

NORTH SOUTH UNIVERSITY

Department of Electrical & Computer Engineering



CSE 299 (Section 5)

Group 7

Project Topic: Tourist Guide Website

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Acknowledgement

By mercy of the Almighty we have completed our junior design capstone project entitled “Tourist Guide Website”. Foremost, we would like to express our sincere gratitude to our advisor Tanzilah Noor Shabnam (TNS1) for his continuous support in our project progress throughout the whole Semester for CSE299 course, for his patience, motivation, enthusiasm and immense knowledge. His guidance helped us in all the time of research, writing and completing of this project. Our sincere thanks also go to North South University, Dhaka, Bangladesh for providing an opportunity in our curriculum which enabled us to have an industrial Level experience as part of our academics. Last but not the least, we would like to thank our family as their inspiration and guidance kept us focused and motivated.

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Problem Statement

There is hardly any project that didn't see the glimpse of failure, so did our project. Our project crumbled at times when faced certain decision-making problems. One of the issues we had with our project was we couldn't make it dynamic so we needed to find another solution. The remedy to our solution was creating a stable site with the addition of options to choose from. Another criteria that became harder to meet than we expected. So we decided to use PHP instead to connect the database with the local host. Lastly designing the perfect interface was also a problem we faced so rather than adding tabs into all the pages we decided to put navigation bar but in the homepage.

Introduction

General Overview

Tourist Guide Website deals with the problems that a person faces when planning to go out on a tour. For example – hotel reservation, Hotel facilities and Guide Selection etc. For our project, we have developed a web-based tourist guide website, which provides the user with fast and reliable communication between the tourist and a guide. It lets the user manage destinations and custom routes, book tickets online for both vehicles and hotels, and makes it easier and beneficial for customers and service providers altogether. In our website we added three users: guide who will provide a service towards tourist. A tourist who can use this website to select his chosen destination. We also provided a restaurant system where a tourist can view the advertisement of the nearby restaurants of his chosen destinations. It becomes easier for the travelers if they can book transports, hotels from only one website for their trip. Our goals are to make travelling easier and enjoyable. To creating our website, we had researched few existing travel websites in which we gathered some information which helped us to build our website. Besides we also used our own ideas. We have gathered ideas from online resources but implemented it on our own way. As this is a website, we used PHP language to function the back-end of our website. Our website is providing services towards tourist so in future we are thinking to add more features. To thinking about the user's perspective, we are planning to add reviews option, so when a traveler uses services from our website, he can share his experiences with us. Besides we are planning to make our website into mobile applications. Our website has some potential that is why we are planning forward to make it more dynamic in future.

Purpose

There are many travel agencies but they do not offer all the facilities. Some offer tour packages but they don't offer a transportation also many travel agencies don't offer guide. If someone wants to travel, that person needs some direction. Our aim is to provide every essential facility which is necessary for every user. In our website, we are providing a guide, who will guide tourist, we are also providing a restaurant option which is one of the unique features in our website. By providing the restaurant, a tourist can choose his/her favorite restaurant to eat.

Project Goal

The goal of our project is to make travelling a lot easier and less time consuming and as much hassle free as possible. It becomes easier for the travelers if they can book transports, hotels from only one website for their trip. Here, they get the facility of booking not only bus tickets, but also air tickets! We know, many tourists visit Bangladesh each year. They do not know much about our country. By using our website, they can explore many attractive places and can visit them instantly by choosing any of our readymade packages.

Most of us like to go on budget friendly trips. Again, people most often fail to go somewhere just because of not getting a low-cost travel plan for their family. If all of the transports and hotels are purchased separately, it will be very costly to bear for some family. That is why we planned our packages. Though these packages already save money, we offer 15% flat discount on first booking too.

Overview of the Project

In this system, we have three types of users which are tourist, guide and restaurant manager. After creating a profile by providing necessary information, tourists can proceed to book their package. They can also view restaurants and foods created by restaurant managers in specific cities. After booking a package, package details and tourist details will be shown in guide dashboard. Guides will also be able to see payment status and amount tourists paid. In the case of restaurant manager, restaurant managers can create restaurant account. After creating account, they can enlist foods by providing food details.

