

**MINI-PROJECT**

**(2020-2021)**

**TRAVEL & EXPLORE WEBSITE  
(Web Development)**

**PROJECT REPORT**

**Department of Computer Engineering &  
Applications**

**Institute of Engineering & Technology**



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**Submitted to :-**

Mr. Akash Chaudhary

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# **TABLE OF CONTENTS**

|  |           |
|--|-----------|
| <b>Certificate</b>                           | <b>4</b>  |
| <b>Synopsis</b>                              | <b>5</b>  |
| <b>Acknowledgement</b>                       | <b>7</b>  |
| <b>Abstract...</b>                           | <b>8</b>  |
| <br>   |           |
| <b>1. Introduction.....</b>                  |           |
| 1.1 Overview                                 | 9         |
| 1.2 Motivation                               | 9         |
| 1.3 Problem Statement                        | 10        |
| 1.4 Objective...                             | 10        |
| <b>2. Software Requirement Analysis.....</b> |           |
| 2.1 System Analysis                          | 11        |
| 2.2 Role of System Analyst                   | 11        |
| 2.2.1 Main roles of System Analyst           | 12        |
| 2.3 Users                                    | 12        |
| 2.4 Methodology                              | 12        |
| 2.5 Dependencies /External Systems           | 13        |
| 2.6 DFD                                      | 15        |
| 2.7 Use-case Diagram                         | 17        |
| <b>3. Implementation details .....</b>       | <b>18</b> |
| <b>4. Contribution Summary .....</b>         | <b>18</b> |
| <b>5. Tables .....</b>                       | <b>19</b> |

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|                              |           |
|------------------------------|-----------|
| <b>6. Project Work.....</b>  | <b>25</b> |
| <b>7. Future Scope .....</b> | <b>40</b> |
| <b>Reference.....</b>        | <b>40</b> |

## **Certificate**

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This is to certify that Kshitiz Gupta , Gopal Gupta , Divyansh Sharma and Amit Varshney students of B.Tech (CSE) 3rd year has successfully Completed the MINI PROJECT named Travel & Explore on Web Development under the Guidance of Mr. Akash Chaudhary During 2020-21.

**Signature:**

**Mr. Akash Chaudhary**

(Mentor)

## Project Information:

|                                |   |
|--------------------------------|---|
| Title Of Project/Training/Task | Last Hope   |
| Role & Responsibility          | <p>Kshitiz Gupta: Front-end and Back-end Developer</p> <p>Gopal Gupta: Front-end and Back-end Developer</p> <p>Divyansh Sharma: Front- end Developer and documentation work</p> <p>Amit Varshney: Front-end and Documentation Work</p>  |
| Technical Details              | <p><b>Hardware Requirements:</b></p> <p>Minimum Marshmallow version 7.0<br/>( for android )</p> <p>Pentium IV or higher, (PIV-300GHz recommended)</p> <p>Hard-Disk 250GB or more</p> <p>RAM 4GB or more</p> <p>Processor i3 (7<sup>th</sup> Gen)</p> <p>1024 x 768 Display</p> <p>Internet</p> <p><b>Software Requirements:</b></p> <p>SYSTEM SOFTWARE :-</p> <p>Operating System (Windows , Linux , MacOS )</p> <p>APPLICATION SOFTWARE :-</p> <p>a) HTML</p> <p>b) CSS</p> <p>c) JavaScript</p> <p>d) BootStrap</p> <p>e) MySQL</p> <p>f) php</p> <p>g) Github</p> <p>h)Xampp server</p> <p>i) Web Browser ( Google Chrome , Firefox , Safari , Mozilla , Internet Explorer )</p> |

### Summary of the Work:

During the completion of this project Travel & Explore we learnt about html5, css , javascript , ReactJS and Bootstrap.

**Gopal Gupta** is the designer of this project and completed some part of front-end & Back-end along with the documentation work required.

**Kshitiz Gupta** is the designer of this project and completed some part of front-end and back-end along with the documentation work required.

**Divyansh Sharma** is the designer of this project and completed front-end.

**Amit Varshney** Handles all the documentation work. And completed front-end.



## **Acknowledgment**

We have taken efforts in this project. However, it would not have been possible without the kind support and help of many Teachers . I would like to extend my sincere thanks to all of them.

