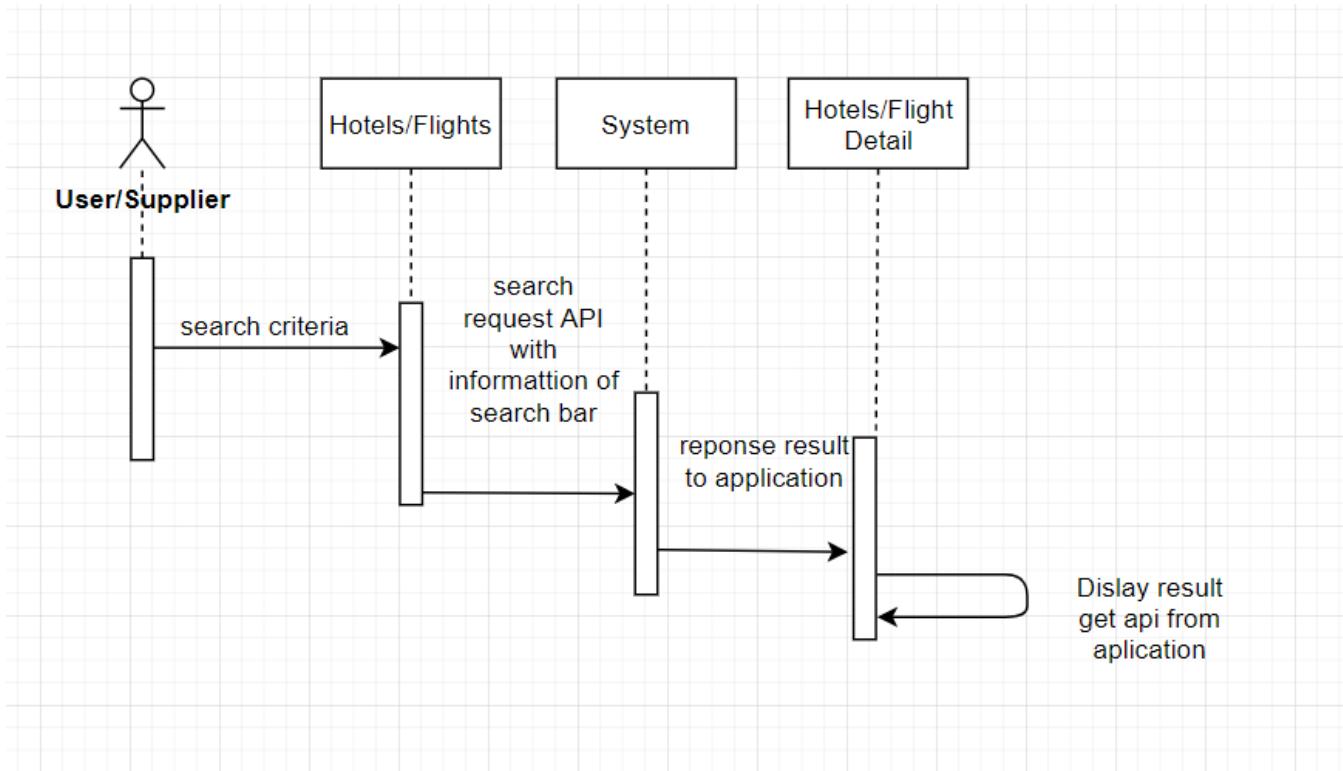
<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 26</b>

<b>Use Case Name</b>	Register – Register button	
<b>Actors</b>	User and Supplier	
<b>Description</b>	When the user clicks register, it goes to the register page for the user to register, input register information	
<b>Requirements</b>	first name, last name, user name, email, password, confirm password can't be blank.	
	<b>User and Supplier Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. User and Supplier input first name, last name, user name, email, password, confirm password	2. System check the input string [Exception 1] 3. The system will check if, user exists or not and return the result 4. If yes, the screen will show register success, otherwise it will report invalid user.
<b>Exception</b>	1. User or Supplier left the input Username empty 2. User or Supplier left the input Password empty	1. An error message will be display: "Username can't be blank" 1. An error message will be display: "Password can't be blank"

	<b>Prepared by: All Members</b> <b>Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 27</b>

### III. Searching data function:



<b>Use Case Name</b>	Search – Search button	
<b>Actors</b>	User and Supplier	
<b>Description</b>	When search button is clicked, search result page will be displayed with result list of products and their information	
<b>Requirements</b>	Search string can't be blank.	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Actor input search string and input after that click on search button.	2. System check the search string [Exception 1] 3. System create an empty list to contain search result. 4. Search in Products table to find products which have names contain the search string (ignore case) and add them to result list.

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

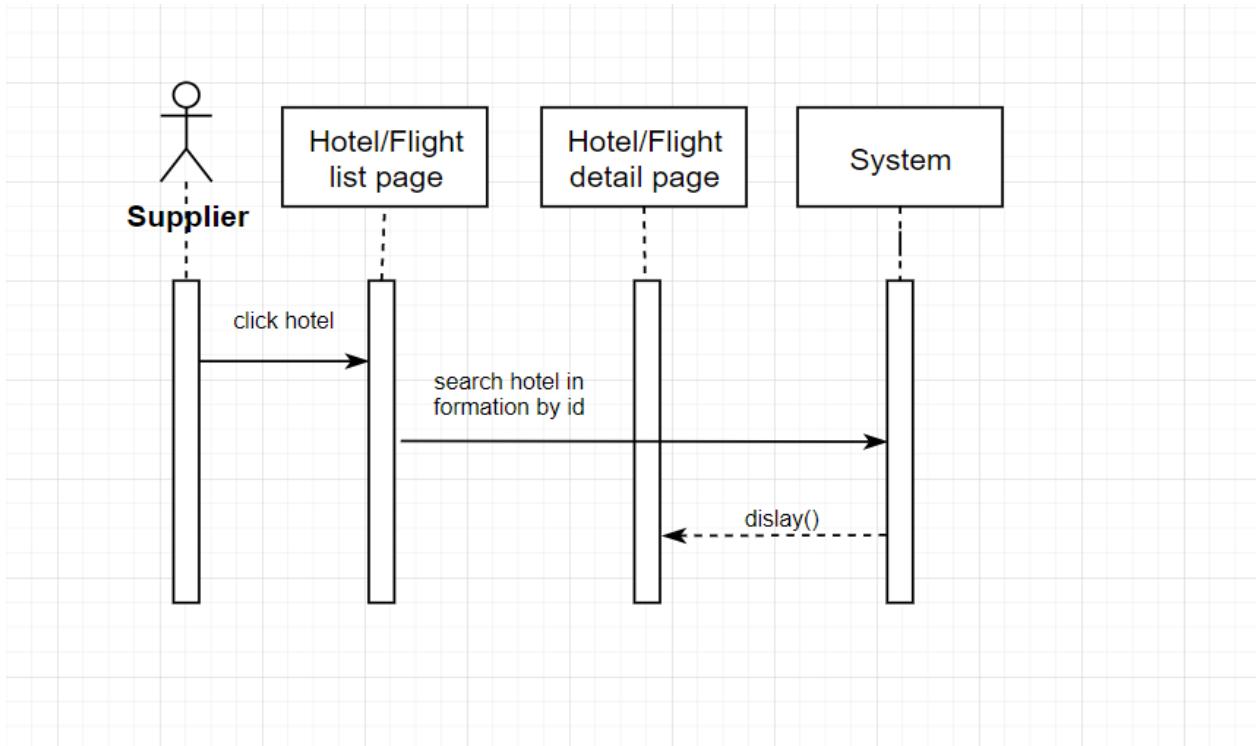
<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 28</b>