Project Details

Drawbacks of Present System

There are many travel websites. Each website provides their own unique features. In our website, we provided tour packages, where a tourist can choose his preferable package. Each package we are providing a guide who will help the tourist to sightseeing the chosen destinations. Many websites provide tour packages but not all of them provide guides. Sometimes travel becomes harder without a guide. It can be hard for a traveler to have a safe trip, if he/she faces troubles like having a transport issue or having a little knowledge about his chosen destinations. Here we are providing a guide who will help the tourist in safe travelling. In travelling sometimes tourists face food problems. It's harder to find a good restaurant while travelling. Not all the websites provide food service. This is our most unique feature, where we are providing a restaurant ad. When a tourist will choose his chosen destination, he/she will see the restaurants ads which are located in that area. It will save his/her time to search for a restaurant.

Product Perspective

When we built our project "Tourist Guide", our sole purpose was to come in aid of the one's who need a guiding hand to travel and admire the beauty of our country. Thus making its benefit to its peak was always in our head. So we created the features so that the traveler can get the most out of it. The website's main motivation was to reserve hotel and guides for the ones who are struggling to book from different websites and also struggling to compare between them. Would anyone want to use three different websites for booking guide, hotel and traveling ticket when we can offer them all at same place? The benefit of finding everything at one place and serving customers is what makes our project worth making. Apart from that we also provided multiple systems to book and reserve. This also takes out the struggle of payment method. Now, imagine you went to a place

to travel but in spite of enjoying the atmosphere you spend time on finding a suit place to eat. This time-consuming activity has been taken out of your brain by the addition of our restaurant management system. Now you will be able to see the best places to take a feast without struggling and wasting valuable time. This is highly beneficial considering how much time spend just to decide where to dine in. To sum it up our project is highly beneficial as it takes all the activity of tourism under one roof and creates solution in one place, removing the struggle and time of our beloved customers.

Detail Modules of the Project

In our website, three types of users will be able to sign up and login. These stakeholders are tourists, guides and restaurant managers. To sign up, tourists will have to insert their name, phone number, email address, address, password. After inserting these details, they will be redirected to tourist dashboard, where they will be able to see a list of cities. After clicking one of these cities, they will be able see a list of packages along with pictures, cost and attractions and in the navbar there will be a restaurant option. They can click one of these packages and they will be redirected to package details where they will be able to package name, places, where they will be taken to visit, package cost, guide name, guide's number etc. If they are interested to proceed, they can click 'Book now'. Then they will have to insert number of persons, date and transport, they want to use and click 'Submit' button. After clicking, they will be redirected to payment page, where they will find a number. In this number, they'll have to send 100% of the total package and transportation cost through Bkash, Nagad and Rocket. After sending money, they will have to insert the transaction money and mobile number, by which they paid the money. After inserting, they will have to submit. If all the inserted details are correct, the payment process will be

successful. In the tourist dashboard navigation bar, there are options like profile, booking history and logout. In the profile option, tourists will be able to see their information they provided. If they want to change any information, they can click 'Edit' and they will be redirected to edit profile page. In this page, they can change their name, address, phone number, email address, address, password. They can insert their profile picture. They can also delete their account. Then if they click booking history option, they will be redirected to booking history page. If they have booked any package previously successfully, those package details will be shown in this page.

Then guides can sign up by providing necessary information like name, phone number, address, email address, city and password. After successfully signing up, guides will be redirected to guide dashboard. In the package list, one guide will be assigned. When tourists select any package, they will have a guide assigned to that particular package. So, if a package is selected, tourist and package details will be shown in the guide dashboard, who is assigned to selected package. Like tourist dashboard, in the guide dashboard navigation bar, there are options like profile and logout. In the profile option, guides will be able to see their information they provided. If they want to change any information, they can click 'Edit' and they will be redirected to edit profile page. In this page, they can change their name, address, phone number, email address, address, password and city. They can insert their profile picture. They can also delete their account.