We are highly indebted to Mr. Akash Chaudhary for his guidance and constant supervision as well as for providing necessary information regarding the project & also for his support in completing the project.

We would like to express my gratitude towards our parents & member of GLA University for their kind cooperation and encouragement which help us in completion of this project.



## **Abstract**

The report presents the three tasks that is being in continuation which are listed below:

1. Understanding of the Problem objective & implication.
2. Understanding of the data & building of the model.
3. Evaluation of the model.

All these tasks have been completed successfully and results were according to expectations. All the tasks needed a very systematic approach, starting from the collection of the data to the implementation of the solution and till evaluation of the System. The most challenging task was the domain knowledge, to understand the language. It is one of the major areas and really needs very fundamental and conceptual knowledge of HTML, JS, CSS, BootStrap and React JS.

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# 1.Introduction

## 1.1 Overview

All the functional/non-functional requirements, corresponding DFD's, UML and Use Case Diagrams have been organized in this report. Along with these designs, this report also contains the essential data of this project.

The complete description of the application followed by the functionalities has been listed initially. Later on, the Webpage has been described diagrammatically with the help of different designing tools like Data Flow Diagram, Use Case Diagram, Interaction Diagram and E-R Diagram.

## 1.2 Motivation

Idea behind this website is built to enhance the tourist in India and also their experience of trips , With the help of this website tourists are able to find better destination for their trips very easily , our motive is to provide all the facilities(places to explore , convenience , hotels ,etc) at the same place , in all over the India .It contains selected and popular destinations of country. We also suggest the best hotels at low prices with respect to our destination with all convenience which we select for our trip. We also add the information of best beaches, hill stations and Mountains for destinations worldwide. And adding location to respective destination.

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### 13 Problem Statement

In today's generation People love to travel too much but whenever they reached their destination they were not able to find a hotel or travelling areas at the cheapest rates.

So, we here make the website for those who want & love travelling too much at the cheapest.

### 14 Objective

1. This website is mainly for travellers.
  2. The main objective of the project is to enhance tourism.
  3. It will help tourists to find better destinations for their trips easily.
  4. Reliable and Efficient for users
  5. Our first approach for websites is to make the cheapest way for travel.
-

## 2. System and Requirement Analysis

### 2.1 System Analysis

System analysis is a process of collecting and interpreting facts, identifying the problems, and decomposition of the system into its components.

It is a process of studying a system in order to define its goals or purposes and to discover operations and procedures for accomplishing them most efficiently.

Here the problem is new students face a common problem of exposure. Most of the time, Travellers find it difficult to use proper websites that provide them with the cheapest price to travel.

So, we design a website which solves all these problems.

#### Role of System Analyst

The system analyst is a person who is thoroughly aware of the system and guides the system development project by giving proper directions. He is an expert having technical and interpersonal skills to carry out development tasks required at each phase.

#### 2.1.1 Main Roles of System Analyst:

Defining and understanding the requirements of users through various fact finding techniques.

Prioritizing the requirements by obtaining user consensus.

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Maintains analysis and evaluation to arrive at an appropriate system which is more user friendly.

Draw certain specifications which are easily understood by users and programmers in precise and detailed form.

Implement the logical design of a system which must be modular.

## 2 Users

The User of the web portal would be the Travellers (who have been signed up for the website) and Admin of this portal only.

## 3 Methodology

Our methodology is designed to help you take maximum advantage of the internet technologies. It incorporate all aspects related to our website and allows us to ensure that the final product is of the highest standards. Below are the steps we will take to ensure that all your deliverables are completed in time ,within budget also we will try to solve each and every problem efficiently.

### Requirements analysis

The first step for us is to analyze your and your target`s requirements. Who will be visiting your website, what will be the purpose of their visit, what is the primary goal of your website, how can your organization best cater to their needs etc. Many such questions are analysed for the Needs Analysis stage.

If we are given access to the current website statistics, we would also like to analyze your current page views, average user time spent on the site, top landing pages, existing search engine rankings, existing bounce rates and many such factors. We analyze your online target audience and assess your differentiation strategy to best attract and retain your online visitors.

Your website will also undergo comprehensive search engine analysis twice during the course of the project; once during this stage and once again after the deployment (Go Live phase) of your website.

