Dharmsinh Desai University, Nadiad

Faculty of Technology, Department of Computer Engineering

B. Tech. CE Semester – V
Subject: (CE – 515) Advanced Technologies

Project Title:

R&R Tours
(Tours & Travel Management System)

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Guided by:
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CERTIFICATE

This is to certify that the Advanced Technologies project entitled **"R&R Tours (Tours & Travel Management System)"** is a bonafied report of the work carried out by

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of Department of Computer Engineering, Semester V, academic year 2019-20, under the guidance and supervision for the subject Advanced Technologies.

(Project Guide)	(Project Guide)	(HOD)
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Contents

Abstract

Now a days there is everything on the internet. People usually want to travel along the world in the vacations. So, we have developed a web portal for the tours and travel company. User can come to the website and find the package for the destination where he/she wants to go. They will have different options for choosing packages for the particular place. So, user can go to the website and can see all the packages on just mouse click, in place of following the old way to call the travel agent and ask for the brochure of the tour.

Introduction

The objective of the project is to develop a system that automates the process and activities of travel and tourism. The purpose of the system is to provide the more option for travelling places and also giving the basic facility.

User can come to the website and can find the tour packages of the place where he/she wants to go. User can select particular package and can see the details of the packages. Details of the package includes, places to be visited, no. of days, departure date, cost of the package etc. User can request a call back for further booking of the package. User can login to the system by providing email and password. If user doesn't have account than he/she can create one by filling up the sign-up form.

Technology used:

- Cascading style sheet (CSS3) for styling the HTML pages.
- JavaScript for providing dynamic content for the HTML pages.
- Bootstrap 4 for styling the HTML pages using predefined classes of bootstrap.
- Angular 6 for component division of our website.
- Node.js for backend support.
- MongoDB as a database manager to save and fetch data from database using Node.js mongoose module.
- Express modules as a middleware.
- Typescript used in Angular 6 for accessing all the components of the same.

Platform used:

- Visual Studio Code

Software Requirement Specifications

1) End User:

R1 - Manage Account
Description: In this, user can do basic CRUD operation on account like Create, Add, Update, Delete.

     R1.1 Create account
     Input: Firstname, Lastname, email, mobile no
     Output: Account will be created and confirmation email will be sent to the email id given by user.
     Exception: If any of the data is invalid or user is already existing then account will not be created.

     R1.2 Update account
     Input: User will have to enter the updated details.
     Output: Updated details will be displayed.

     R1.3 Delete account
     Input: Click the delete account button.
     Output: entry of the user will be removed from the database and appropriate message will be displayed.

R2 – Login
Description: By this user can login into the system.
     Input: Email id and password.
     Output: user will be logged in.
     Exception: If credentials provided are wrong then user can't login.

R3 – Request Callback
Description: User can request callback for the enquiry or booking of the package.
     Input: Firstname, lastname, email, mobile no
     Output: Request received successfully message will be displayed.

2) Administrator:

R1 - Manage Packages
Description: Admin can add the new packages or can delete some packages as required. Admin can also update information in existing packages.

R1.1 Add package
Input: Package details like package id, name, days, to date, from date, price
Output: the new package appears in appropriate category on portal.

R1.2 Update package
Input: details to be update
Output: package details will be updated.

R1.3 Delete package
Input: Package ID.
Output: Package will be deleted and appropriate message will be displayed.

R2 – Manage Users
Description: Admin can add user, show all users, find specific user and delete the user.

R1.1 Add User
Input: Firstname, lastname, email, mobile no
Output: user will be registered.

R1.2 – Show Users:
Input: Show users command
Output: All the users with their details will be displayed.

R1.3 – Find User:
Input: Email id
Output: details of the user will be displayed.

R1.4 – Delete User:
Input: Email id
Output: User will be deleted and appropriate message will be shown.

