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SKY Express – Online Ticket and Tour Management System

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An Undergraduate Internship Report on

SKY Express – Online Ticket and Tour Management System

By:

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Summer, 2022

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September 14, 2022

Dissertation submitted in partial fulfillment for the degree of Bachelor of Science in Computer Science

Department of Computer Science & Engineering

Independent University, Bangladesh

Attestation

I, Farhan Ahsan Adib, officially attest that no work in this report has been plagiarized from any sources. Any resources which are consulted are referenced in the report's reference section. And, no assistance from a third-party organization was requested during the report's completion, except for the one for which I interned for i.e. **KHAN INTERNATIONAL EXPRESS** for the last three months. For further information, please contact Tanjil Ahmed Khan, Chief Operating Officer, the internship supervisor at my organization, at 01915808030.

Sincerely,

Farhan Ahsan Adib _____ 14/09/22 _____

Signature Date

Farhan Ahsan Adib

_____

Name

Acknowledgement

First, I would like to express my gratitude to Almighty Allah for bestowing me with the determination, patience and ability to perform hard and for providing me with the opportunity to complete my internship at Khan International Express. In addition, I would like to thank my respected mother for her unconditional love and support and my late father who is watching me from above. I would like to express my gratitude to Ms. Ajmiri Sabrina Khan, Internship Supervisor & Lecturer, Independent University, Bangladesh, for her guidance, patience, time, and thoughtful advice regarding various aspects of my internship and the preparation of this report. It has been an incredible experience working as an intern at Khan International Express. I would like to show my thanks to the firm for providing me the opportunity to work with them and for which I came to know organizational systems and affairs. Moreover, I would like to thank my external supervisor, Mr. Tanjil Ahmed Khan, for accepting me as an intern for Khan International Express and integrating me into the organization. Finally, I would like to express my heartfelt appreciation to Independent University, Bangladesh for offering a student internship program that truly shapes and prepares us for the corporate world.

Farhan Ahsan Adib
1822302
14th September 2022
Dhaka, Bangladesh

Letter of Transmittal

14th September, 2022

Ajmiri Sabrina Khan

Internship Supervisor & Lecturer

Department of Computer Science and Engineering

Independent University, Bangladesh

Subject: Internship report on ‘SKY Express- Online Ticket & Tour Management System’, a product for KHAN INTERNATIONAL EXPRESS.

Dear Ma’am,

I am truly grateful for the chance to submit an internship report to you on 'SKY Express- Online Ticket & Tour Management System,' a web application developed for Khan International Express. This report is based on my three-month internship at the organization and the project on which I worked. This report is based on my experiences and the work I completed during my internship at Khan International Express. Throughout my internship with the organization, I discovered that I acquired and used a variety of new skills and technology. I would be delighted if the report I have written serves its intended purpose. I am indebted to you for your time, knowledge, direction, and support. I have attempted to complete the report as accurately as feasible. I genuinely hope and pray that you will accept the report.

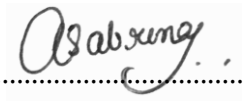
Thank you for your co-operation and assistance throughout the semester

Yours sincerely,

Farhan Ahsan Adib

ID: 1822302

Evaluation Committee



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Signature

Ajmiri Sabrina Khan

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Name

Supervisor

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Signature

Sanzar Adnan Alam

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Name

Internal Examiner-1 / Panel Member-1

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Md Abu Sayed

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Name

External Examiner / Organizational Supervisor / Panel Member-2

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Dr. Mahady Hasan

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Name

Head of the Department / Convener

Abstract

SKY Express is a web-based application that manages an easy way to book air-tickets and tours for their clients. The dedicated clients will visit the site "**SKY Express**" and will login, if he/she is a new client then they will register first. The program was mainly created to make the procedure of booking tickets and destinations through a website. The website will allow the clients to view and select different flights and can also choose any classes of tickets after filling up necessary information. This system will eliminate the need for users to physically visit companies to book tickets. Meanwhile it will update the database for the booking section for that particular user that a ticket has been added into the table. From the database that ticket will be fetched and shown. Users can checkout from the system after confirming booking tickets.