## Website handover

Once the site is set up on your destination server, upon your approval we make the website live. One final set of testing is done on the live website for the quality assurance purposes. We then hand over the control of the site to you.

## 24 Dependencies/External Systems

### User Interfaces:

UI-1: The webpage shall permit complete navigation; including all the functionalities described above, starting from a simple login or registration to access the information, to go through the different web pages, to see the references. The website is universally accessible on almost all PCs and smart phones.

### Hardware Interfaces:

There are three external machines/devices used by the portal, each related to a user interface. These are a server machine at the admin end, hosting the portal, a PC at club's end, keeping log of the registration and membership entries made to them & providing them with an interface to do their part of

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functionality offered, last one is a PC or a smart phone at user's end to access the portal. The devices at the user end behave as terminals and not for storing any type of data. Also capable of taking user input. All orders and transactions should be stored on the server.

### HARDWARE REQUIREMENT (MINIMUM)

20 GB OF HARD DISK

Processor i3 (7<sup>th</sup> Gen)

1024 x 768 Display

Internet

Minimum Marshmallow version 7.0 ( for android )

Pentium IV or higher, (PIV-300GHz recommended)

Hard-Disk 250GB or more

RAM 4GB or more

Processor i3 (7th Gen)

### SOFTWARE REQUIREMENT-

#### SYSTEM SOFTWARE

- Operating System (Windows 7, Linux)

#### APPLICATION SOFTWARE

HTML ( front-end )

CSS

JavaScript (back-end )

BootStrap

MySQL (back-end )