		5. Display the result list in the search result page.
<b>Exception</b>	1. Actor left the search string empty	1. An error message will be display: “Search string can't be empty”

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 29</b>

#### IV. View data function:

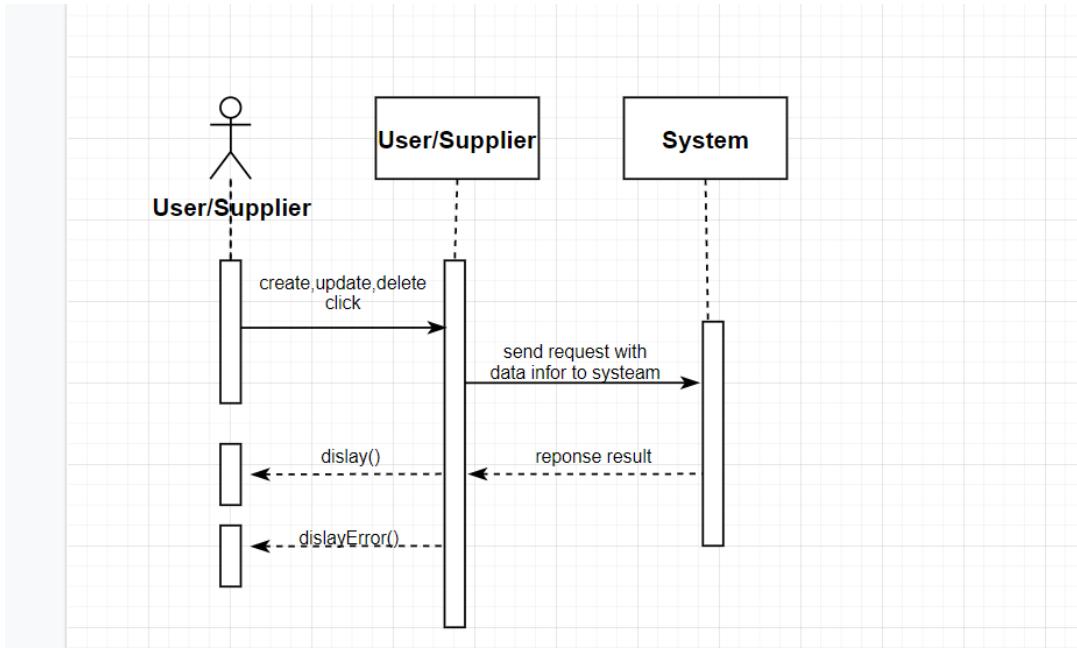


<b>Use Case Name</b>	View supplier details	
<b>Actors</b>	User and Supplier	
<b>Description</b>	Allows users to view all hotels that match the user's criteria and have pagination for optimization	
<b>Requirements</b>	Hotels can click to go to the detail page to view hotel information	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Clicks on supplier item 2. Information search with the input data. 3. Display hotel in the hotel detail page.	

	<b>Prepared by: All Members</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
	<b>Project Group No: 04</b>	
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 30</b>

V. Insert/update/delete data function:

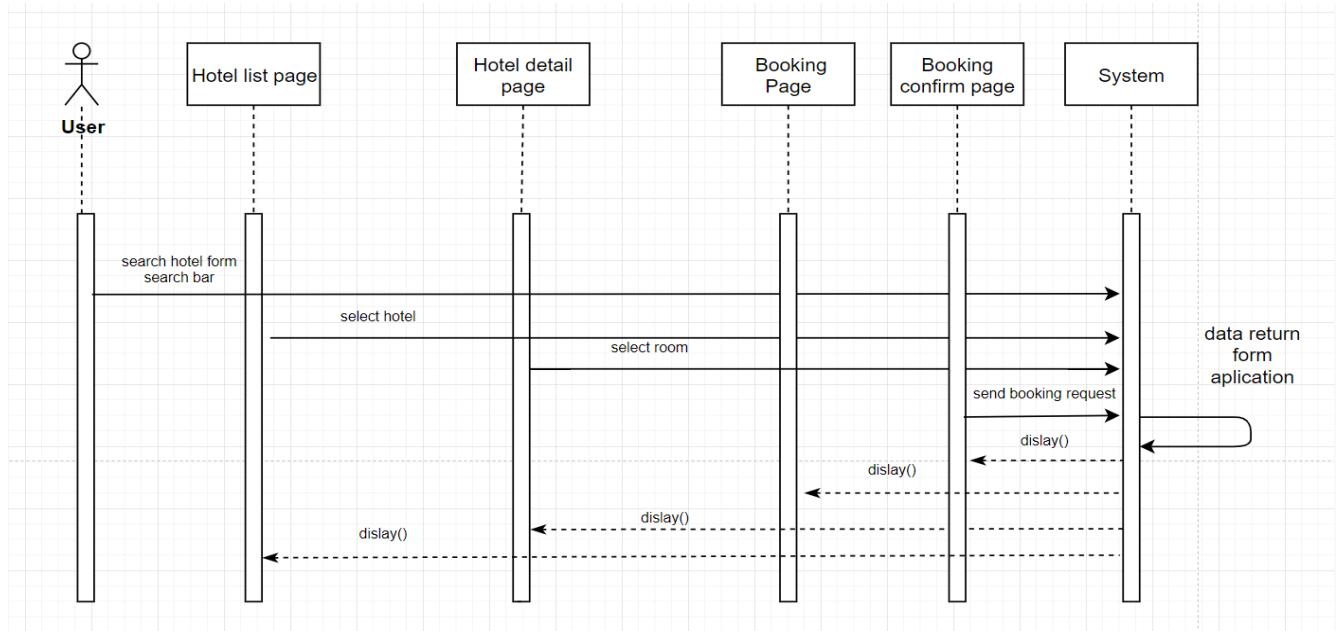


<b>Use Case Name</b>	Insert, update, delete supplier details	
<b>Actors</b>	Supplier	
<b>Description</b>	Supplier can insert, update, delete their data here, in addition, there is also pagination and filter here.	
<b>Requirements</b>	Users can view old data as well as update and delete unnecessary data	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Clicks on supplier item list button like edit or delete  2. Get the data input and do action on the sever. 3. Check the action if it is created or update, then validate the require and columns to show the user, if it is deleted, the message will be displayed. 4. Display notification when success or error.	

