## DESIGN AND DEVELOPMENT OF WEB APPLICATION ON

## "SMART HUNTING TOUR PARTNER PLATFORM"

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering

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**APPROVAL**

This Project titled

**"SMART HUNTING TOUR PARTNER PLATFORM"**

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To the Department of Computer Science and Engineering, Daffodil International University has accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 5 December 2020.

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# DECLARATION

We hereby declare that this project has been done by us under the supervision of **Tasfia Anika Bushra**, Lecturer, Department of **CSE, Daffodil International University**. We also declare that neither this project nor any part of this project has been submitted elsewhere for the award of any degree or diploma.

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# ABSTRACT

The Project "Tour Buddy" is an online project made with PHP and Laravel. The main concept of this website is to find tour partners around our country. The purpose of this website is to find suitable tour partners, travel to beautiful places, and an affordable budget for these places in Bangladesh. The admin can accept or delete the pending post of the registered members and also accept or decline the application of a tourist guide by seeing their CV of this site. The unregistered members show the post only but when the unregistered person is registered then they connect the tour post, they also create post and blog, edit that. One member can rate another member on their attitude, personality, and cooperation after completing the tour. In that case, when registered members create a new tour post again and another or new members can easily justify by their rating and also can decide about that tour. They also can find their favorite tourist guide from this site. There has a filtering system and it is related to about some options which contain as from starting place to destination place, from starting date to ending date and budget. The members can easily find their desirable places, times, and budget by using this filter. GUI which is developed using PHP. On the website, a new admin can be a sign in and create an account and customers can also sign in to the website. The database of this website is very nice. The website has a beautiful banner gallery and blog about travel. The website has a contact us form so that members can contact. The website also has google maps. People can introduce themselves to one another and invent new tourist places. The people of these tourist places can earn money from those tourist places. So we need smart websites so that people from all over the country easily can find their suitable tour partners by using our website.

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**CHAPTER 1 INTRODUCTION**

* 1. **Introduction**

It is the Website named "Tour Buddy" which will help the member to find their tour partner, tourist guide to doing before planning about their tour anywhere around the country. It will also help them to catch desirable tour places and flexible dates, time, and budget also. It can suggest to you the best tour partners in the country. This website has an admin panel where the admin can log in, register, and also can approve or decline the travel and blog post also the tourist guide and design the site.

## Welfare's of the Project

* + - It helps to find a tour buddy.
    - Tour places can be searched easily with desirable dates, time, and budget.
    - It helps to find a favorite tourist guide.
    - You can know the new tour location, price range, facilities and how much

popular.

* + - Faster processing time and more accurate data for travel member requests.
    - Major technical upgrades to arrange tour mates and places easily.

## Motivation

The total concept of that task began through a little illustration that was pooled with us within one period of class, why not a mission to represent course making easier so that the student does not be disappointed? Therefore, the teamwork was formulated to see the Emergency Guidance along with to estimate the user's knowledge, attitude, and perceptions of the environment. Our honorable teacher motivates us to build a wonderful project like this. It would be a handy tool for anyone. Besides, we developed the application online so that anyone could have used it easily.

## Goal Of Our Mission

To attain this aim we will,

* + - By this site, the members can easily choose their tour partners.
    - Members also easily can find their desirable starting and destination places.
    - Also easy to find members flexible date and time.
    - They also can choose their affordable budget to connect their desirable tour places.
    - Members can know the particular position of tourist places.
    - It helps to find out the new tour places and members.

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## Methodology

The methodology for "Tour Buddy" was founded on the Strategies given below:

* + - Collect data from registered members.
    - Collection of different types of a blog from different members.
    - Connect a member with another member through a filter process.
    - Admin can control the entire system and also can choose the appropriate tour posts, blog posts.
    - Admin also can choose the proper expert guide through a CV collection process.
    - Report Preparation
    - Coding
    - E-R Diagram modeling
    - Use Case

## Summary

Using this system, users will be capable to contract their appropriate tour partners and their desirable tour places by knowing the tour posts and members' ratings. This website "Tour Buddy" will bring all the information to arrange a tour and also can bring the tour related blog posts. It also can help to find out a proper tourist guide.