Restaurant managers can sign up by providing information like restaurant name, address, phone number, email address, description, city, password. After successful signup, they will be redirected to restaurant dashboard. In the restaurant dashboard navigation bar, there are options like add food and logout. After clicking 'Add Food' option, they will be redirected to food enlist page. There they will have to insert food name, image, cost and description. After successful food enlistment, these details will be shown on the restaurant dashboard.

List of Software's

The software's that we used to make this project are XAMPP and Atom Text Editor. Here is a little bit about this software's and their functionalities –

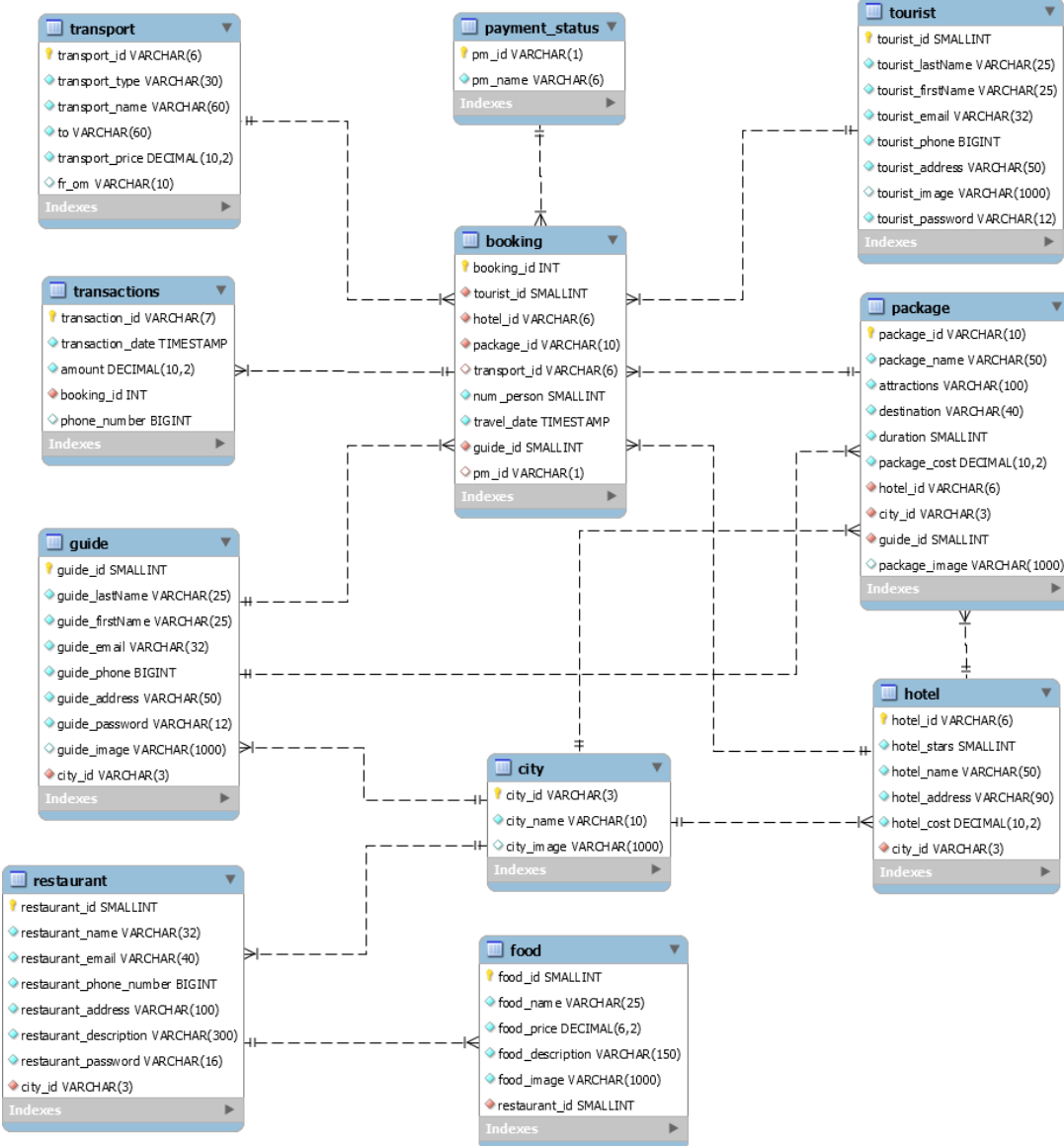
XAMPP – XAMPP is a software which provides us with Apache web server, MySQL database, php and Perl all in one. This software is really handy for doing web-based project related with php and html as it grants the opportunity to use PHP my admin. This grant GUI tools for MySQL database.