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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## VI. Booking data function



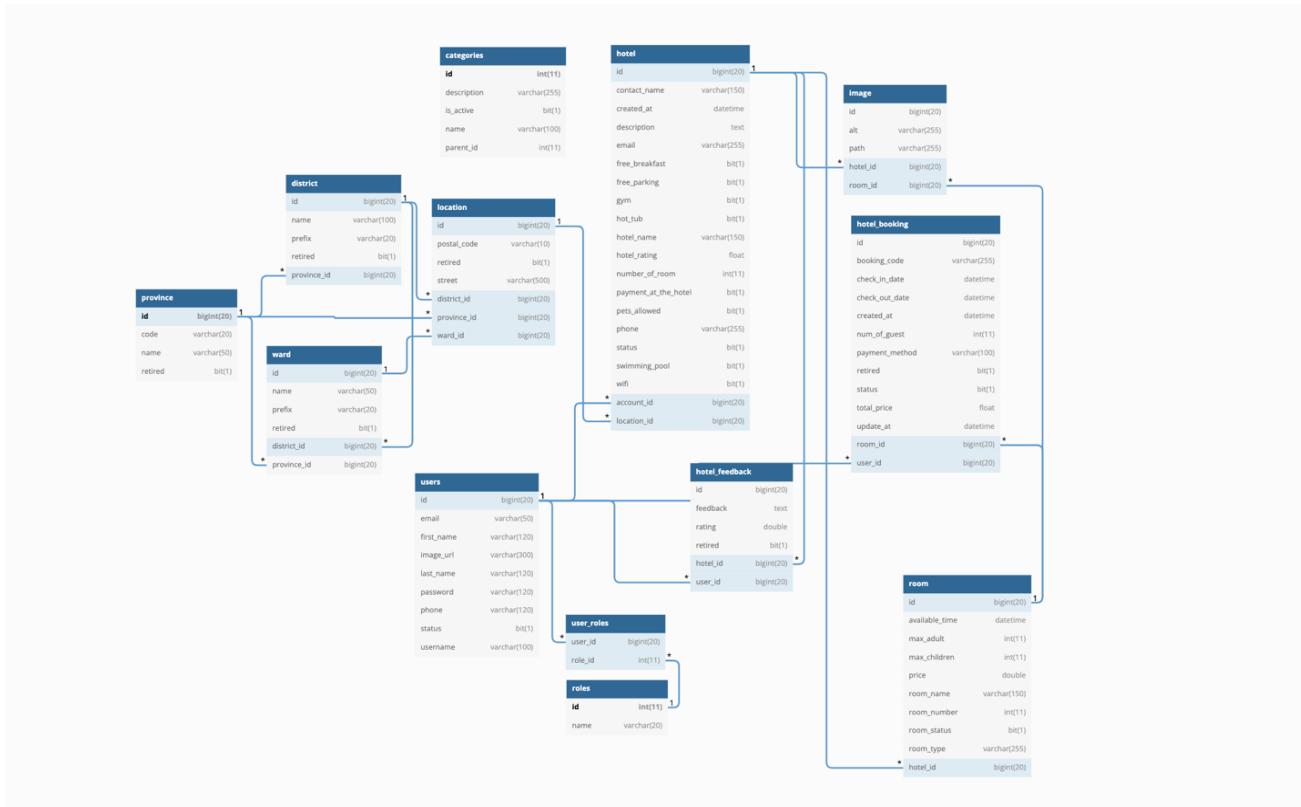
Use Case Name	Booking Room Action	
Actors	User only	
Description	Users can use the search engine on the home page to find the right hotel, then proceed to select the hotel and select the appropriate room to proceed with booking.	
Requirements	1. Check in date, check out date and location can't be blank. 2. must choose the number of rooms suitable for the number of people moving to the hotel. 3. Check out date greater than check in date. 4. Only user role can create booking	
	Actor Actions	System Responses
Basic flow	1. select location, check in date check out date, number adult and children to search 2. Into detail page click book now in room item select	1. Get the data input and do action search. Display item hotel result 2. Get data end search information of user. Display in Booking confirm page 3. Validate information of user and display payment method popup.

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<b>Project Group No: 04</b>	
<b>Signature</b>	
<b>Date</b>	<b>01/07/2022</b>
	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
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	3.into booking page click validate to validate information of user and open payment method	After payment create book with data booking of user and show booking information at booking confirm page
--	--	--

## ENTITY RELATIONSHIP DIAGRAM



	<b>Prepared by: All Members</b> <b>Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 33</b>

## TABLE DESIGN

### I. Table Users:

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field-Ref	Description
ID	bigint	No		PK	Identity	Stores user id
First Name	Character varying (100)	No				Stores user first name
Last Name	Character varying (100)	No				Stores last name
Phone	Character varying (255)	No				Stores user phone number
Status	boolean	No	true			Active check
Image url	bigint	No				Stores user image
Username	Character varying (255)	No		FK		Stores username of user
Password	Character varying (255)	No		FK		Stores Password of user
Email	Character varying (255)	No		FK		Stores Email of user

### II. Table user role

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field-Ref	Description
User_id	bigint	No				Stores user id
Role_id	int	No				Stores role id

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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### III. Table role

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field-Ref	Description
id	bigint	No		PK		Stores role id
name	int	No				Stores role name

### IV. Table Categories

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field-Ref	Description
id	bigint	No		PK		Stores categories id
Description	Varchar(25 5)					Stores description
Is_active	Bit(1)					Store active status
Name	Varchar(10 0)					Store categories name
Parent_id	Int					Store parent_id

### V. Table Location

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field-Ref	Description
id	bigint	No		PK		Stores id
Postal_code	Varchar(10 )					Stores postal code
retired	Bit(1)					Store retired status

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<b>Signature</b>		
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<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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street	Varchar(25 5)					Store street
District_id	bigint					Store district_id
Province_id	Bigint					Store province_id
Ward_id	Bigint					Store ward_id

## VI. Table District

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field- Ref	Description
id	bigint	No		PK		Stores id
name	Varchar(10 0)					Stores name
prefix	Varchar(12 0)					Store prefix
retired	Bit(1)					Store retired status
Province_id	bignint					Store province_id

## VII. Table Province

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field- Ref	Description
id	bigint	No		PK		Stores id
Code	Varchar(10 0)					Stores code
Name	Varchar(12 0)					Store name
retired	Bit(1)					Store retired status

## VIII. Table Ward

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field- Ref	Description
id	bigint	No		PK		Stores id

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 36</b>

Name	Varchar(50 )					Stores name
Prefix	Varchar(20 )					Store prefix
Retired	bit					Store retired status
District_id	bigint					Store district_id
Province_id	Bigint					Store province_id

## IX. Table hotel

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field-Ref	Description
id	bigint	No		PK		Stores id
Contact_name	Varchar(15 0)					Stores contact_name
Created_at	Datetime					Store Created_at
Description	text					Store Description
Email	Varchar(15 0)					Store Email
Free_breakfast	bit					Store province_id
Free_parking	bit					Stores Free_breakfast status
Gym	bit					Stores gym status
Hot_tub	bit					Stores hot_tub status
Hotel_name	Varchar(15 0)					Stores hotel_name
Hotel_rating	float					Stores hotel_rating
Number_of_room	Int					Stores room number
Payment_at_the_hotel	Bit					Stores payment at hotel status
Pets_allowed	Bit					Stores pets allowed
Phone	Varchar(15 0)					Stores phone number
Status	Bit					Stores status
Swimming_pool	Bit					Stores swimming pool status
Wifi	Bit					Stores free wifi status
Account_id	Bigint					Stores account_id
Location_id	bigint					Stores location_id

	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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#### X. Table image

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field- Ref	Description
id	bigint	No		PK		Stores id
alt	Varchar(15 0)					Stores alt
path	Varchar(15 0)					Store image path
Hotel_id	Bigint					Store hotel_id
Room_id	bigint					Store room_id

