
MINI-PROJECT
(2020-2021)

Travel And Explore Website
(Web Development)

PROJECT REPORT

Department of Computer Engineering & Applications

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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 Mrs. Harvinder Kaur for her 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 co-operation 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 were need 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 need very fundamental and conceptual knowledge of HTML, JS, CSS, BootStrap.

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 contain 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

In today's generation students are more depended on the internet to find the solutions and notes and they often waste their time in searching notes and solutions so they have to visit different websites for finding proper notes and solutions to accomplish their needs. And we often find that some websites have some issue of downloading the notes and solutions and it is difficult to download. Or maybe it's difficult to get the sample papers with different sets and according to regions .

So, we come up with this idea of making a webpage for helping such student where they can find all the needed information at one place. This website is mainly for school level and college students and it Provides notes, solutions and sample paper. It's easy to download notes, solutions and sample paper on one click. And Students can easily get all the content of learning in free of cost.

The basic advantage of this project is that it is time saving as it saves the time of the student which was wasted in browsing the same information on different sites.

1.3 Problem Statement

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 best hotels at low prices with respected our destination with all convenience which we select for our trip. We also adding the information of best beaches, hill stations and Mountains for destination in World wide. And adding location to respective destination.

1.4 Objective

a.The main objective of the project is to enhance tourism.

b.It will help tourists to find better destination for their trips easily.

We download the content or study material from various website (websites are provides in references).

Next approach is to make our website attractive and easy to use .

Here comes the stage of implementation where we have to code and developing the required webpages according to the requirements.

After implementation , the most important is testing and to find the bugs in our website.

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, Students often waste their time in searching notes and solutions so they have to visit different websites for finding proper notes and solutions to accomplish their needs.

Some websites have some issue of downloading the notes and solutions and it is difficult to download. It's difficult to get the sample papers with different sets and according to regions.

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 requirement of user through various fact finding techniques.

Prioritizing the requirements by obtaining user consensus.

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

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

Implement the logical design of system which must be modular.

2.2 Users

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

2.3 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 setup 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.

2.4 Dependencies/External Systems

User Interfaces:

UI-1: The Snakbok webpage shall permit complete navigation; including all the functionalities described above, starting from a simple login or registration to access the company information , to go through the feedbacks given by placed students ,to see the references to study the specified subjects ,users can give their suggestion to the admins and to give a quiz of several subjects . The portal 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 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 order and transaction should be stored on server.

HARDWARE REQUIREMENT (MINIMUM)