# CHAPTER 2

**"Tour Buddy"**

**SMART HUNTING TOUR PARTNER PLATFORM**

## Overview of the Project

It is the Website named "Tour Buddy" which will help the members to find the appropriate tour partners and the expert tour guide to what to do before planning a tour for anyone, anywhere. It will also help them to catch new tour places where they never made a tour before with unknown persons. It will also help to introduce with the unknown persons and tourist guides for the first time. It can suggest user select their desirable tour places and flexible date, time, and budget in Bangladesh to visit. This website has an admin panel where the admin can log in, register, and also can create, add, delete, modify pictures and design.

## Application Feature

There are mainly four type of Feature

* + - Admin panel
    - Post and blog
    - Member rating
    - Filtering system
    - Google Maps
    - Registration System of both Admins and Tour Members.
    - Tourist guide
    - Contact form

## Admin Panel

On my website "Tour Buddy" There is an Admin panel. Where admin can register and login and can control the whole website. The admin panel is designed so nicely so admins don't need to write any code to upload an image in the database or upload or delete any types of information. Admin can easily use the entire system and accept or delete the related information and also add the beautiful slider.

## Post and Blog

The registered members can create and edit the post. One member with connecting with another member by seeing those types of posts. The registered members can create and edit a blog. Another member can know about the tourist places and also know the other member's travel experiences by reading the blog.

## Member Rating

One member can rate another member by their attitude, personality, and cooperation after completing the tour.

## Filtering System

By using a filtering system any kind of persons to search their desirable starting and destination places with their flexible date and budget.

## Google Maps

On this website, I also add a google map so that tourists can find the tour place easily and never get lost.

## Registration System of both Admin and Tour Member

We have a registration and login system for both admins and the tour member.

* + 1. **Tourist Guide**

Anyone can apply to become a tourist guide.

**2.2.8 Contact Form**

Anyone can contact the admin panel through the contact form.

## 

## 2.2.9 Development Language & Database

Our System using the following Language and Database.

* + - * **Language:** PHP and Laravel framework
      * **For Design:** HTML, CSS, JavaScript
      * **Database:** MYSQL
      * **Platform**: Brackets, Sublime, Visual Studio Code

## Specialty of project

Web technology has rapidly become the world's most usual method of spreading voice, data, and services in the annoying world. Given this significant change, the website is wide-ranging, and the extra care Guide in specific hold significant latent for proceeding development. They could deliver the most reasonable pathway for masses of people to access information, markets, finances, and governance systems previously unavailable to them. Our Supportive Communication Way named "Tour Buddy" has been created to blowout out the advantage of Web technology among Website users. A very easy interface has been already used in this application. Besides that, the application is fully completed in English so that each Web user can appreciate and use it.

## Requirement Specification

Firstly we defined the requirement specification. The Specification is a record that plainly and exactly designates each of the vital requirements of the Application and the outside interfaces. My planned system "Tour Buddy" is a Website. On this website, the user can find their appropriate tour partners with their desirable tour places and flexible date and budget. They can travel to our country by using this website. Nowadays every tourist books their travel plan by using a travel website. This website can be run on Mobile, laptop, and any electrical device with an internet connection. The size of this website is very low and it is a very responsive website. So it will fit on any type of screen. There are no age restrictions to use this website. Because this website is travel-based so anyone can use this website from anywhere in the country.

## Summary

This system will give a very effective and appropriate tour partner and also spectacular tour places information. It will be the best application for anyone.