Design

1. E-R Diagram
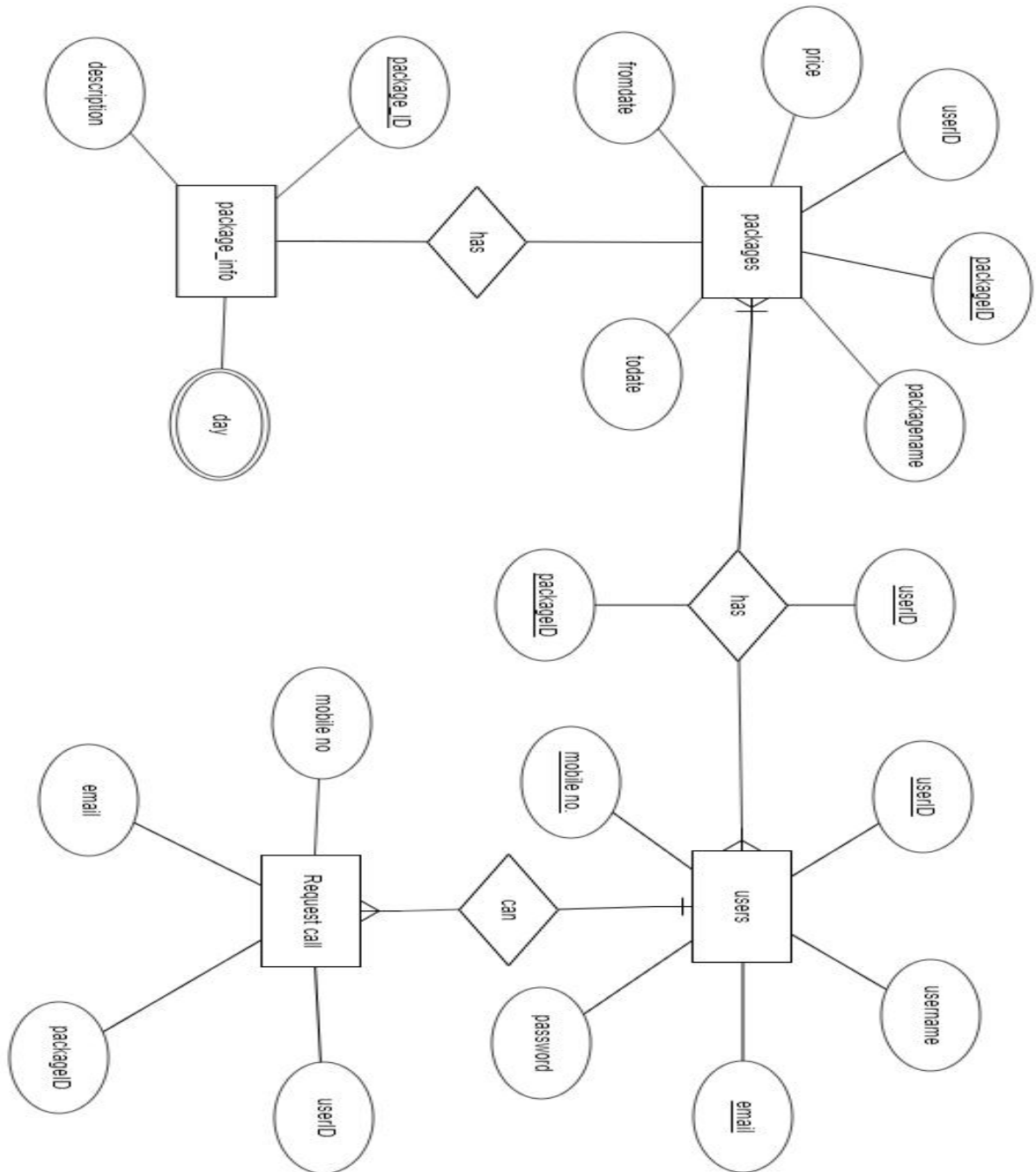
2. Data Dictionary

Users								
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table	Description
1	_Id	Varchar2	10	Yes	Yes	PK		Unique ID provided by mongo db
2	First name	Varchar2	20	Yes				
3	Last name	Varchar2	20	Yes				
4	Password	Varchar2	10	Yes				
5	Mobile no.	Number	10	Yes	Yes			
6	Email Id	Varchar2	15	Yes	Yes			

Package								
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table	Description
1	PId	Varchar2	10	Yes	Yes	PK		
2	Pname	Varchar2	10	Yes				
3	Days	Number Integer	10	Yes				
4	to	Date	10	Yes				Check the value is not same as the 'from' attribute
5	From	Date	15	Yes				Check the value is not same as the 'to' attribute
6	Price	Number	6	Yes				Check the price for '-ve' always '+ve'

Package_info								
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table	Description
1	PId	Varchar2	10	Yes	Yes	FK	Package	
2	Day	Number	10	Yes				
3	Description	Varchar2	25	Yes				

Requests								
Sr. No.	Field Name	Data Type	Width	Required	Unique	PK/FK	Referenced Table	Description
1	First name	Varchar2	10	Yes	Yes	FK	Package	
2	Last name	Number Integer	10	Yes				
3	email	Varchar2	25	Yes				
4	Mobile no	number						