Atom Text Editor – Atom Text Editor, as the name suggest is a helpful tool for writing texts. But unlike other common text editor it is built especially for code purposes. As suggestions for Html, CSS and Php code are auto generated their it really minimizes the effort of finding errors one by one.

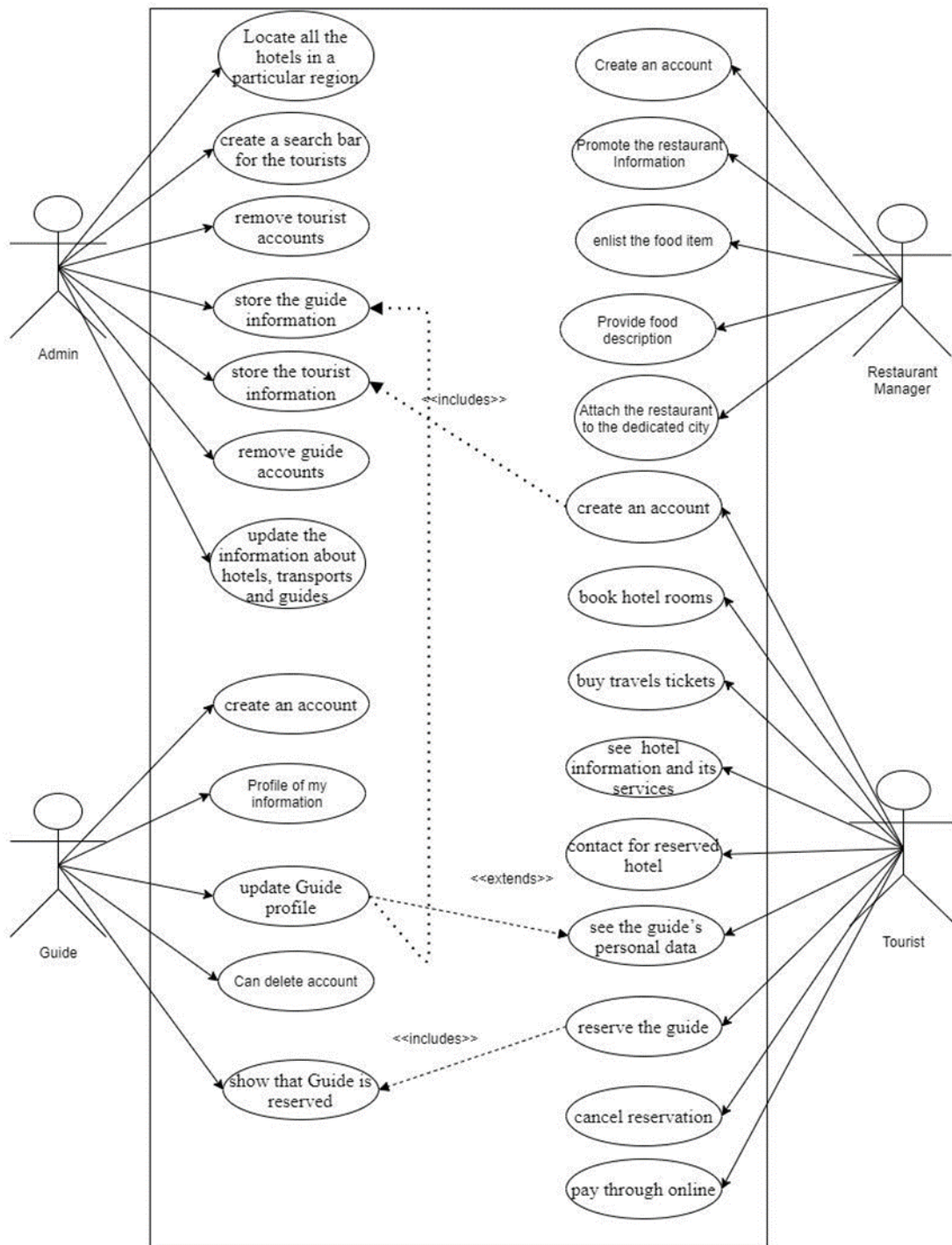
Target User Characteristics

Our target users are the ones who are looking for a quick search to go on a tour to their favorite destination. Anyone who is up for a quick search wouldn't want to waste time scrolling. So we decided to make our website as user-friendly as possible. However the website is based on the language of English and we haven't yet added the multi-language functions. So user must know the basic form of English to access the web page. Apart from that no other skill is needed to use our software. It has similarity to all the popular Webpages in functionality so anyone who is comfortable with web browsing will find our website to be a delight.

ER Diagram



Use Case Diagram



Project Management

Assigned Tasks

We have divided the entire semester to complete the project in below ways –

Shaikhul Fuad

- Home Page (Frontend)
 - Signup
 - Places
- Tourist Registration (Frontend + Backend)