# CHAPTER 3

**SYSTEM ANALYSIS & FEASIBILITY STUDY**

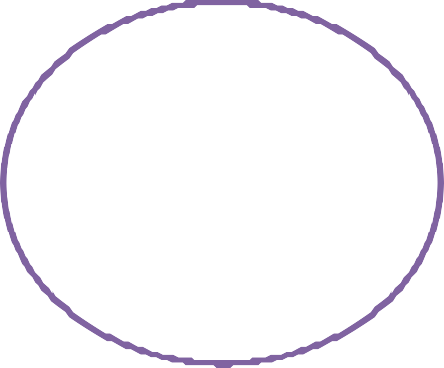
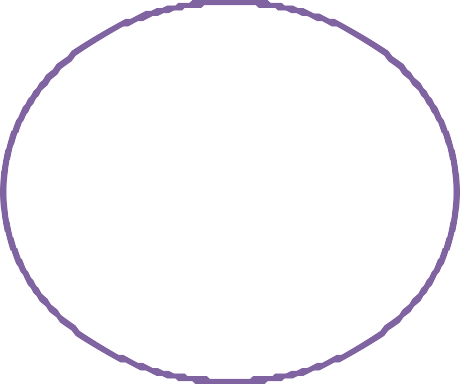
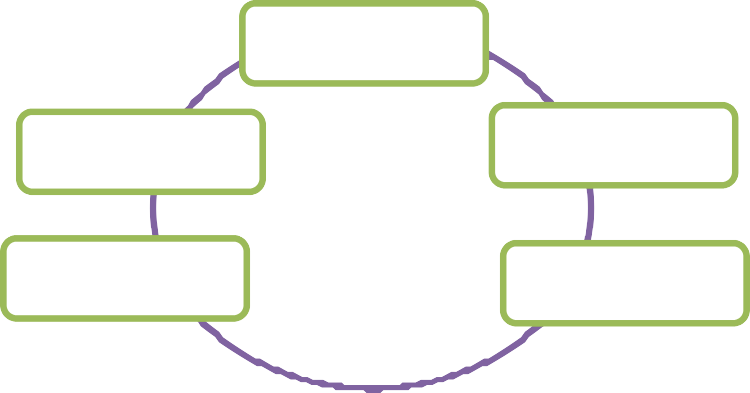
## System Analysis

The system analysis is a study of the several processes done by the remaining structure and their affairs within and external of the system. One side of the study is defining the limitations of the system and defining whether an applicant system should deliberate other connected systems. During analysis, records are composed on an obtainable file, decision point, and trades handled by the present system. It is the procedure of determining what needs to be ended before how it would be finished. To achieve this, the designer mentions the current systems and booklets. So, simply it is a skill of finding. Here, we completed system analysis by response analysis, output analysis, and data analysis of the existing system. At the preliminary stage of the analysis, we had followed the following agile development methodology.

## Agile Model

Agile model trusts that every plan needs to be fingered in a different way and the existing methods requisite to be personalized to best outfit the project supplies. In Agile, the tasks are separated into time packages (small time frames) to carry definite structures for relief. The iterative method is engaged and the working software body is transported after all reiteration. Every build is increasing in terms of structures; the last shape holds all the sorts required by the consumer.

Here is a graphical illustration of the Agile Model –



**Planning**

**Testing**

**Req Analysis**

**Building**

**Iteration1**

**Designing**

**Planning**

**Testing**

**Req Analysis**

**Building**

**Iteration2**

**Designing**

**Planning**

**Testing**

**Req Analysis**

**Iteration3**

**Building**

**Designing**

Figure 3.1: Agile Model

## Planning

Agile model is nothing more than calculating the promptness a team can fit user stories into at work, manufacture-ready software, and then consuming that to figure out when they'll be done.

## Analysis

Agile analysis is an extremely evaluated and cooperative procedure where inventors and task participants dynamically work collected on a just-in-time (JIT) basis to realize the area, to recognize what wants to be constructed, to approximate that functionality, to highlight the functionality, and in the procedure optionally.

## System Design

The needed conditions from the first phase are researched in this phase and the system proposal is ready. System Design assistance in requiring hardware and system requirements and also helps in targeting overall system structural design.

## Testing

Agile testing is a [software testing](https://en.wikipedia.org/wiki/Software_testing) rehearsal that charts the values of [agile software](https://en.wikipedia.org/wiki/Agile_software_development) expansion. Agile testing includes all followers of a multifunctional agile squad, with exceptional skilled contributed by testers, to confirm carrying the corporate cost chosen by the consumer at regular pauses, working at a maintainable pace. [The requirement by](https://en.wikipedia.org/wiki/Specification_by_example) examples used to arrest examples of wanted and unwanted performance and guide coding.