3. DFD Diagram
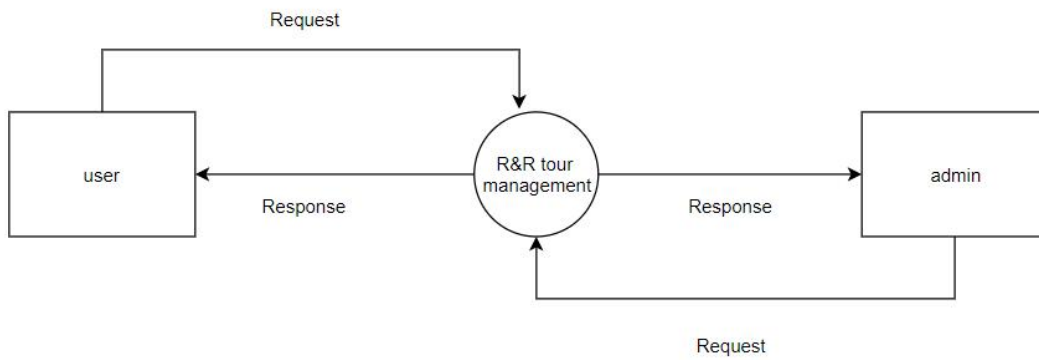
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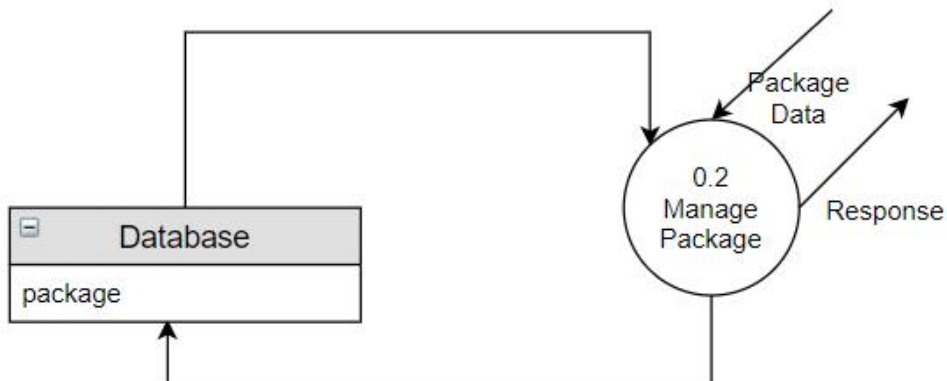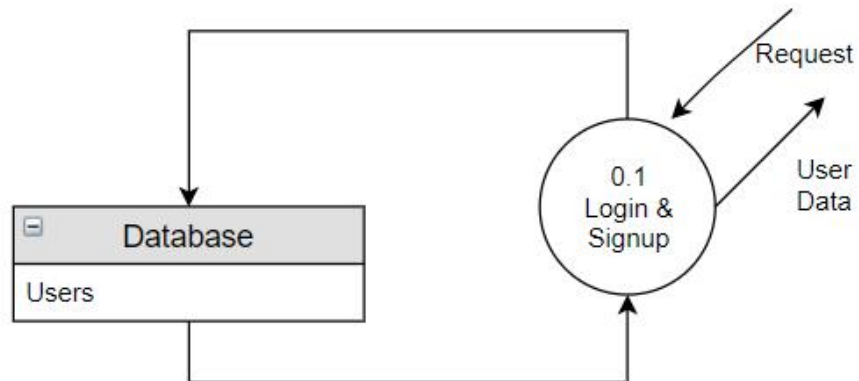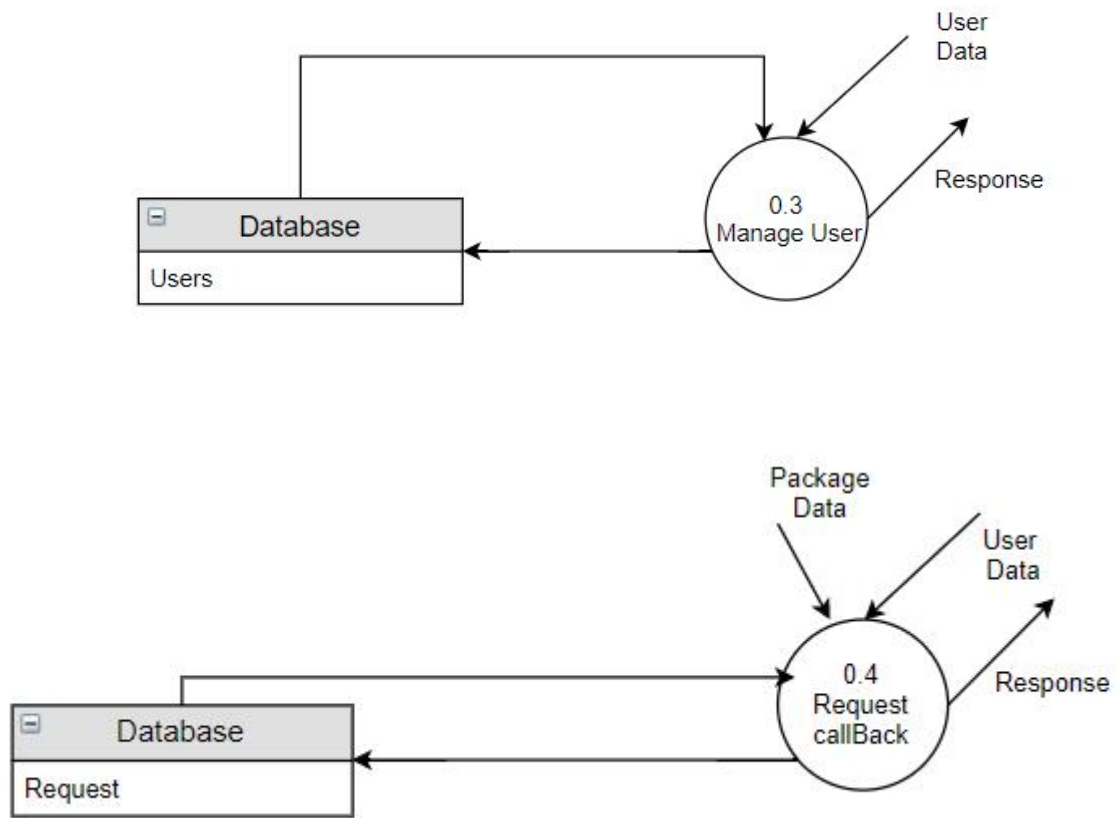