20 GB OF HARDDISK

Processor i3 (7th 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

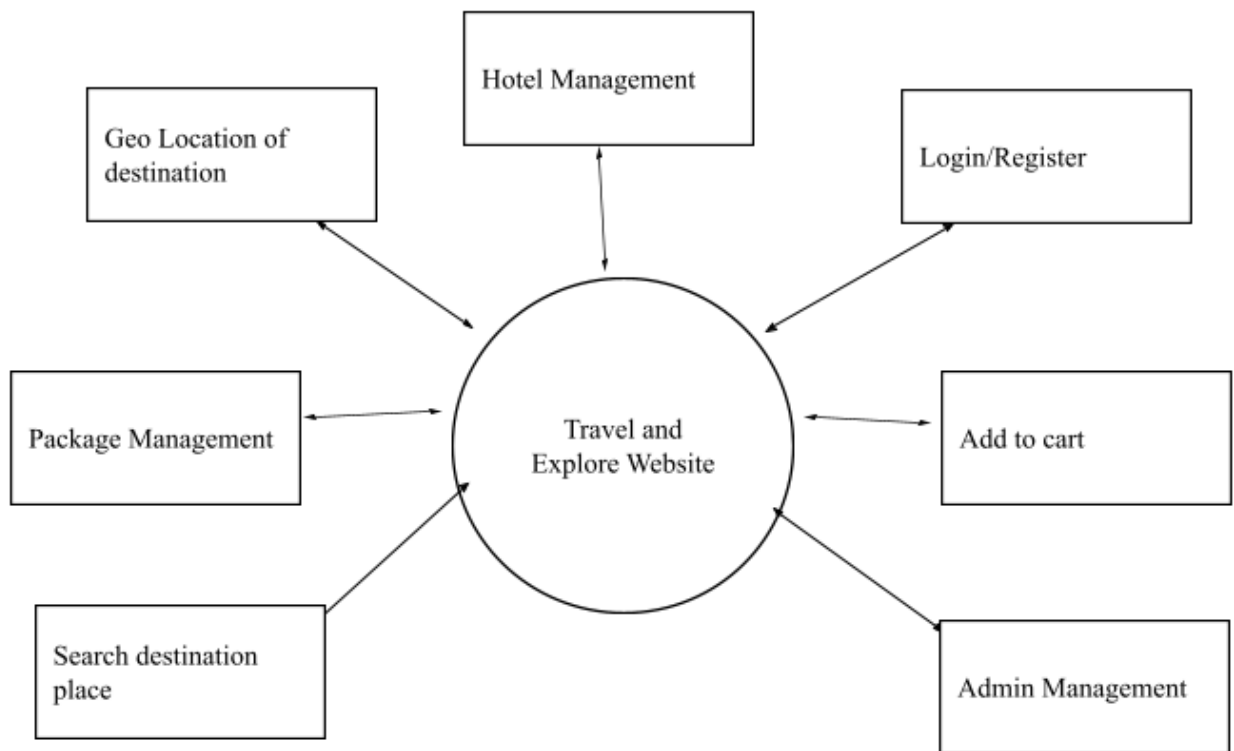
Xampp server

Web Browser :-

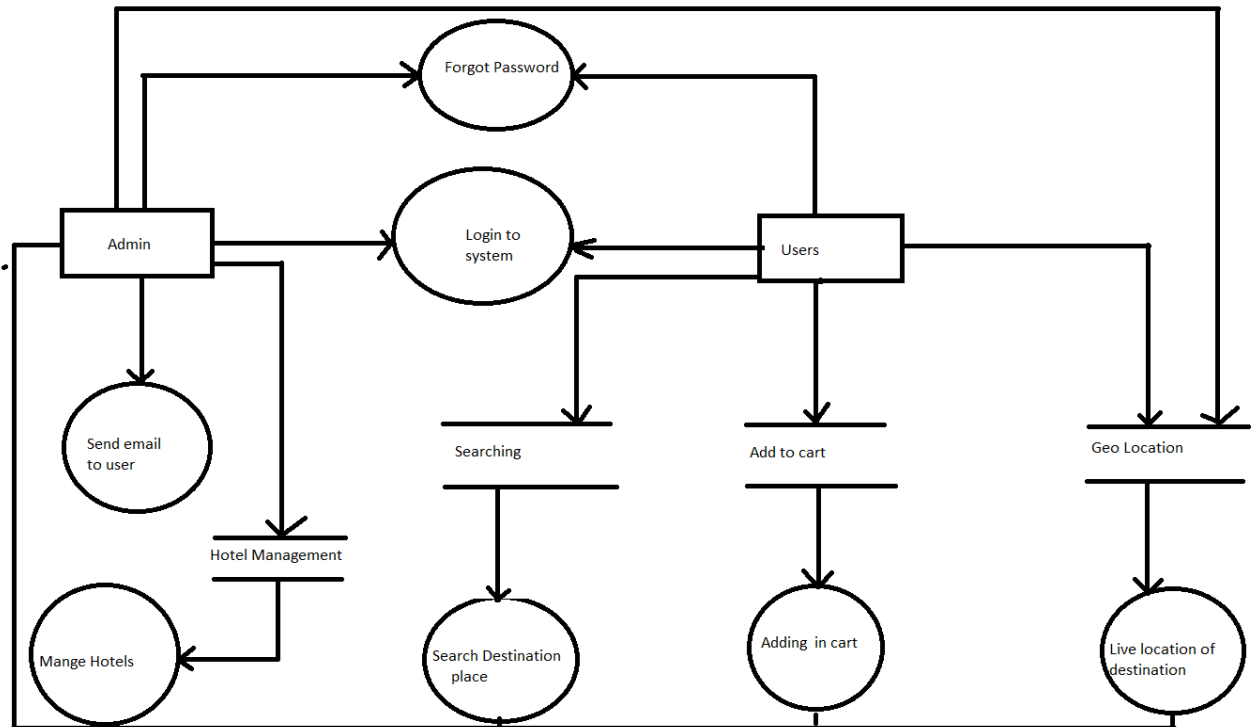
Google Chrome , Firefox , Safari , Mozilla , Internet Explorer

2.5 DFD

LEVEL 0 DFD



LEVEL 1 DFD



3.Implementation Details

I am creating a website in which i am using HTML, CSS and other web development languages and for backend , i m using Nodejs and Express.