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Chapter 1: Introduction

1.1 Overview background of the work

Khan International Express is one of leading delegate courier companies in the country. They serve as a conductor for package conveyance through their subsidiary dispatch organizations. That's why their customers receive the same benefits as courier companies but at a lower cost. Now the company wants to extend their wings and will be opening their Travel Agency sector where one can easily book tickets for holiday or business purposes. Their services were full-fledged offline. But due to covid-19 pandemic they have switched to online mode. Already Khan International has their web-based courier service. Now, they are developing a web-based travel agency application.

SKY Express is a web-based application that the company has developed primarily for booking tickets online. This service requires the customers to enter their main website: https://www.khanintlexpress.com/ then click on "***Travel***" on the homepage of that site. After entering that webpage, customers can choose their desired options and then send requests for booking tickets. Once the customer selects the service and requests, the company receives it. An employee from the company then calls the customer for validation, ensuring terms and agreement and payment. Later, the company either delivers the tickets with no delivery charge or the customers pick up from them. The application will provide its services for Dhaka city only.

1.2 Objectives

- Allow customers to book tickets online.
- Provide customers top quality service.
- Provide customer support to answer all the queries.

1.3 Scopes

- Login Page – This page will be used by registered users to log into their account.
- Registration Page – This page will be used by new users to register their account.
- Forget Password Page – Users will be redirected to this page to enter their email if they forget their password and wish to change their password.
- Change Password Page – This page will allow the user to change their password if they forget their old password.
- Dashboard – There will be Dashboard for two different types of users – Client and Admin.
- Booking Page – Clients will visit this page to book tickets.
- Packages Page – Clients can choose any available packages according to their wish.
- Contact Us Page – Clients will be able to contact the support team through the website.
- About Us Page – Clients will be able to see the information about the company.

Chapter 2: Literature review

2.1 Relationship with undergraduate studies

SKY Express is developed with HTML, CSS, PHP and Javascript. The front-end was built with HTML and PHP was used to connect with the database. The topics covered in CSC 455 i.e. Web Application & Internet course is directly related to the application's both front-end and backend. The Web Application & Internet course was project-based, and many web-based projects were completed as a part of it. The topics covered in that course were very helpful in this project. Besides, the topics such as: Rich Picture *(figure 5.1,pg 21)*, Six Elements Analysis *(table 5.1,pg 24)* and Feasibility Analysis, Functional and Non- Functional Requirements, UML Diagrams *(pg 25-27)* are learnt from CSC 401, i.e. Database Management and CSC 405 i.e. System Analysis and Design courses respectively.

2.2 Related Works

Several studies have been done on the topic of the Travel Management System.

The following are some of the related works:

1. Tripadvisor provides recommendations, allowing users to bookmark all the details of the places that the traveler is interested in. The reviews, photos, and other details of the saved places can be viewed. TripAdvisor allows scheduling a personalized trip plan which you can either keep private or share with all. Along with the hotels' availability, it displays attractive places in the nearby local areas which may enable travelers to find the rooms of their own preferences.
2. Airbnb is one of the popular apps for homestay. It is a medium that connects people who want to rent their homes with people looking for accommodation. It allows the guest to rent a room or entire apartment from the localhost. It even allows the guests to add rooms to their favorites. Using the application, travelers can search through the neighborhood, price, nearby amenities, and more.
3. Google Flights helps with booking flights, hotels, rental accommodations, travel packages, and even in scheduling travel when signed into the Google account. The application has

everything that is required to plan trips. Google Flights displays recommendations for hotels, restaurants, and more depending upon the traveler's destination.

All the functions are similar as those performed by the ecommerce website listed above, with the exception that our website is additionally designed to assist the administration panel and employees in conducting their regular work efficiently.

Chapter 3: Project Management and Financing

3.1 Work Breakdown Structure

Work breakdown structure (WBS) is a method for completing a complex, multi-step project. It is a method of dividing and conquering large projects in order to complete them more quickly and efficiently. A work breakdown structure (WBS) is intended to make a large project more manageable. Breaking it down into smaller chunks allows different team members to work on it simultaneously, resulting in higher team productivity and easier project management.