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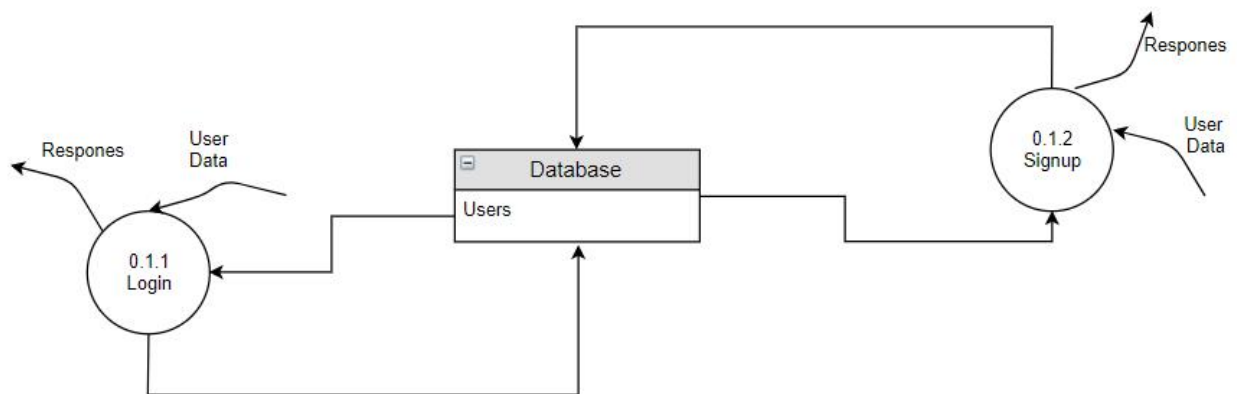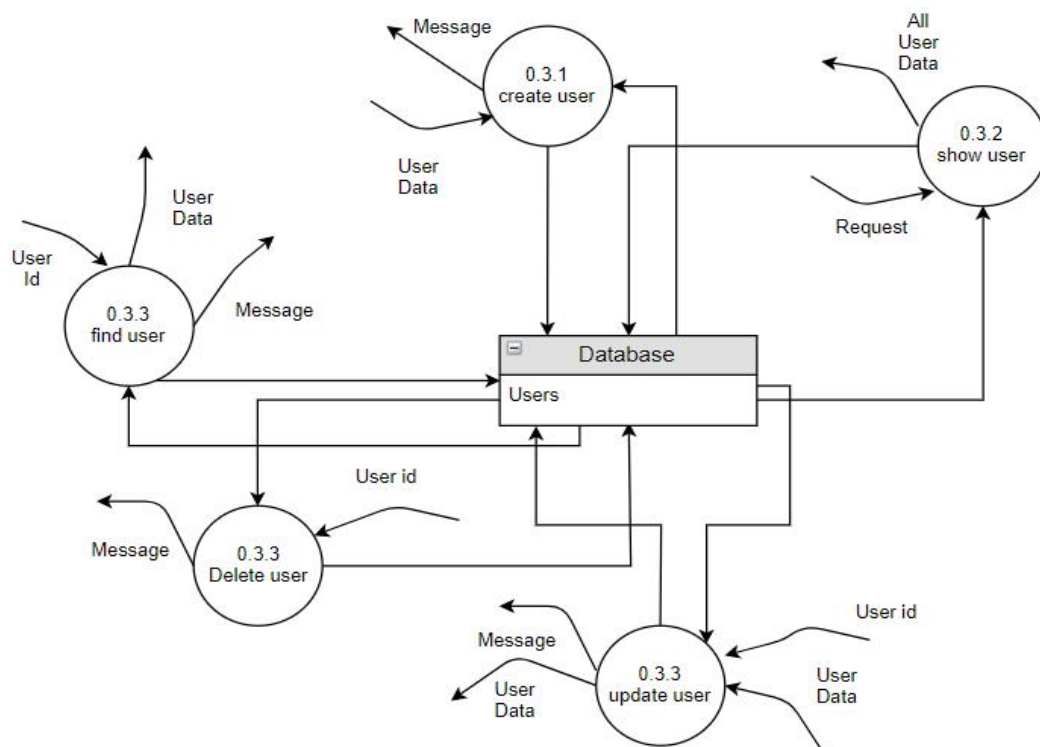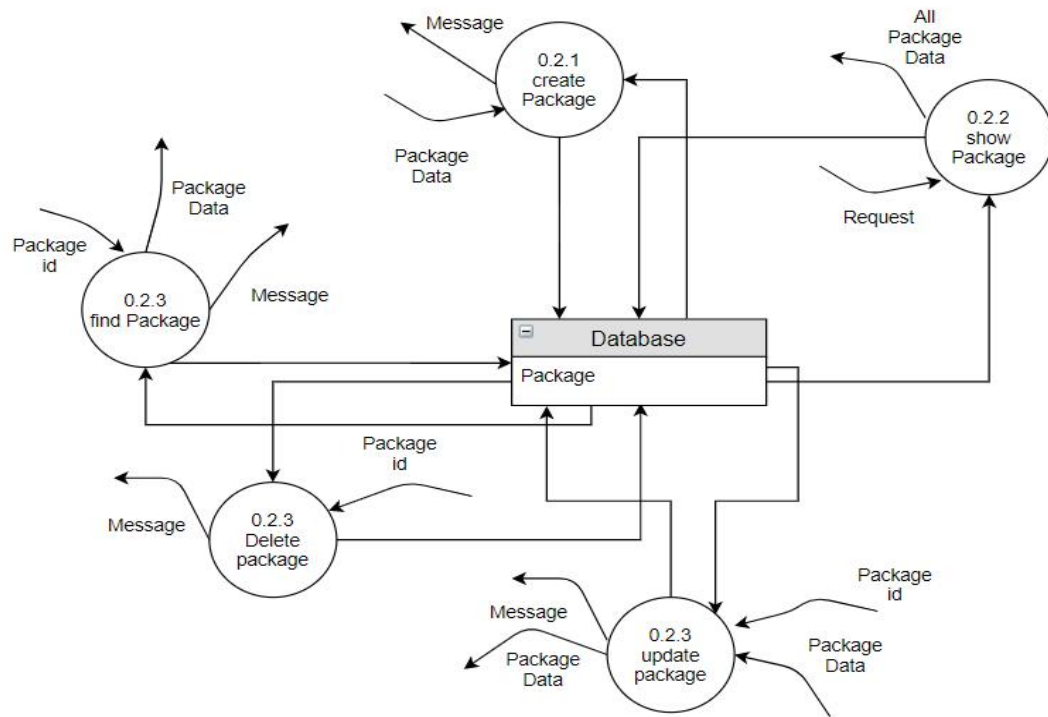
Level-2

