



NORTH SOUTH UNIVERSITY
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

PROJECT PROPOSAL

“ONLINE TOUR GUIDE”

DATABASE SYSTEM LAB
CSE311L
SECTION: 1,2
SEMESTER: FALL 2020

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Introduction

Bangladesh is a place of great tourist attraction. But if someone wants to travel through different place, he/she has to go through a lot of trouble finding the right place, transport and booking a hotel within their budget. This web application will be a one-stop solution for the travel-loving people as well as efficient and beneficial to the transport and hotel owners. This web application will have list of tourist places, transport system and hotel rooms - all in one.

Objective

- To gather a good idea of popular tourist spots in Bangladesh from home.
- Show approximate budget of a tour plan.
- Booking hotels.
- Selecting transport service per budget.
- To collect review from consumer about transportation, hotel service, tourist spot and tour plan.

Target Customers

- Local and International Tourists – People who will use the service to travel across available tourist spots. They will have suitable transport option and hotel rooms.
- Transport and hotel owners – Transport and hotel owners will be able to sell tickets and book rooms according to customers preference providing the necessary information.

Value Proposition

This website will reduce the bothering and time of going to a bus stop and constantly ask them for booking a seat in bus. Similarly, it will reduce the bothering of finding suitable hotel rooms in budget after reaching the destination. Transport and hotel owners will also know in advance about the coming passengers. So, it will save a lot of time and effort.

Web Application Feature and description

The web page will open with the customer view at first. It will be general view and anyone accessing the domain will be able to view it. The customer will be able to register and login. It will show available tourist spots, transport options and hotels. Once a passenger has created an account, he/she can:

- Click on a tourist spot and plan according to his budget.
- Check available transportation and hotel and choose from the options.
- Book tickets and hotels for his/her desired time period.
- Rate or give suggestions.
- See the information of their bus, driver, hotel room.

Tools and Resources

HTML

JavaScript

MySQL

PHP

Web server

API for sms (In Future)

Challenge

One of the biggest challenges is storage as there will be huge data like images, storing information of login, ticket, hotel rooms. And as there is a huge load, the maintenance cost will also be on the higher side. Third challenge will be the verification of data. We will need to check if the data entered are reliable or not. Fourth challenge will be manpower as maintaining this web application is work of a good amount of people. Last but not the least, UI should be simple and attractive so that people of all ages find it easy to use.