- Restaurant Login (Frontend + Backend)
- Guide Profile Card (Frontend + Backend)
- Edit Profile for Guide (Frontend + Backend)
- Data insertions and collections of city, packages, hotels and transportations
- Information fetched from Database
- Booking history (Frontend + Backend)
- Guide Dashboard (Frontend + Backend)
- Footer

Sayeed Miner

- Home Page (Frontend)
 - Functional Cards
 - Contact Info
- Guide Registration (Frontend + Backend)
- Tourist Login (Frontend + Backend)
- Restaurant Profile Card (Frontend + Backend)

- Edit Profile for Restaurant (Frontend + Backend)
- Data insertions and collections of city, packages, hotels and transportations
- Information fetched from Database
- Payment (Frontend + Backend)
- Restaurant Dashboard (Frontend + Backend)
- Privacy

Md Zahidul Haque

- Home Page (Frontend)
 - Login
 - Know us
- Restaurant Registration (Frontend + Backend)
- Guide Login (Frontend + Backend)
- Tourist Profile Card (Frontend + Backend)
- Edit Profile for Tourist (Frontend + Backend)
- Data insertions and collections of city, packages, hotels and transportations
- Information fetched from Database
- Booking (Frontend + Backend)
- Tourist Dashboard (Frontend + Backend)
- Terms and condition