Implementation Detail

Home Module:

In the home page first slide show is shown with beautiful pictures of worldwide places. At the middle of the page two sections is displayed, one for Indian tours and other for international tours.

Login/Signup Module:

In signup module user can register themselves by providing details like name, email, password and mobile no. User will be validated at time of registration that it is previously exists or not and the details provided by him is valid. After registering themselves user can login to the system by providing email and password. At the time of login user will be validate.

Package Module:

In the packages page user will be displayed various packages according to his/her selection. User can view different packages and can see the details and cost of each package.

Request Module:

User can request for the package inquiry by selecting request callback function and then submitting the necessary details.

Profile Module:

In the profile page user can see his/her profile and can update the details

Admin Module:

In the admin module admin can do the CRUD operation on the data. Admin can find user, view user, add user and delete the user.

Testing

For testing of login and signup forms we have used Angular inbuilt Model driven forms (Reactive forms). It is derived by importing the Reactive Forms Module.

| Bad Input | User exists | Successful registration |

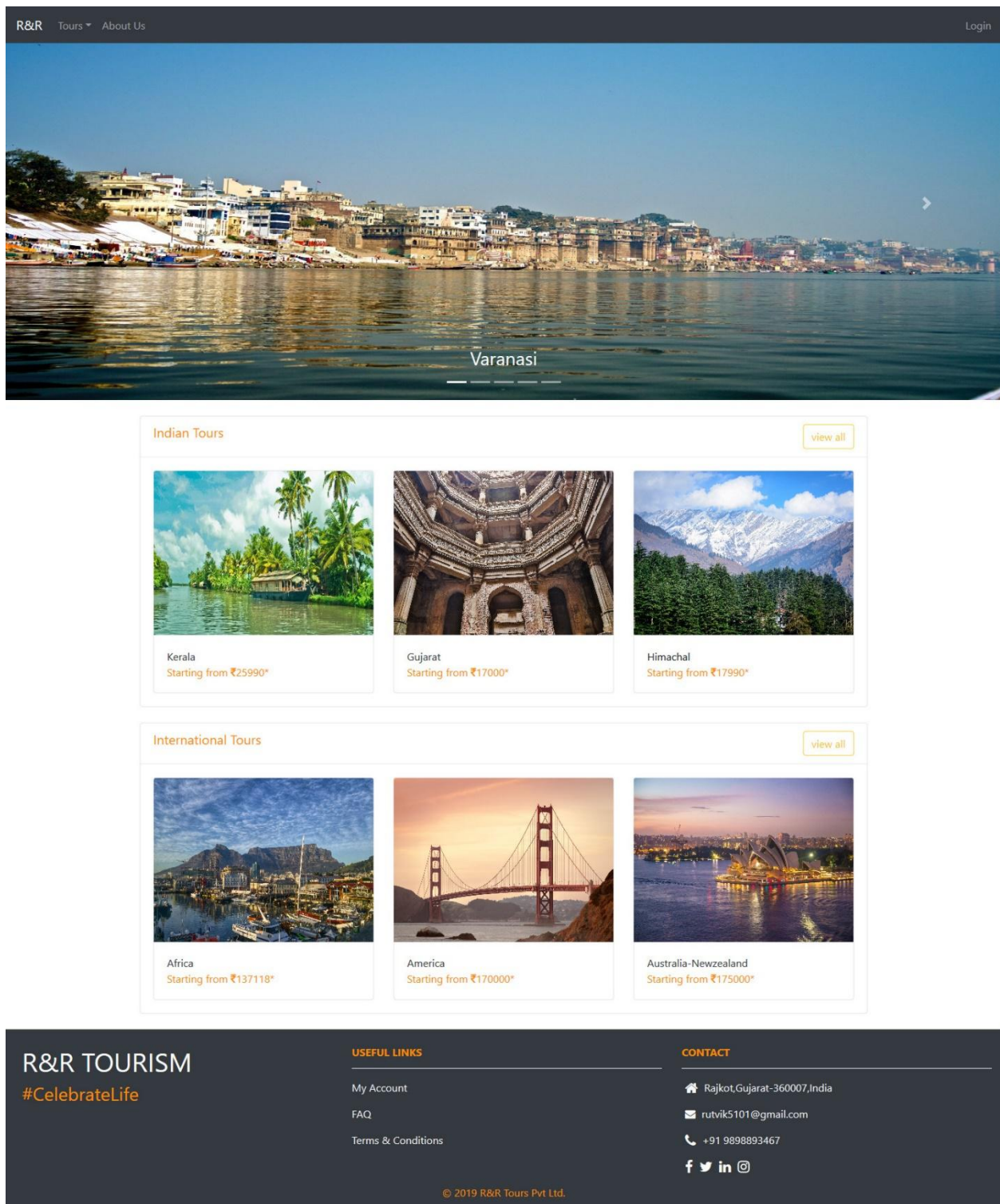**Signup Testing**
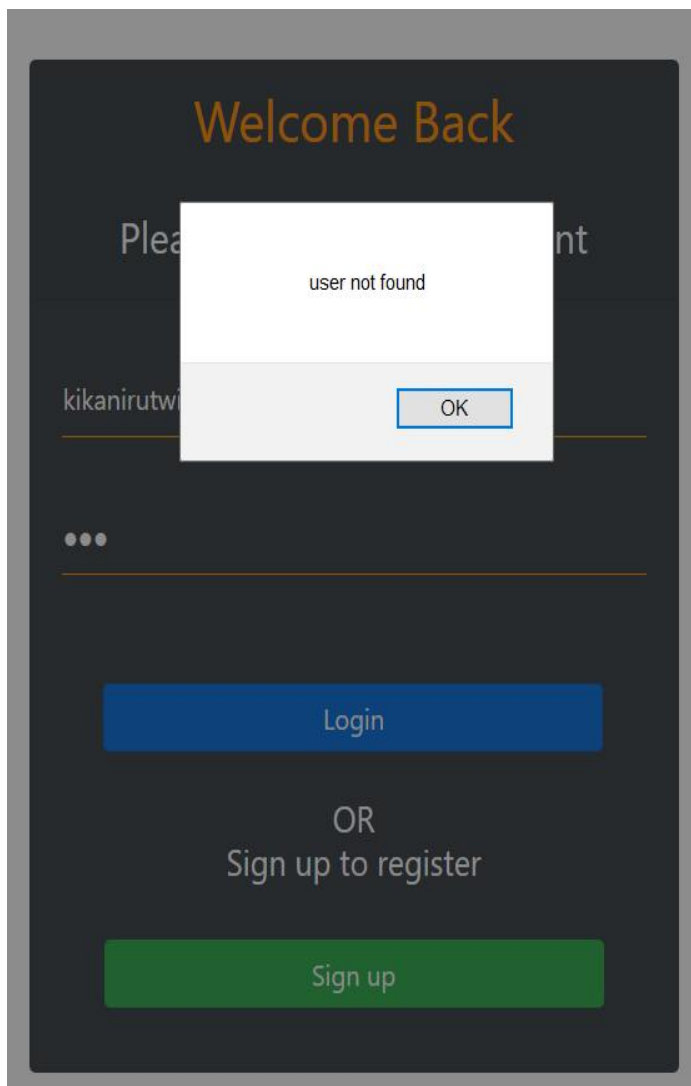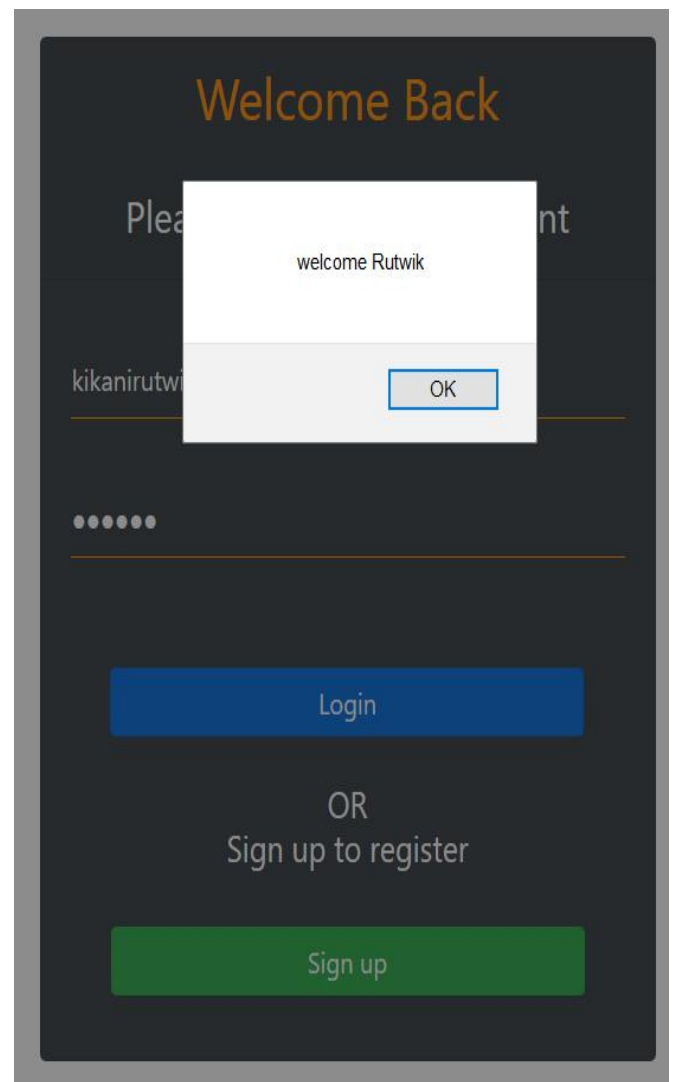
Invalid Input   Successful login