#### XI. Table room

Field Name	Data Type	Nul l	Default Value	Key	Table-Field- Ref	Description
id	bigint	No		PK		Stores id
Available_time	datetime					Stores available time
Max_adult	int					Store max adult number
Max_children	int					Store max children number
price	double					Store price
Room_name	Varchar(15 0)					Store room name
Room_number	Int					Stores room number
Room_staus	Bit					Stores room status
Room_type	Varchar(25 5)					Stores room type
Hotel_id	bigint					Stores hotel_id

#### XII. Table hotel booking

Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field- Ref	Description
id	bigint	No		PK		Stores id
Booking_code	Varchar(15 0)					Stores booking code

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 38</b>

Check_in_date	Datetime					Store check in date
Check_out_date	Datetime					Store check out date
<u>Created_at</u>	Datetime					Store created date
Num_of_guest	int					Store number of guest
Payment_method	Varchar(150)					Stores payment method
Retired	bit					Stores retired status
Status	bit					Stores status
Total_price	float					Stores total price
Update_at	datetime					Stores update at
Room_id	bigint					Stores room id
User_id	Bigint					Stores user id

### XIII. Table hotel feedback

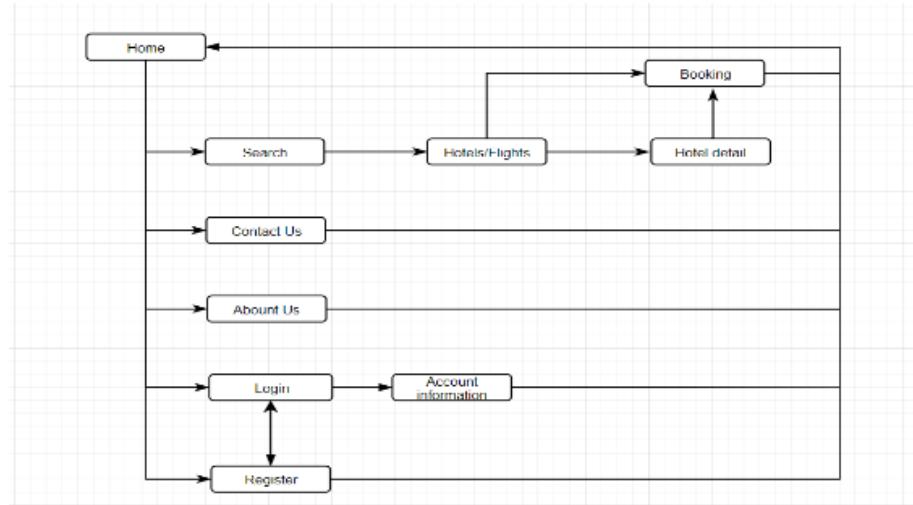
Users						
Field Name	Data Type	Nul l	Default Value	Key	Table-Field-Ref	Description
id	bigint	No		PK		Stores id
feedback	text					Stores feedback
rating	double					Store rating
retired	bit					Store retired status
<u>Hotel_id</u>	bigint					Store hotel_id
User_id	bigint					Store user_id

	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

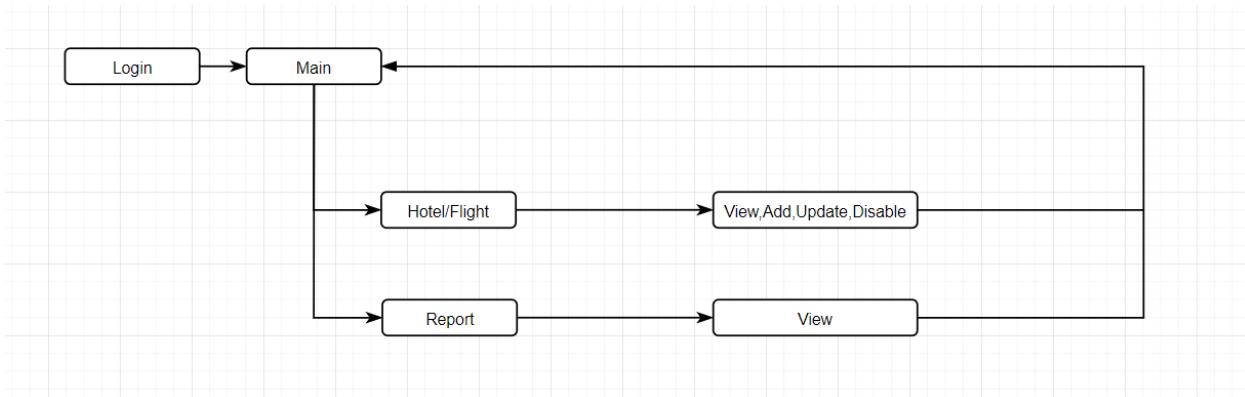
<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 39</b>

## Site Maps

### I. User site:



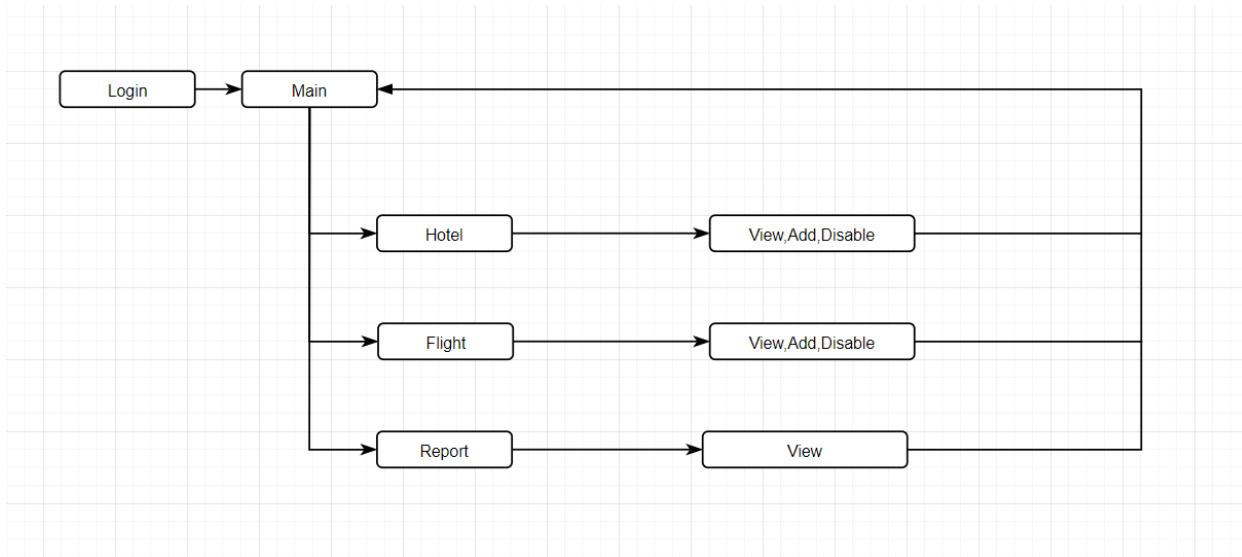
### II. Supplier:



	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 40</b>

### III. Admin:



## TASK SHEET REVIEW 2

Project Ref. No.: TRAVEL ToVN		Project Title:  travelola	Activity Plan Prepared By:  Nguyen Ngoc Hung	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	DFD (Data Flow Diagram)			30/06/2022	1	Nguyen The Long	100%
2	Flowcharts			30/06/2022	1	Phung Hoai Bao	100%
3	ERD (Entity Relationship Diagram)			30/06/2022	1	Nguyen Ngoc Hung	100%
4	Table Design			30/06/2022	1	Pham Van Nguyen	100%