Individual Week Wise Work

Project Start: 26-Jul-21
 Today: 13-Sep-21
 Display Week: 1

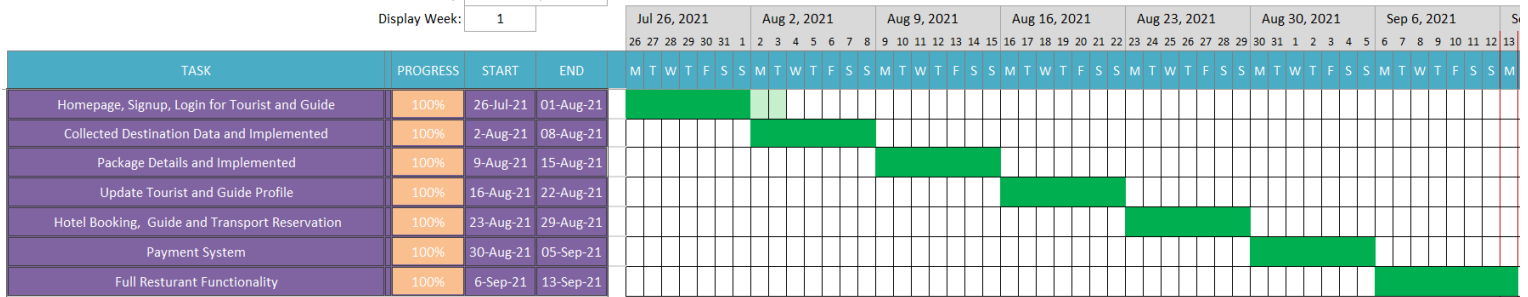


Figure: Gantt Chart

Week No.	Task	Name	Individual Tasks
1	Homepage, Signup, Login for Tourist and Guide	Shaikhul Fuad	Homepage (Signup, Places)
		Sayed Miner	Homepage (Functional Cards, Contact Info)
		Md Zahidul Haque	Homepage (Login, Know us)
2	Collected Destination Data and Implemented	Shaikhul Fuad	Data insertions and collections of City, Tourist Places
		Sayed Miner	Data insertions and collections of City, Tourist Places
		Md Zahidul Haque	Data insertions and collections of City, Tourist Places
3	Package Details and Implemented	Shaikhul Fuad	Data insertions and collections of package fees, hotels details and transportations
		Sayed Miner	Data insertions and collections of package fees, hotels details and transportations
		Md Zahidul Haque	Data insertions and collections of package fees, hotels details and transportations
4	Update Tourist and Guide Profile	Shaikhul Fuad	Update Tourist Profile
		Sayed Miner	Update Guide Profile
		Md Zahidul Haque	Tourist & Guide Profile connected with Backend
5	Hotel Booking, Guide and Transport Reservation	Shaikhul Fuad	Hotel Booking
		Sayed Miner	Guide Reserve
		Md Zahidul Haque	Transport Reserve
6	Payment System	Shaikhul Fuad	Payment Frontend
		Sayed Miner	Payment Backend
		Md Zahidul Haque	Payment Verification

7	Full Restaurant Functionality	Shaikhul Fuad	Restaurant Manager Signup
		Sayed Miner	Restaurant Manager Login
		Md Zahidul Haque	Restaurant Manager Add Food Item