Login Testing

Screen shots

Home Page

Indian Tours

Andaman
Starting from ₹25990*

Andhra Pradesh
Starting from ₹14000*

Goa
Starting from ₹17000*

Gujarat
Starting from ₹17000*

Himachal
Starting from ₹11990*

Kailash Manasarovar
Starting from ₹17990*

Kashmir
Starting from ₹20990*

Kerala
Starting from ₹20990*

Leh Ladakh
Starting from ₹52990*

Rajasthan
Starting from ₹26990*

Sikkim Darjeeling
Starting from ₹35990*

Uttarpradesh
Starting from ₹18990*

Indian Tours page

International Tours

Africa
Starting from ₹137118*

America
Starting from ₹170000*

Australia-Newzealand
Starting from ₹175000*

Bhutan
Starting from ₹61990*

Dubai
Starting from ₹62811*

Europe
Starting from ₹109770*

International Tours page

R&R   Tours ▾   About Us   rutvik5101@gmail.com Logout

My Profile

Name
Rutvik Kathrecha

Email Address
rutvik5101@gmail.com

Mobile Number
+91 9898893467

Edit Details

Profile Page

Africa

Sensational South Africa Kenya Tours

Venture into the Wild ! South Africa is one of the most enthralling destinations for travellers from all over the world, as it has seemingly endless numbers of natural parks, beautiful mountains and lunar-like landscapes vigilantly carved by nature. With Savannas and never ending Safari adventures, South Africa Kenya Tours are a must. From the wild grasslands of Kruger Park to prehistoric caves, from the pristine Boulders Beach to the Gold Reef City, you really do have a world in one country, our South Africa Kenya Tour Packages has so much to offer to every keen traveller. Now treat yourself and your family something memorable with South Africa Tour packages. We assure you world class services with best holiday packages & the guidance of our caring Tour Leaders at every step.

7 Nights 8 Cities 1 Country	10 Nights 5 Cities 1 Country	6 Nights 6 Cities 1 Country
MYSTERIES OF EGYPT	EGYPT WITH HURGHADA	SOUTH AFRICA WITH PILANESBERG NATIONAL PARK
View Details Dates and Cost	View Details Dates and Cost	View Details Dates and Cost

8 Nights 4 Cities 1 Country	8 Nights 5 Cities 2 Country	12 Nights 8 Cities 3 Country
ADVENTURE SPECIAL SOUTH AFRICA	SOUTH AFRICA WITH VICTORIA FALLS	SOUTH AFRICA KENYA WITH VICTORIA FALLS
View Details Dates and Cost	View Details Dates and Cost	View Details Dates and Cost

Africa Tours Package

MYSTERIES OF EGYPT

8 Days 7 Hotel Nights
Egypt: Alexandria 1N, Cairo 3N, Abu Simbel, Aswan, Kom Ombu, Edfu, Luxor, Overnight Cruise: Nile Cruise 3N.

Day 1 : Cairo - Alexandria

Arrive in Cairo. Proceed to Alexandria. On arrival city tour includes a visit to Roman Amphitheater, the Catacombs. Visit Library of Alexandria (one of the largest and most significant libraries of the ancient world), The glimpse of Mediterranean Sea.

Day 2 : Alexandria - Cairo

Proceed to Cairo. Arrive in Cairo. Visit to the great pyramids of Giza. Enter the second Pyramid to see what lies inside. Photograph yourself at the giant figure of Sphinx. In the evening enjoy the light and sound show at the Pyramids of Giza.