	<b>Prepared by: All Members</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
	<b>Project Group No: 04</b>	
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 41</b>

<b>Date: 17/06/2022</b>	
Signature of Instructor:	Signature of Team Leader:
<b>MR. NGO PHUOC NGUYEN</b>	<b>Nguyen Ngoc Hung</b>

	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 42</b>

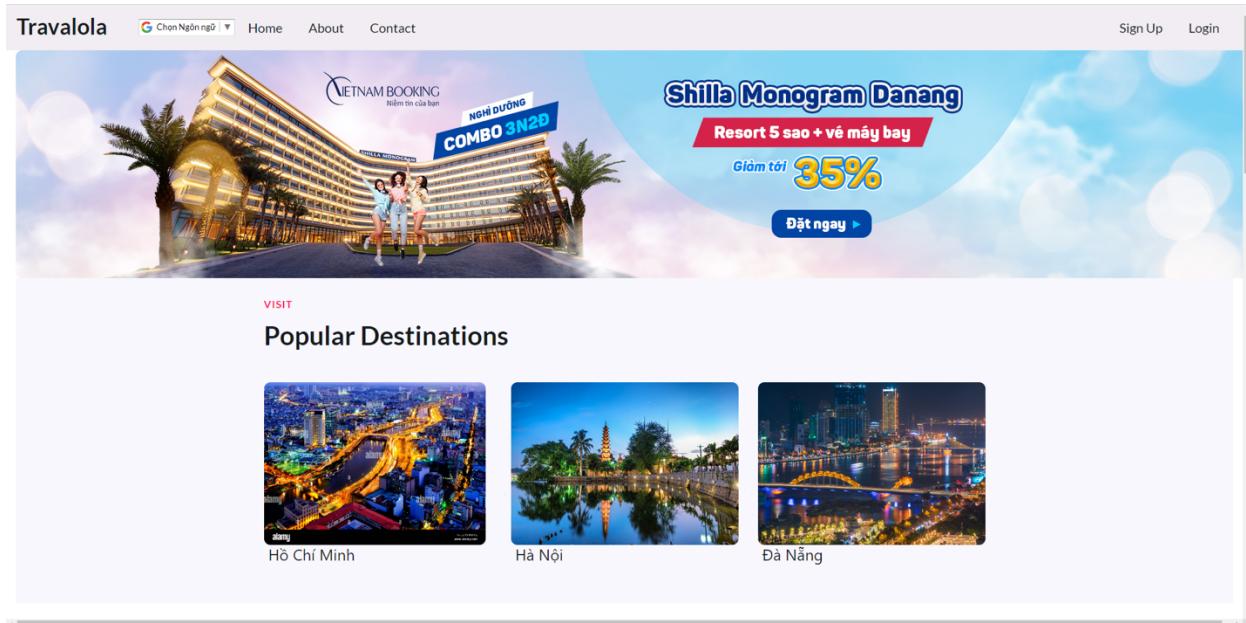
# REVIEW 3

	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 43</b>

## GUI DESIGN

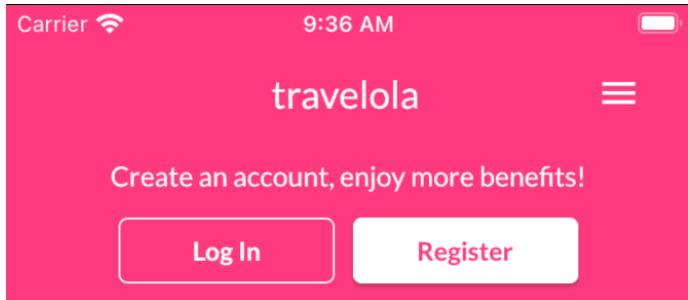
### I. HOME PAGE



No	Name	Type	Validation	Description	Status
1	Home	Click		Go home page	Enable
2	Contact	Click		Go contact page	Enable
3	Sign up	Click		Go sign up page	Enable
4	Login	Click		Go login page	Enable
5	Popular destinations	click		Find hotel with city	Enable

	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 44</b>



**Hello, what are you  
looking for?**



Hotels



Experiences



Adventures

**Best Experiences**

...



Home



My Booking



Notifications



My Account

## II. SEARCH HOTEL PAGE

	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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### III. HOTEL DETAILS

The image shows a mobile application interface for booking a hotel room. It displays two main sections: 'Summer' and 'Winter'.

**Summer Section:**

- Rating:** ★ 5.0 (100 feedbacks)
- Book Now** button
- Name:** Dragon Red
- Address:** 1111 - le loi 1, An Phú Tây, Bình Chánh, Hà Nội
- Facilities:** Icons for Wi-Fi, AC, Pet-friendly, Laundry, Swimming Pool, Gym, and Dining.
- Image:** A photograph of a double bed with white linens and a patterned pillow.
- Text:** Summer