php

Github

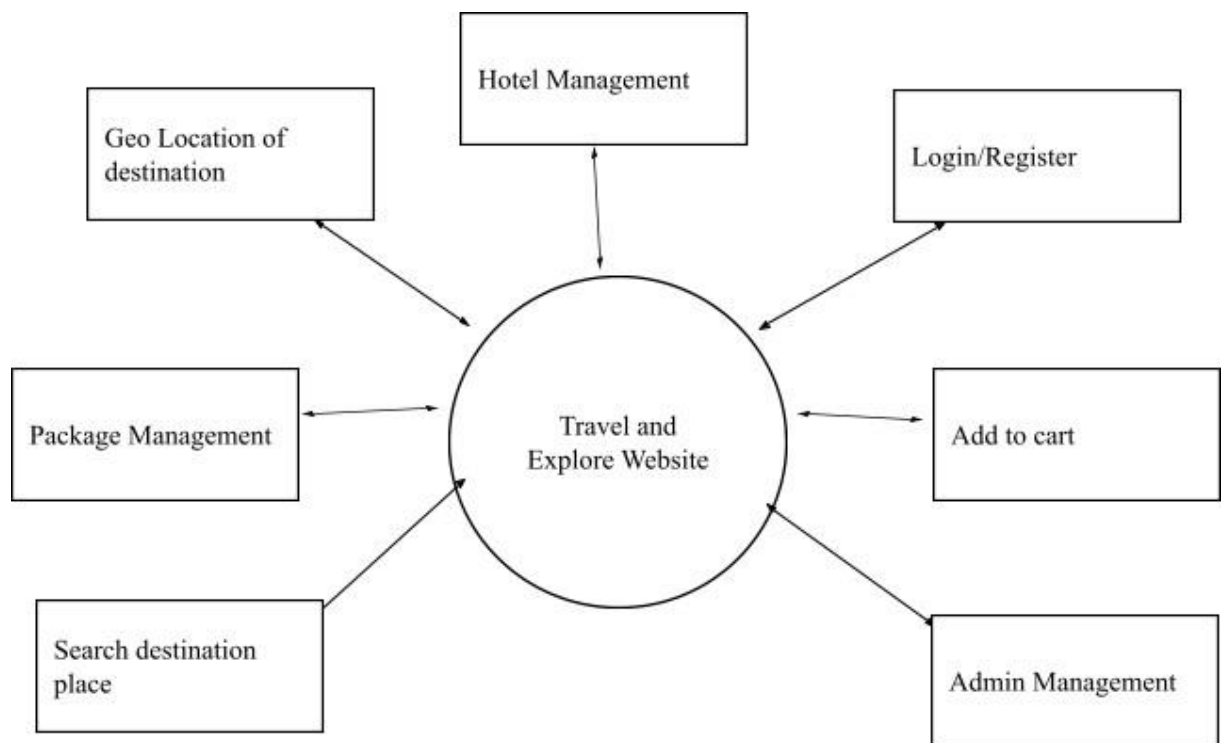
Xampp server

Web Browser :-

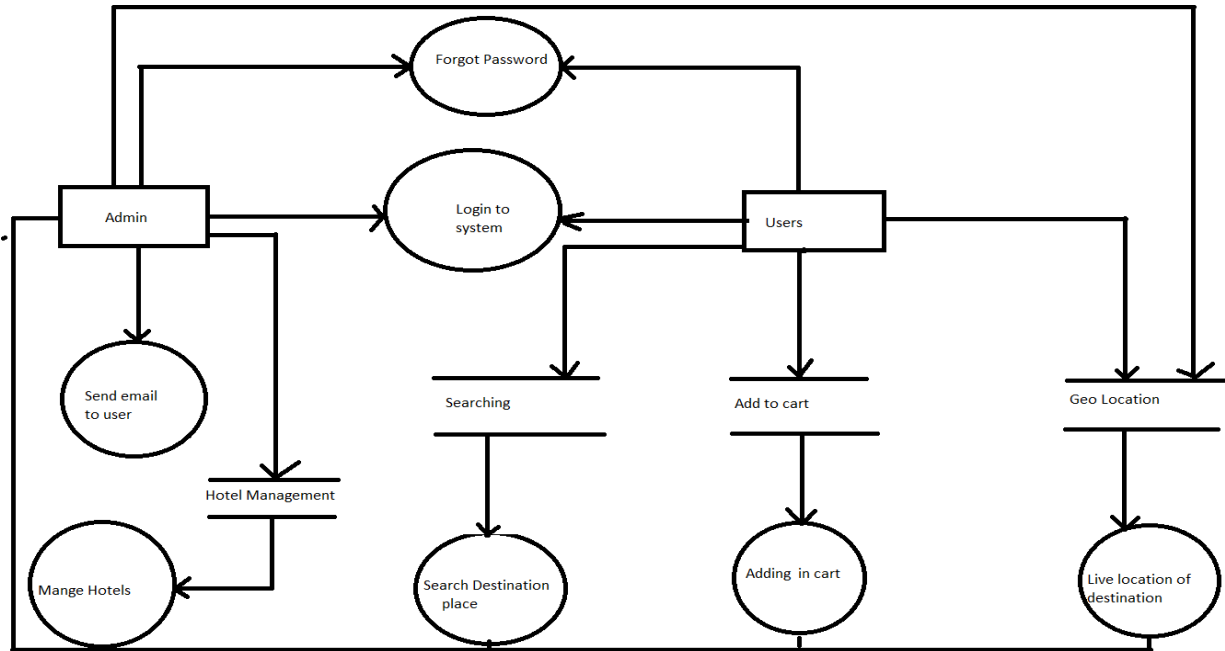
Google Chrome , Firefox , Safari , Mozilla , Internet Explorer

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## LEVEL 0 DFD



## LEVEL 1 DFD







### 3.Implementation Details

We are creating a website in which we are using HTML, CSS and other web development languages and for the backend , we are using Node js and express. For database, we are using Mongoddb.

### 4.Contribution Summary

OUR TEAM:

Kshitiz Gupta: Front-end and Back-end Developer

Gopal Gupta: Front-end and Back-end Developer

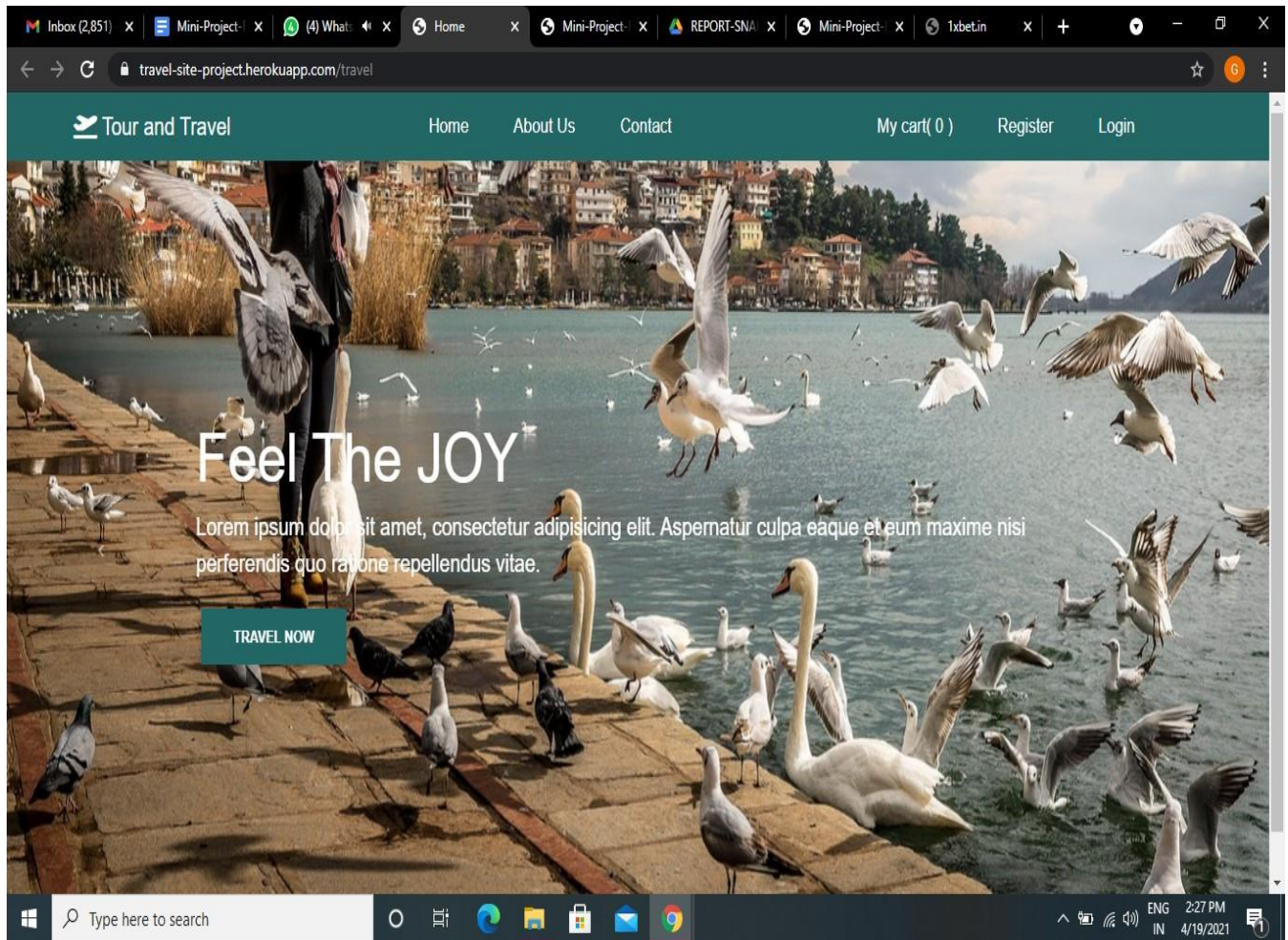
Divyansh Sharma : Front-end Developer

Amit Varshney : Front-end Developer

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## Project Work:



register.ejs - app22222 - Visual Studio Code

EXPLORER

OPEN EDITORS

- login.ejs views
- X register.ejs views

APP22222

- layouts
- adminfooter.ejs M
- adminheader.ejs M
- copyheader.ejs
- footer.ejs
- header.ejs M
- login\_header.ejs
- account.ejs
- all\_products.ejs M
- checkout.ejs
- index.ejs
- login.ejs
- messages.ejs
- page\_details.ejs
- product.ejs
- register.ejs