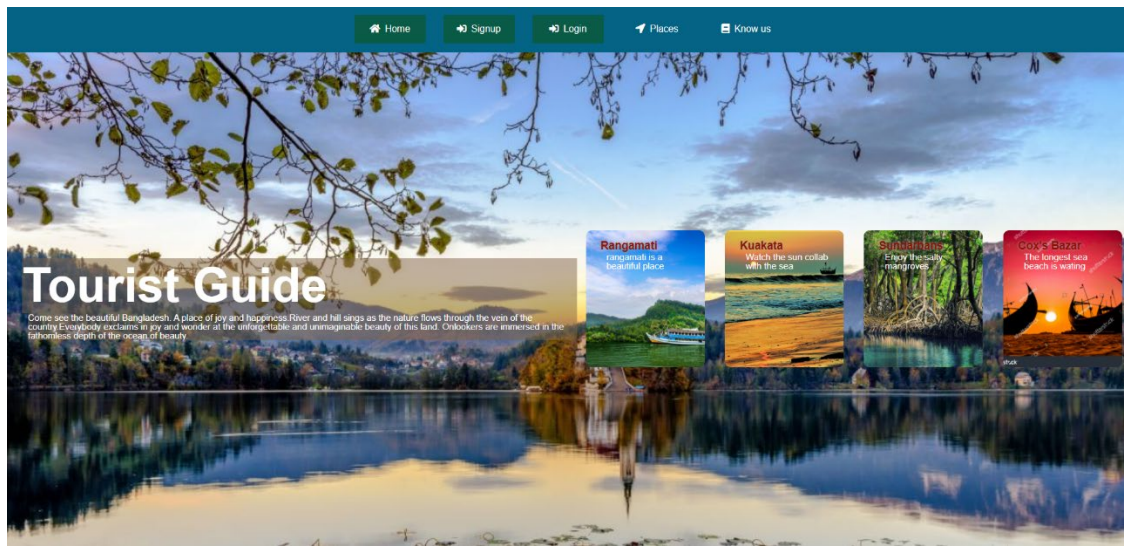
Code

Here is our project entire code file uploaded in the google drive –

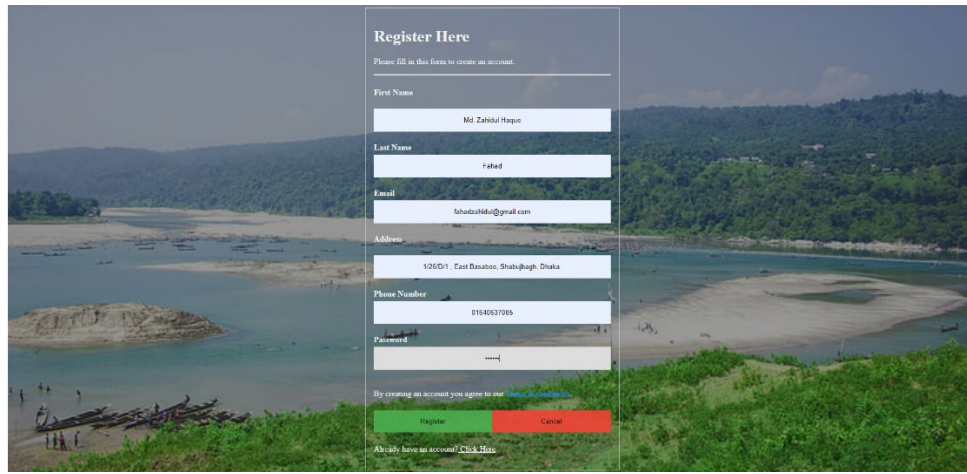
https://drive.google.com/drive/folders/17xX_HM8dlsv70UkCYNILAAVmNw8oqId8?usp=sharing

[ng](#)

Snippet



Homepage



Register Here

Please fill in this form to create an account.

First Name
Md Zahidul Haque

Last Name
Fahed

Email
fahedzshahid@gmail.com

Address
126D1, East Dasataba, Shatikpugh, Dhaka

Phone Number
0164637005

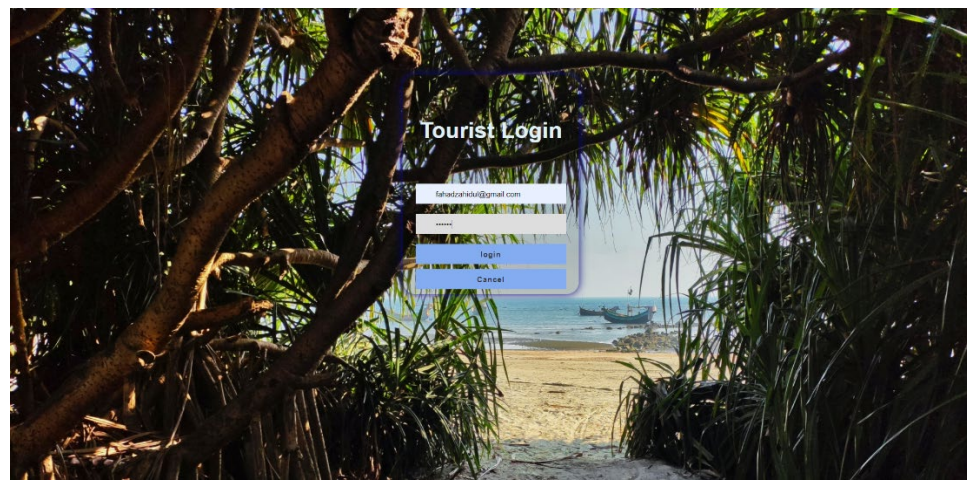
Password

By creating an account you agree to our [Terms & Conditions](#).