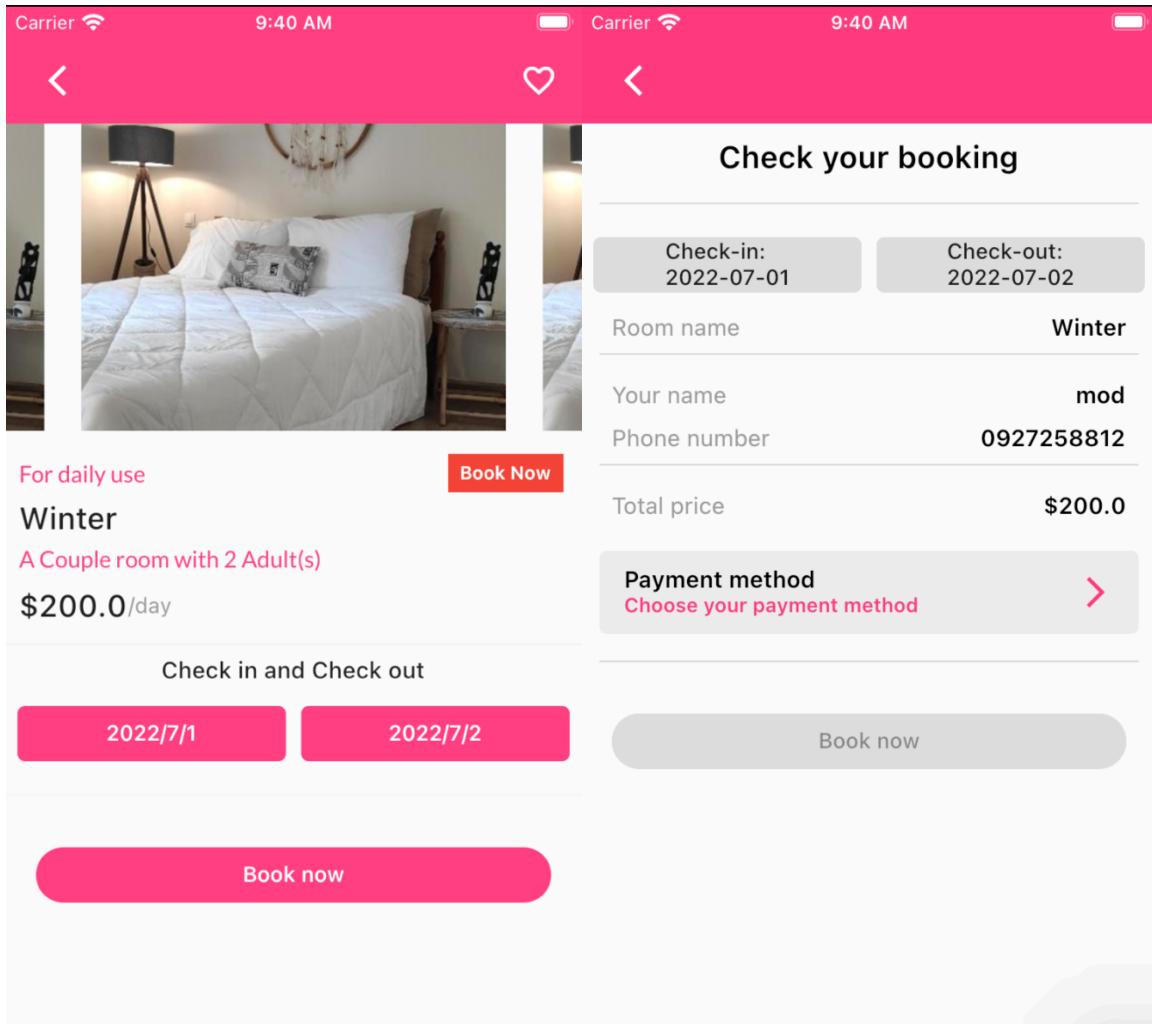
**Winter Section:**

- Rating:** ★ 5.0 (100 feedbacks)
- Book Now** button
- Name:** Winter
- Guests:** 2 Adult(s), 2 Child(ren)
- Wi-Fi:** No Free Wi-Fi
- Type:** Couple
- Price:** \$200.0
- Choose** button
- Feedback:**
  - Rating:** ★ 1.0
  - User:** user
  - Comment:** phong oke lăm
  - Rating:** ★ 1.0
  - User:** user
  - Comment:** oke
- Description:** description 123113131231

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<b>Signature</b>		
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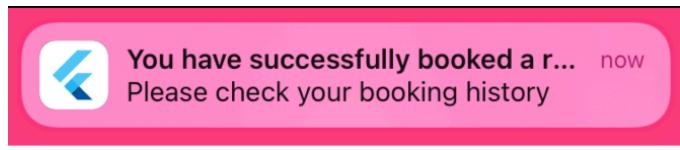
#### IV. HOTEL BOOKING PAGE



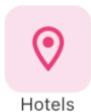
	<b>Prepared by: All Members Project Group No: 04</b>	<b>Approved by: Mr. Ngo Phuoc Nguyen</b>
<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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## V. COMPLETE BOOKING PAGE



# Hello, what are you looking for?



Hotels



Experiences



Adventures

Best Experiences

...



Home



My Booking



Notifications

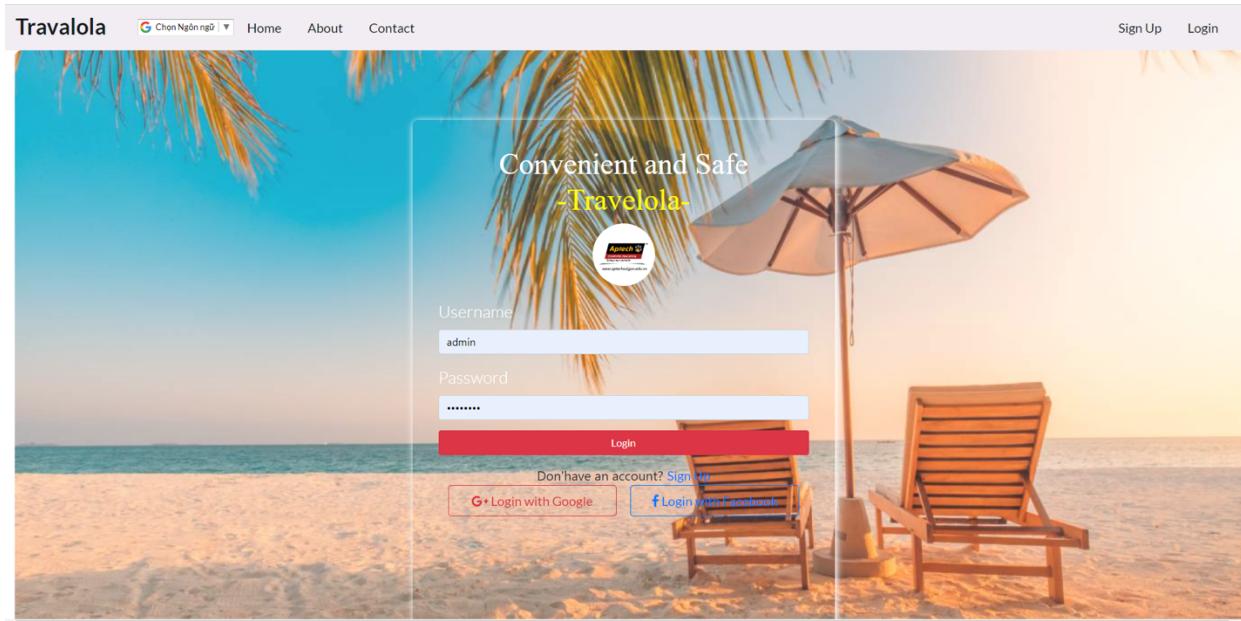


My Account

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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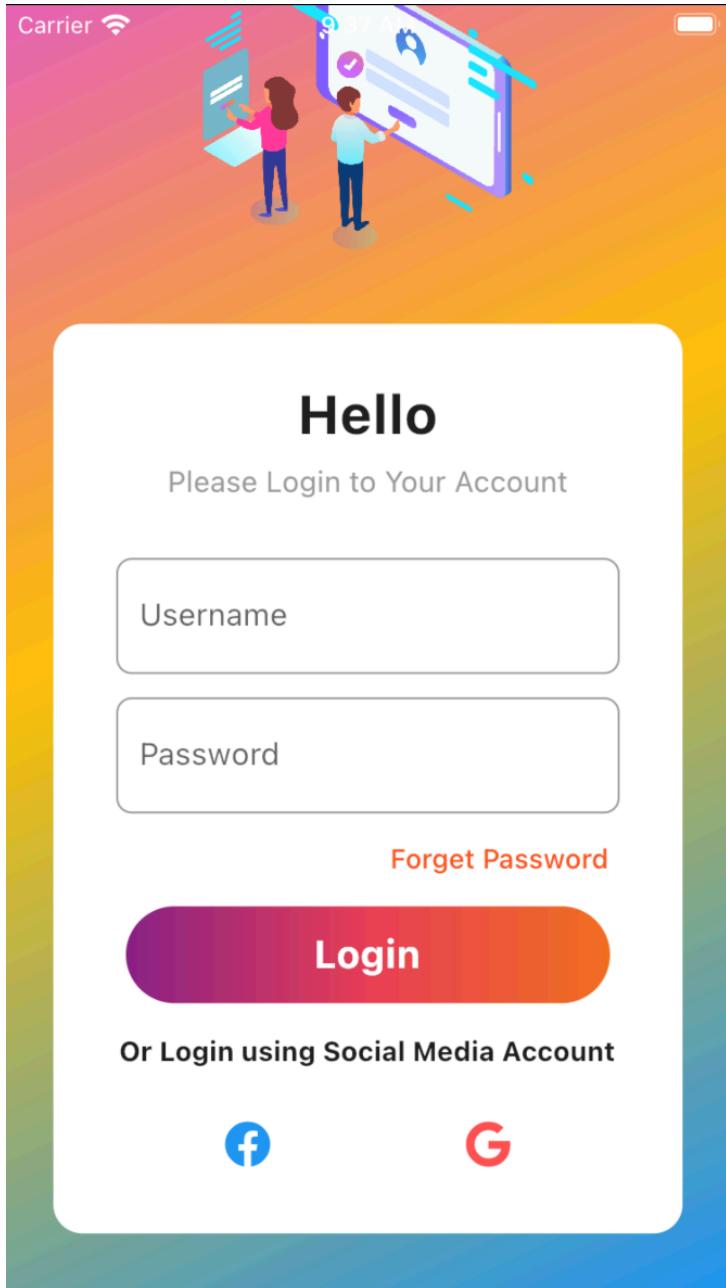
## VI. LOGIN PAGE