register.ejs X

```
views > register.ejs > ?
43 <label for="">Username</label>
44 <input type="text" name="username" class="form-control" placeholder="username">
45
46 </div>
47 <div class="form-group">
48 <label for="password"> Password</label>
49 <input type="password" id="password" name="password" class="form-control" placeholder="password">
50
51 </div>
52
53 <div class="form-group">
54 <label for=""> Confirm Password</label>
55 <input type="password" name="password2" class="form-control" placeholder="Confirm password">
56
57 </div>
58
59 <button type="submit" class="btn btn-default">Register</button>
60
61 </form>
62
63
64 <%- include ('layouts/footer') -%>
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

2: powershell

PS C:\Users\Lenovo\Desktop\app22222>

master\* 0 0 0

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF HTML Go Live

Type here to search

U: 0.00 MB/s D: 0.00 MB/s 13:47 24-03-2021

passport.js - travel-project-master - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

- TRAVEL-PROJECT-M...
- config
- JS auth.js
- JS database.js
- JS passport.js
- email
- JS account.js
- models
- JS page.js
- JS product.js
- JS user.js
- public
- bootstrap
- css
- img
- js
- css
- images
- js
- products\_image
- routes
- JS adminpages.js
- JS adminProducts.js
- JS cart.js
- JS pages.js
- JS products.js
- JS users.js
- OUTLINE

config > JS passport.js > ...

```
1 const bcrypt = require('bcryptjs');
2 var LocalStrategy=require('passport-local').Strategy;
3
4 const User=require('../models/user');
5 module.exports=function(passport){
6     passport.use(new LocalStrategy(function(username,password,done){