Day 3 : Cairo - Abu Simbel - Aswan (Board the Nile cruise)

Flight to Abu Simbel. On arrival visit the world famous Temples of Abu Simbel built in the middle of the desert by King Ramses II. Flight to Aswan. Arrive in Aswan Visit Philae Temple, High Dam and Unfinished Obelisque - The beautiful red granites that were used in building the temples and monuments in the ancient days were brought from the quarries of Aswan. Here you can see innumerable inscriptions in the area around the quarries. Later board the Nile cruise.

Day 4 : Kom Ombo - Edfu

Visit the Kom-Ombo Temple. This temple was constructed in the Ptolemaic Roman era for the worship of god Haroeris and Sobek, the crocodile god. Sail to Edfu.

Tour Details

R&R   Tours ▾   About Us   Login

sandstone, which during ancient times was brought from Gabal El Silselah. Visit Karnak Temple, which is a series of temples, built in different reigns.
Starting by the Avenue of Sphinxes visit t... ...ns, the Obelisks of Queen Hatshepsute
and Tutomosis III, the temple of Amon a... ...phis III and the Sacred Lake. Flight to
Cairo. Arrive in Cairo.

Request a call ✕

Departure Date (dd-mm-yyyy): 30-Oct-2019
Departure To-From: MUMBAI-CAIRO
Price: ₹ 137,118

Day 7 : Cairo

Visit the World famous Egyptian Museum... ...un. Enjoy shopping at the bustling Khan
El Khalili bazaar. Later photo stop at Cita...

Enter First name

Day 8 : Departure from Cairo

Enter Last name

Board the flight to your hometown. Tour...

Enter Email

REQUEST A CALLBACK

Enter Mobile no

R&R TOURISM
#CelebrateLife

Submit

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✉ rutvik5101@gmail.com
📞 +91 9898893467
f 🐦 in ⊙

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Request Callback model

R&R   Tours ▾   About Us   kikanirutwik001@gmail.com Logout

Welcome Admin!
What would you like to do...

Add User   Show all Users   Find User   Delete User

R&R TOURISM
#CelebrateLife

USEFUL LINKS

My Account
FAQ
Terms & Conditions

CONTACT

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Admin page

17

Welcome

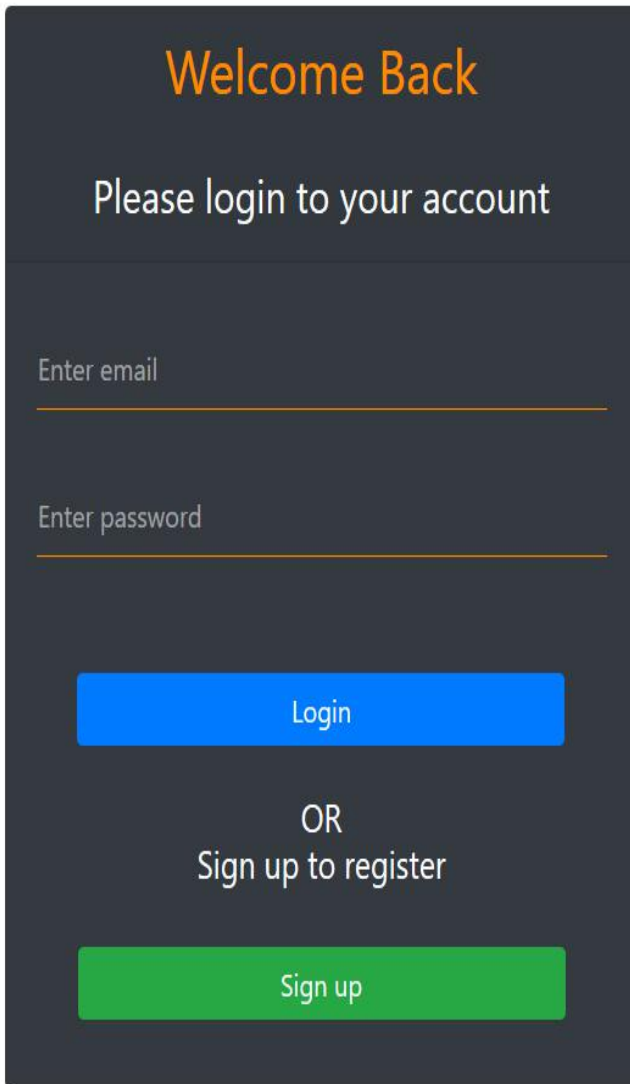## New user please login here

Firstname

Lastname

Enter email

Password

Confirm password

Mobile No

Signup

Login Page

Signup page

Conclusion

In this project we have successfully implemented the signup and login functionality, which will check all the constraints occur during the process. Also, the designing and styling part was successfully implemented with the help of CSS, Bootstrap and JavaScript. Admin side is successfully implemented in which admin can add user, view

all the registered users, find specific user and can delete the user. User update profile is also implemented successfully.

Limitation and Future Extension

Limitations:

We have not implemented the booking functionality. Instead we have provided the request callback facility. Details of the packages are static. Profile page of the user is still remaining to implement fully.

Future Extension:

- All the package details will be provided dynamically.
- Booking functionality will be provided.
- Payment functionality will be implemented.
- User authentication will be done using OTP at time of registration (Email Verification).
- Feedback system will be implemented.

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