No	Name	Type	Validation	Description	Status
1	Username	TextField	Not null	Enter username	Enable
2	Password	TextField	Not null	Enter password	Enable
3	Login	Click		Login button	Enable
4	Sign up	Click		Go sign up page	Enable
5	Login with Google/Facebook	Click		Login with Google/Facebook account	Enable

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

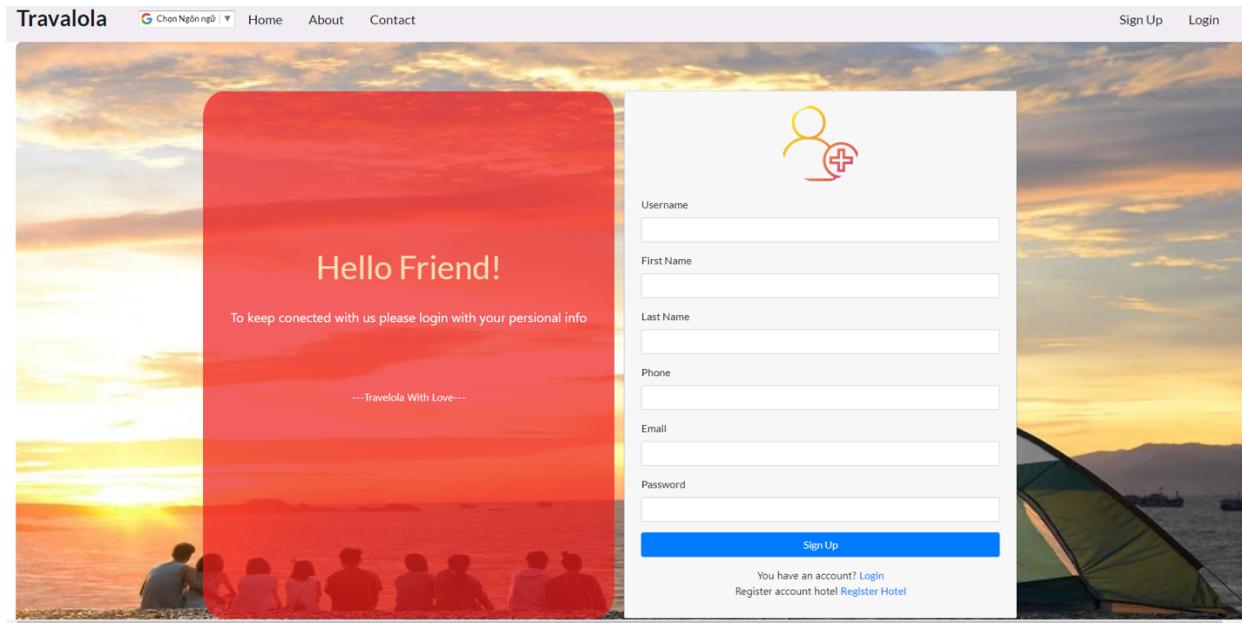
<b>Project: travelola</b>	<b>Document Name:</b> <b>Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 49</b>



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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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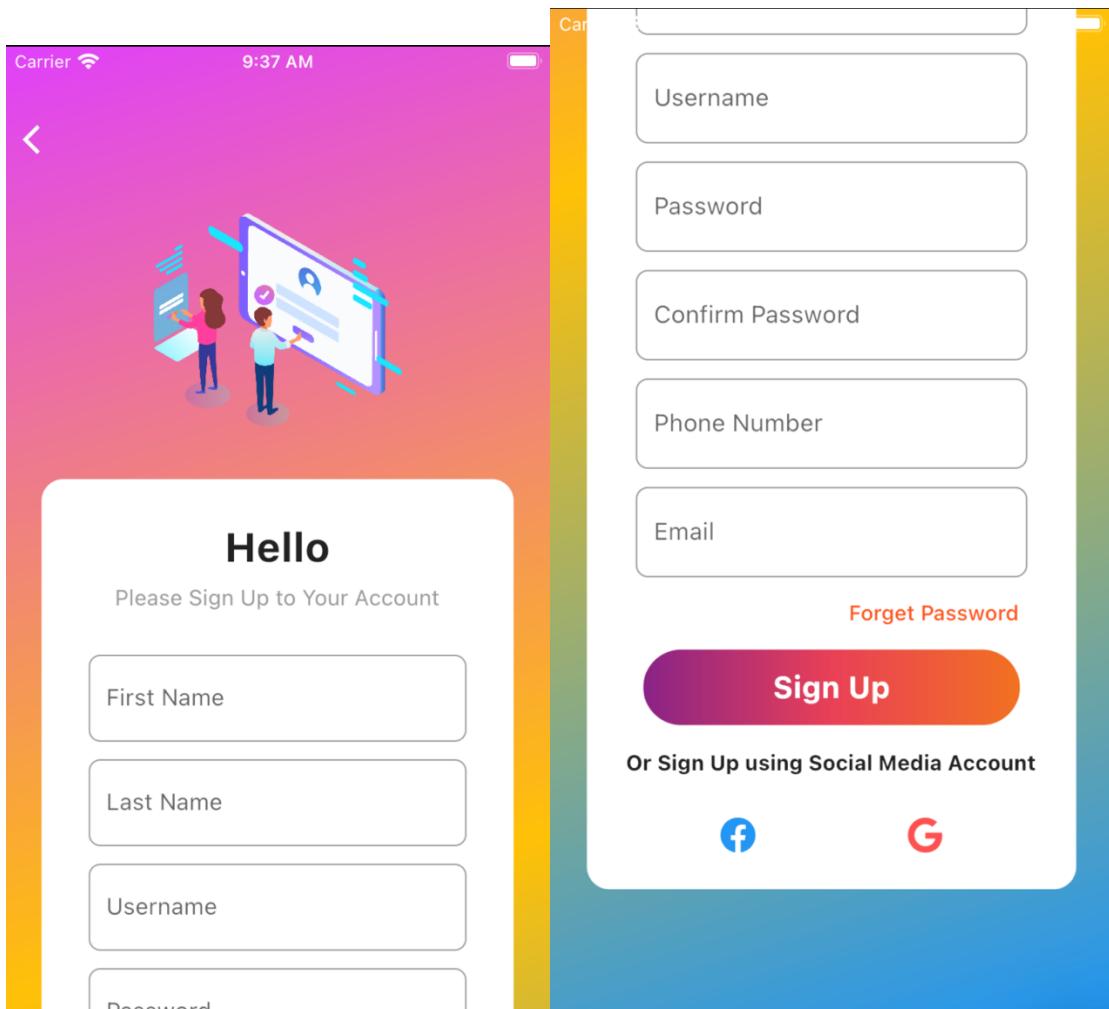
## VII. REGISTER PAGE