7         User.findOne({username:username},function(err,user){
8             if(err)
9                 console.log(err);
10             if(!user){
11                 return done(null,false,{message:'No user found'});
12             }
13             bcrypt.compare(password,user.password,function(err,isMatch){
14                 if(err)
15                     console.log(err);
16                 if(isMatch){
17                     return done(null,user);
18                 }else{
19                     return done(null,false,{message:'Wrong Password'});
20                 }
21             })
22         })
23     })
24 });
25 passport.serializeUser(function(user,done){
26     done(null,user.id);
27 });
28 passport.deserializeUser(function(id,done){
29     User.findById(id,function(err,user){
30         done(err,user);
31     })
32 });
```

Ln 1, Col 1 Spaces: 4 UTF-8 LF JavaScript

all\_products.ejs - travel-project-master - Visual Studio Code

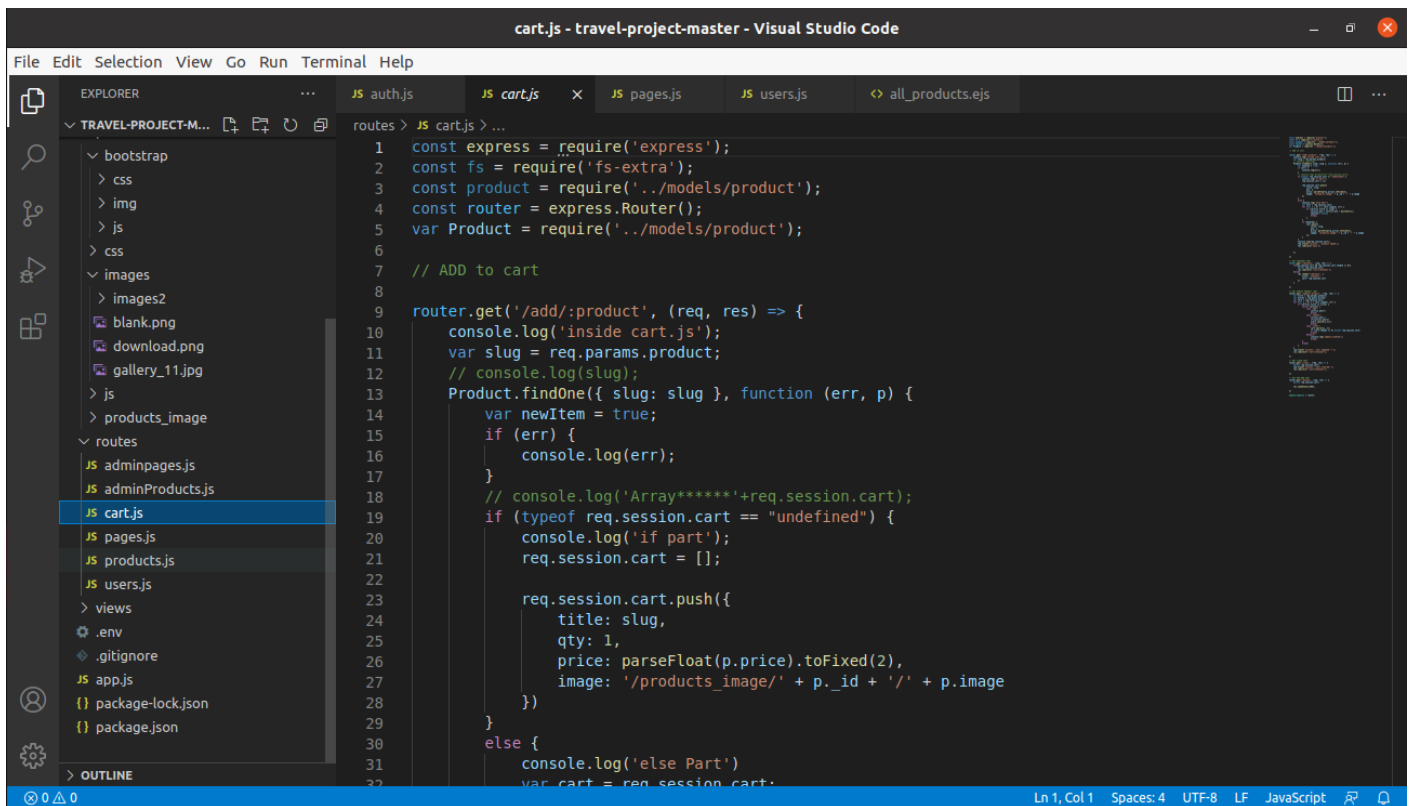
File Edit Selection View Go Run Terminal Help

EXPLORER

- TRAVEL-PROJECT-MASTER
  - pages.js
  - products.js
  - users.js
  - views
    - admin
    - layouts
      - adminfooter.ejs
      - adminheader.ejs
      - copyheader.ejs
      - footer.ejs
      - header.ejs
      - login\_header.ejs
      - account.ejs
      - all\_products.ejs
      - checkout.ejs
      - index.ejs
      - login.ejs
      - messages.ejs
      - page\_details.ejs
      - product.ejs
      - register.ejs
  - .env
  - .gitignore
  - app.js
  - package-lock.json
  - package.json
- OUTLINE

views > all\_products.ejs