## Input Analysis

Incorrect input data are the greatest public reason for errors in the data processing. Errors pass in by the consumers can be measured by input design. Effort design is the procedure of altering user-made inputs to a mainframes-based set-up. In the system design stage, the exhausting data flow figure classifies rational data flows, data stocks, bases, and destinations. A system flowchart stipulates main files (database), transaction files, and computer programs. Input data group and prearranged into groups of alike data. Once recognized, proper input media are nominated for being processed.

## Input data

The objective of planning input data is to create data entry as easy, logical, and at liberty from errors as thinkable. In entering data, machinists need to identify the flowing. The assigned space for every field. Field structure, which must in the source document.

* + - * The layout in which the data fields arrive when we approach input data design, the basis manuscript that imprisonment the data then elect the media used to enter them into the computer.

## Output Analysis

Computer output is the utmost chief and straight storage of evidence to the user. Effectual and intelligible harvest design should progress the system's dealings with the worker and assist in making a decision. We have verified our system by taking some filtering input data. The output, which comes according to our input is correct. That means the user query comes exactly according to our input and show also the correct format.

## Data Analysis

In the data analysis phase, the data has been selected from input analysis according to the requirement of the system. Most of the existing systems only help to find doctors or hospitals or diagnostics or other medical information. But they don't provide all of the information like us and they don't provide appointment information like us. That's why we provide the information which the user wants.

## Feasibility Study

A feasibility study aims to objectively and fairly uncover the strengths and weaknesses of a subsisting business or proposed venture, amenities and threats present in the environment, the resources constituent to carry through, and finally the prospects for success. In its easiest terms, the two criteria to judge probability are cost momentous and value to be attained. A well-designed probability study should provide a historical background of the business or project, a representation of the product or service, accounting representation, details of the operations and management, marketing research and policies, financial data, legal 13 requirements, and proceeds obligations. Generally, probability studies precede technical development and project implementation. A probability study evaluates the project's potential for success; therefore, perceived objectivity is a significant factor in the credibility of the study for potential investors and lending organizations. It must therefore be guided with an objective, unbiased refuge to provide knowledge upon which decisions can be based. There are several factors in probability. Some Common are follows:

* Technical feasibility
* Economic feasibility
* Legal feasibility
* Operational feasibility
* Schedule feasibility

## Technical feasibility

The assessment is based on a configuration design of system requirements in terms of Inputs, Processes, Output, Fields, Programs, and Procedures. This can be quantified in terms of volumes of data, trends, frequency of updating, etc. to calculation whether the new system will perform adequately or not. Technological probability is carried out to ordain whether the company has the ability, in terms of software, hardware, personnel, and expertise, to handle the fulfillment of the project.

## Economic feasibility

Economic analysis is the most repeatedly used method for evaluating the effectiveness of a new system. More generally known as cost/benefit analysis, the procedure is to ordain the convenience and savings that are expected from a candidate system and compare them with costs. If benefits outweigh costs, then the pronouncement is made to design and implement the system. An entrepreneur must exactly weigh the cost versus convenience before taking an action.

## Legal feasibility

Determines whether the raised system conflicts with legal requirements, a data processing system must comply with the local Data Protection Acts. Since all the software we are using is free, so we are not violating any anti-piracy law.

## Operational feasibility

Operational feasibility is a measure of how well a proposed system solves the problems and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development.

## Schedule feasibility

A project will fail if it takes too long to be completed before it is useful. Typically this means estimating how long the system will take to develop, and if it can be completed in a given period using some methods like payback period. Schedule feasibility is a measure of how reasonable the project timetable is. Given our technical expertise, are the project deadlines reasonable? Some projects are initiated with specific deadlines. You need to determine whether the deadlines are mandatory or desirable.

## Summary

The trend and feasibility study suggest the need for a new information system to keep pace with the modern world. A system is never quite feasible. It is often more or less feasible from different perceptions and perspectives. The earlier sections discussed all the feasibility checkpoints and respective problems and conditions. The project is extremely strong technically, financially, and legally. As changes are not welcome in our country the change management is a big concern.