Register Cancel

Already have an account? [Click Here](#)

Registration



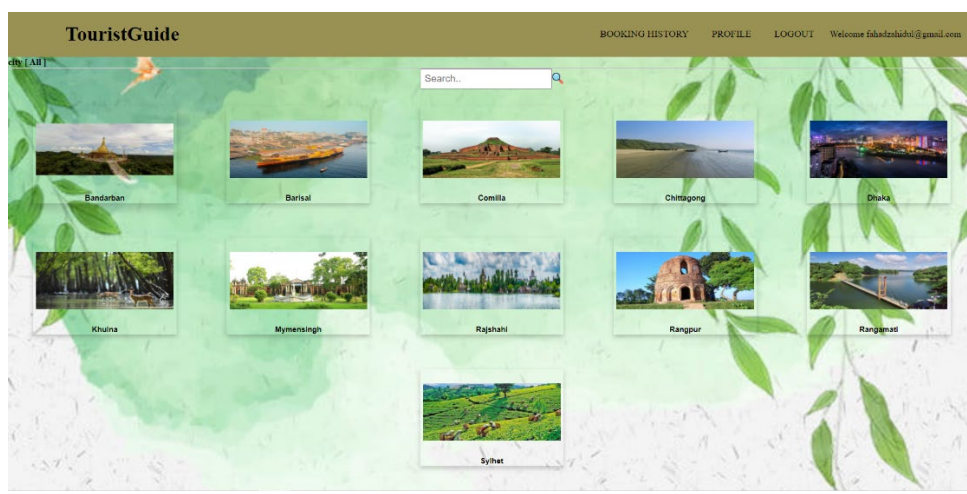
Tourist Login

Email
fahedzshahid@gmail.com

Password

Login Cancel


Login



Dashboard



TouristGuide

HOME LOGOUT fahadrahidul@gmail.com



Name: Md. Zahidul Haque Fahad
 Email Address: fahadrahidul@gmail.com
 Phone Number: +8801677696840
 Address: 1/26 D/1, Modina Masjid Goli, East Basaboo, Shabuj

Edit

[Terms And Conditions](#)
[Privacy Policy](#)

Profile

TouristGuide

HOME LOGOUT sayeedhinner12@gmail.com

Restaurant Info

Pizzaburg


Sonadanga,Khulna

Contact us at:
 +8801214547841
 or
 pizzaburg@gmail.com


About us: Best pizza in khulna

Food details


Please check the list




Pizza
 Price: 300.00
 Description: This is good food. Made with chicken.



Spaghetti
 Price: 300.00
 Description: Italian style.



Fried Rice
 Price: 300.00
 Description: Less oily. Made with chicken, egg and mashrooms.



Ice Cream
 Price: 150.00
 Description: Very tasty

Restaurant Info

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Conclusion

All in all, the project is mostly devoted toward the tourists who are looking for a place to travel but lack the information that they need and also the procedure as well. Our website hand picks the best traveling areas of the country then locates the hotels in that area. Furthermore, the website allows user to book those hotels along with guide information which makes the tour more soothing and relaxing. We also have managed to develop a restaurant system which suggest the tourist the best meal that they can afford in a particular location which makes travel even easier as the tension of feeding the tummy moves out.

Future Direction

Our project is still in development and there are lots of ideas roaming around our head which we are yet to implement. So, there are lots of space for improving our project as it has a great potential. For example, we would like to add chat system, where a tourist can communicate with guide. User's reviews are very important in a website. So, we are planning to add feedback options where a user can share their experiences about our website, which will help us to understand our drawbacks and will help to make it more user friendly in future. We will also provide a google map, which will help to pin point the location of the destination and we will use the track options of guides and tourists, which will be easier for them to keep tracking. In future, we will develop the mobile applications of our website. It will make our website more dimensional.

References

Since we didn't have all the skills and learning is also an essential part of this course. We took this opportunity to learn a few things from YouTube, Google and Udemy to add more reserves in our arsenal.

YouTube: We learned the basics of PHP and connecting the database with local host from tutorials and videos recommended on YouTube.

Google: Apart from that we also took help of Google and Stack overflow to aid us whenever we faced errors.

Udemy: We took a course on Udemy as well to build an overall knowledge over CSS and HTML which we later on used to design and give our webpage the finesse.