```
1  <%= include ('layouts/copyheader'); -%>
2
3
4
5
6  <section class="section-2">
7    <!-- Let's Travel Anywhere -->
8    <span class="main-heading">Let's Travel Anywhere</span>
9    <div class="inputFeild">
10      <input style="font-size:15px;" type="text" placeholder="continents by kind" role="textb
11        onkeyup="searchByFeild()">
12      <input style="font-size:15px;" type="number" placeholder="costs" size="6" id="inp2"
13        onkeyup="SearchByCosts()">
14    </div>
15  </section>
16
17  <section class="section-3">
18
19    <div class="mainBlock">
20      <div class="result" id="display"></div>
21      <%=products.forEach(function(p){%>
22
23        <div class="underBlock" id="div-1">
24          <a href="/products/<%=p.slug%>">
26              <p><%=p.title%></p>
27              <p><%=p.price%></p>
28              <p><%=parseFloat(p.price).toFixed(2)%></p>
29            </div>
30          </div>
31        </div>
32      <%= } %>
```



# Let's Travel Anywhere

continents by kind

costs



Darjeeling

\$ 92.00



Gangtok

\$ 122.00



Calangute Beach

\$ 12.00



Lake Pichola

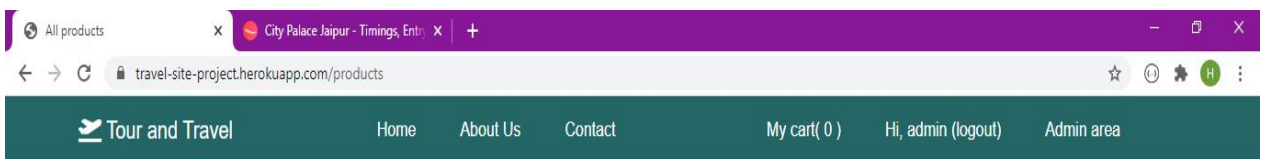
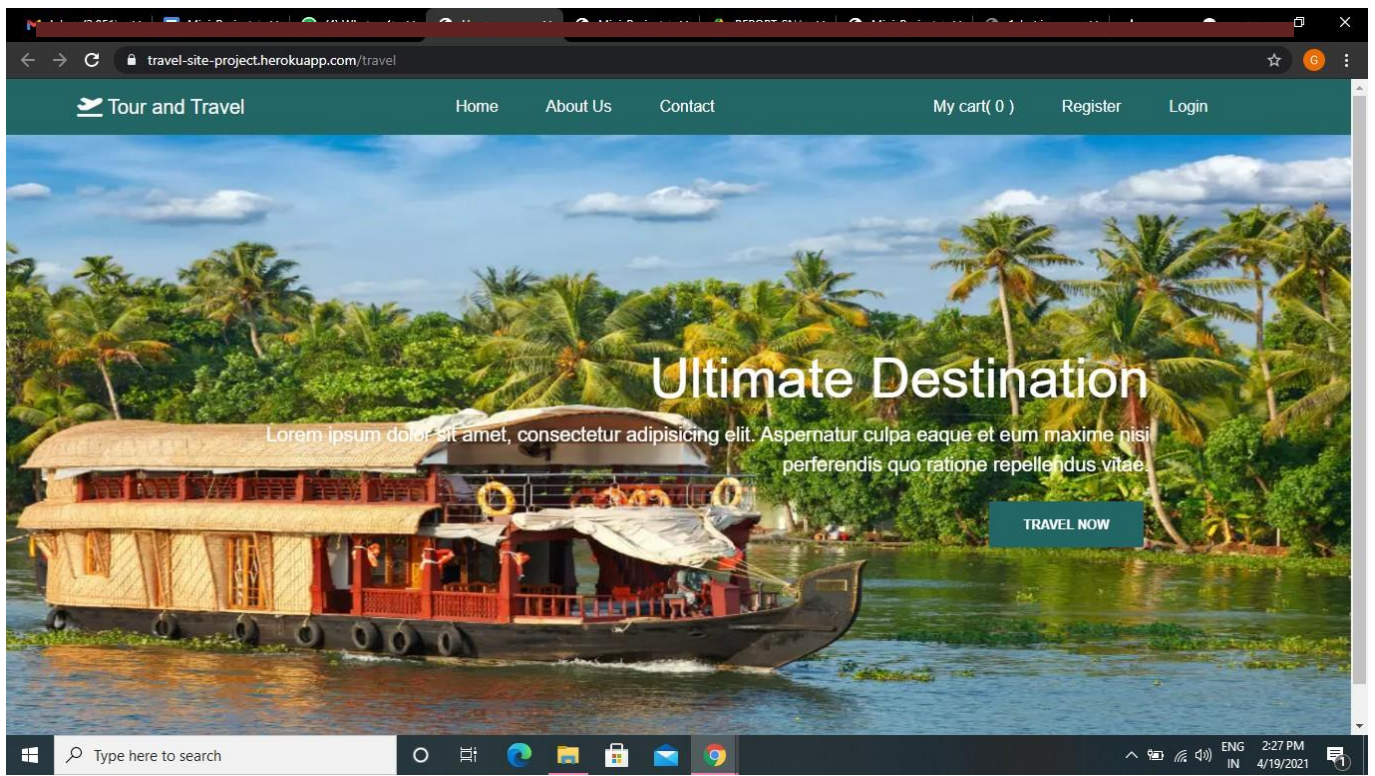
\$ 10.00



Agra

\$ 11.00





## Let's Travel Anywhere

continents by kind

33



## **Future Scope:**

Travel & explore is going to help the travellers who want to travel and can easily find their place and hotels at the cheapest price. Not only will it save time but all the options available under a single website will save lots of effort for them.

This will help them a lot as many times we don't get a source to get to know about this information.

## **References:**

[www.javatpoint.com](http://www.javatpoint.com)

[www.w3school.com](http://www.w3school.com)

[www.tutorialspoint.com](http://www.tutorialspoint.com)

[www.youtube.com](http://www.youtube.com)

[www.google.com](http://www.google.com)

**Faculty Guideline:**

- **Mr. Akash Chaudhary**