4. Contribution Summary

OUR TEAM:

Kshitiz Gupta: Front-end and Back-end

Gopal Gupta: Front-end and Back-end

Amit Varshney: Front-end Developer

Divyansh Sharma: Front-end

```
login.ejs  X
views > login.ejs > form > div.form.template > span.Login
212 <form action="/users/login" method="POST">
213   <div class="form template">
214     <span class="Login">
215       Log in
216     </span>
217   </div>
218   <div class="form-group validate-input">
219     <input class="input100" type="text" name="username" onfocusout="myFunction(event)">
220     <span class="focus-input100" data-placeholder="Username"></span>
221   </div>
222   <div class="form-group validate-input">
223     <input class="input100" type="password" name="password" onfocusout="myFunction(event)">
224     <span class="focus-input100" data-placeholder="Password"></span>
225   </div>
226   <div class="forgot">
227     <span class="forgot">forgot</span>
228     <a href="#":Password?</a>
229   </div>
230   <div class="form-btn">
231     <button type="submit" style="border-radius: 30px;" class="login-form-btn">
232       Login
233     </button>
234     <div class="text">
235       <span class="txt1">
236         Don't have an account?
237       </span>
238       <a class="txt2" href="/users/register">
239         Sign Up
240       </a>
241     </div>
242   </div>
243 </form>
```



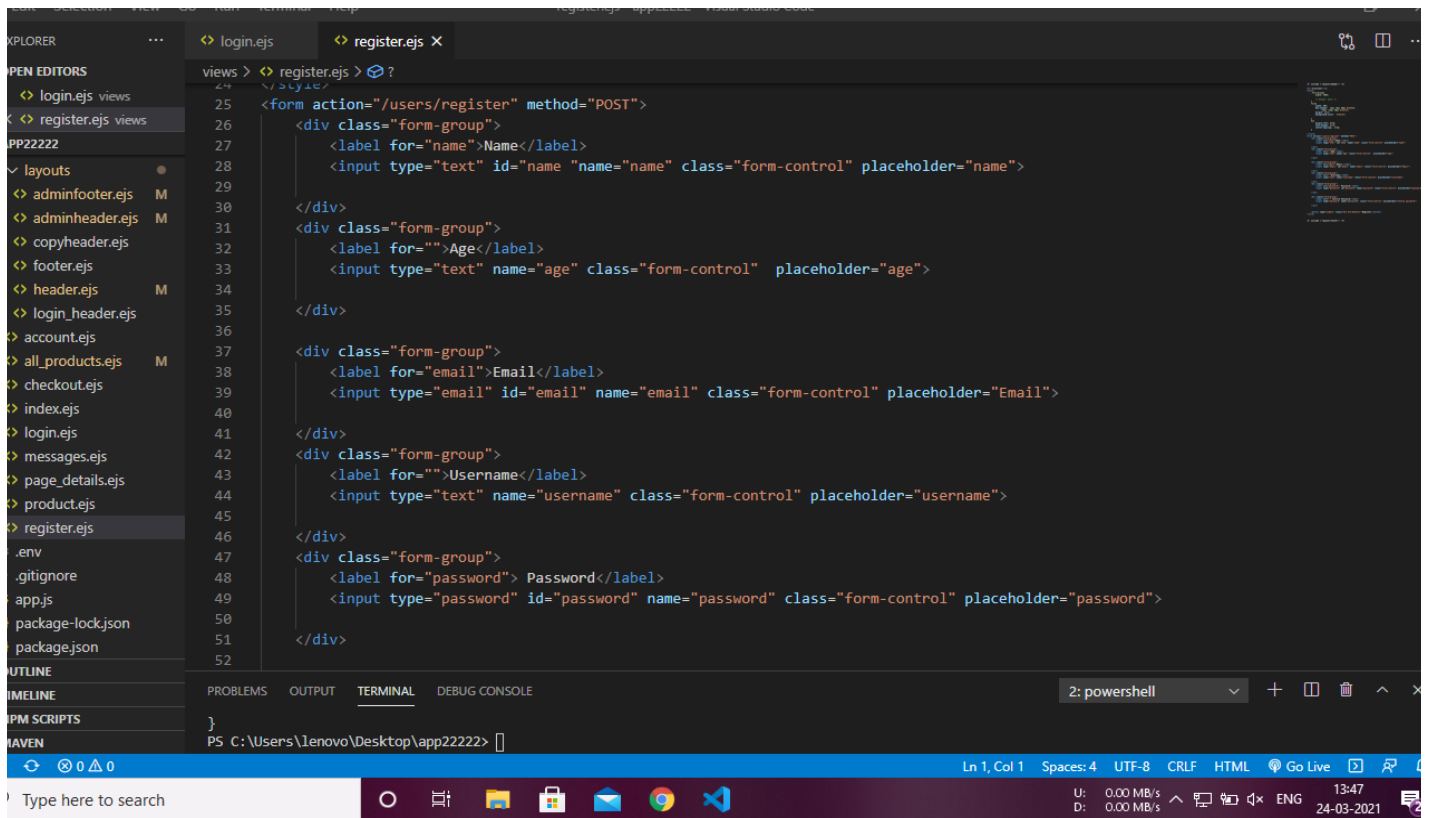
```
login.ejs  X
vs > <? login.ejs > ? > form > div.form.template > span.Login
3
4 <script>
5   function myFunction(event){
6
7     const name=event.target.getAttribute('name');
8     if(name == 'username'){
9
10      if(event.target.value != ''){
11        document.getElementsByClassName('focus-input100')[0].setAttribute("style","opacity:0.1;z-index:-1; filter:alpha(opacity=50)");
12      }else{
13        document.getElementsByClassName('focus-input100')[0].setAttribute("style","");
14      }
15    }else{
16
17      if(event.target.value != ''){
18        document.getElementsByClassName('focus-input100')[1].setAttribute("style","opacity:0.1;z-index:-1; filter:alpha(opacity=50)");
19      }else{
20        document.getElementsByClassName('focus-input100')[1].setAttribute("style","");
21      }
22    }
23  }
24 }
25
26 </script>
27
28 <%- include ('layouts/footer') -%>
29
```