No	Name	Type	Validation	Description	Status
1	Username	TextField	Unique,not null	Enter username	Enable
2	First name	TextField	Not null	Enter first name	Enable
3	Last name	TextField	Not null	Enter last name	Enable
4	Phone	TextField	Not null, phone must more than 8	Enter phone number	Enable
5	Email	TextField	Not null, email validation	Enter email	Enable
6	Password	TextField	Not null	Enter password	Enable
7	Sign up	Click		Go sign up page	Enable
8	Login	Click		Login button	Enable
9	Register Hotel	Click		Go sign up a hotel	Enable

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

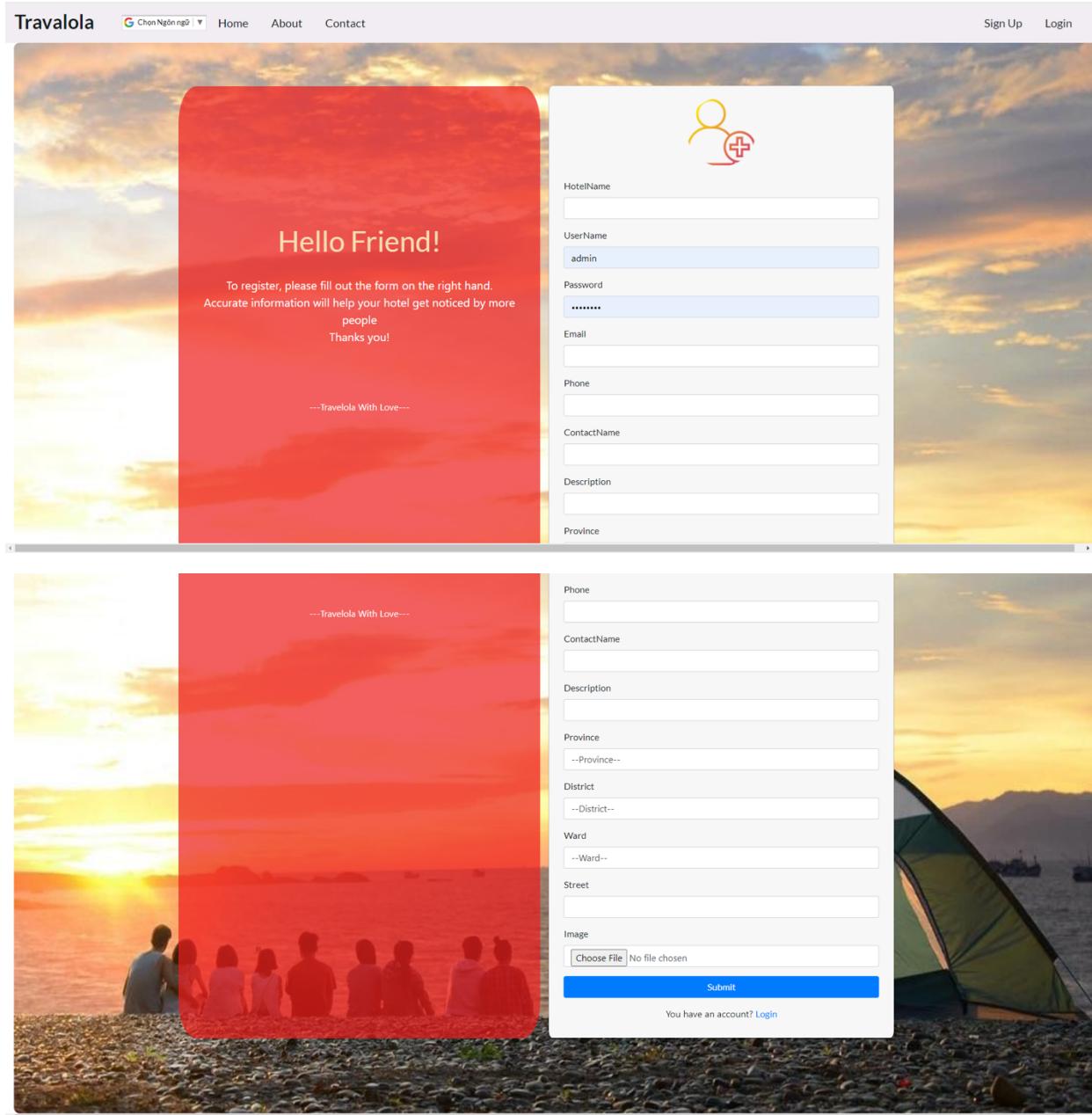
<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
<b>Effective Date: 01/07/2022</b>	<b>Version: 1.0</b>	<b>Page No: 51</b>



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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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### VIII. HOTEL REGISTER PAGE



The screenshot shows a hotel registration form overlaid on a scenic sunset background. The form is divided into two main sections: a left sidebar and a right input area.

**Left Sidebar (Red Background):**

- Hello Friend!**
- To register, please fill out the form on the right hand.
- Accurate information will help your hotel get noticed by more people
- Thanks you!
- Travelola With Love---

**Right Input Area:**

- Logo:** A stylized orange/red icon of a person with a plus sign.
- Fields:**
  - HotelName
  - UserName: admin
  - Password: ..... (redacted)
  - Email
  - Phone
  - ContactName
  - Description
  - Province
  - Phone
  - ContactName
  - Description
  - Province: --Province--
  - District: --District--
  - Ward: --Ward--
  - Street
  - Image: Choose File (No file chosen)
  - Submit** button
- Links:** Sign Up, Login
- Note:** You have an account? [Login](#)

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>

<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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No	Name	Type	Validation	Description	Status
1	Hotel name	TextField	Unique, not null	Enter hotel name	Enable
2	Username	TextField	Unique,not null	Enter username	Enable
3	Password	TextField	Not null	Enter password	Enable
4	Email	TextField	Not null, email validation	Enter email	Enable
5	Phone	TextField	Not null	Enter phone	Enable
6	Contact name	TextField	Not null	Enter contact name	Enable
7	Description	TextField	Not null	Enter description	Enable
8	Province	Click	Not null	Select province	Enable
9	District	Click	Not null	Select district	Enable
10	Ward	Click	Not null	Select ward	Enable
11	Street	TextField	Not null	Enter street	Enable
12	Image	Click	Not null	Select image	Enable
13	Submit	Click		Submit button	Enable
14	Login	Click		Go login page	Enable

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<b>Project: travelola</b>	<b>Document Name: Acknowledgement</b>	<b>SWD/Form No.1</b>
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- IX. ADMIN PAGE
- X. HOTEL MANAGER PAGE
- XI. PROFILE USER

No	Name	Type	Validation	Description	Status
1	Update	Click		Go update information	Enable

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<b>Signature</b>		
<b>Date</b>	<b>01/07/2022</b>	<b>01/07/2022</b>