Ln 215, Col 19 Spaces: 4 UTF-8 CRLF HTML Go Live

Type here to search

U: 0.00 MB/s
D: 0.00 MB/s

13:45
24-03-2021



Visual Studio Code interface showing the file explorer on the left, the editor window in the center, and the terminal at the bottom.

File Explorer (Left Panel):

- EXPLORED
- OPEN EDITORS
 - login.ejs views
 - 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
 - .env
 - .gitignore
 - app.js
 - package-lock.json
 - package.json
- OUTLINE
- TIMELINE
- NPM SCRIPTS
- MAVEN

Editor Window (Center):

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="Confin password">
56
57 </div>
58
59 <button type="submit" class="btn btn-default">Register</button>
60 </form>
61
62
63
64 <%- include ('layouts/footer') -%>
```

Terminal (Bottom Panel):

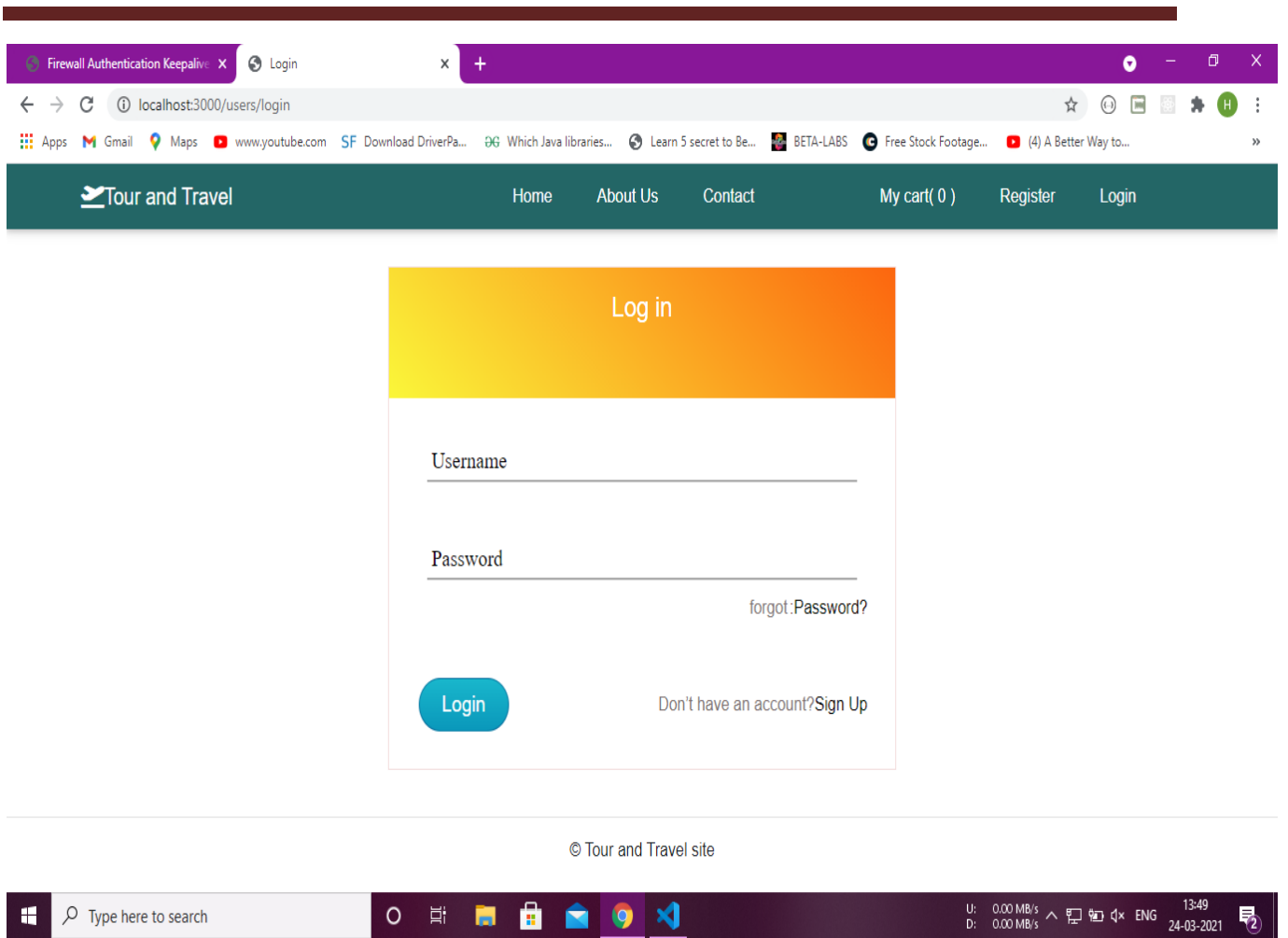
2: powershell

```
}
PS C:\Users\lenovo\Desktop\app22222>
```

Status Bar (Bottom):

master* 0 0 0 Ln 1, Col 1 Spaces: 4 UTF-8 CRLF HTML Go Live

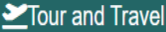
U: 0.00 MB/s D: 0.00 MB/s 13:47 24-03-2021



Firewall Authentication Keepaliv... x Register x +

localhost:3000/users/register

Apps Gmail Maps www.youtube.com SF Download DriverPa... OG Which Java libraries... Learn 5 secret to Be... BETA-LABS Free Stock Footage... (4) A Better Way to...

Tour and Travel

Home About Us Contact My cart(0) Register Login

Register

Name

name

Age

age

Email

Email

Username

username


Password

password

Confirm Password

Confirm password

Type here to search



U: 0.00 MB/s
D: 0.00 MB/s

13:49
24-03-2021

ENG

Future Scope:

Last Hope is going to help the student who wants to access notes, sample papers, ncert books, Syllabus and even B.tech notes. Not only it will save time but all the options available under single website will save lots of efforts 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

www.w3school.com

www.tutorialspoint.com

www.youtube.com

www.google.com

Faculty Guideline:

- **Mr. Akash chaudhary**