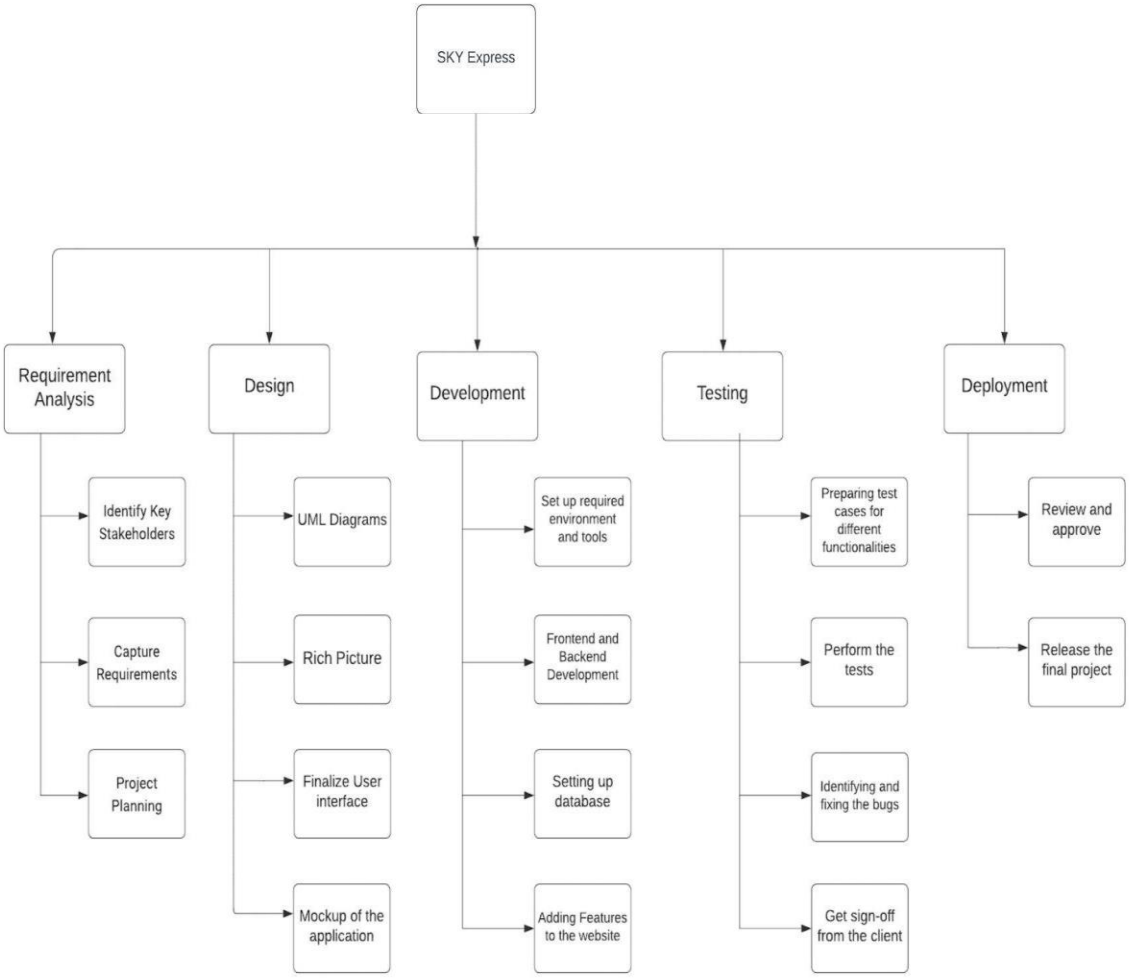

Figure-3.1: Work Breakdown Structure

3.2 Process/Activity wise Time Distribution

The time allocation for the three months project is as shown in the table. Any activity can be performed simultaneously with another activity or after the earlier one is completed.

Activity	Days	% of work
Requirement Analysis	14	13
Design	14	13
Development	57	54
Testing	12	11
Deployment	10	9
Total	107	100

Table-3.1: Activity Wise Time Distribution

3.3 Gantt Chart

A Gantt chart is one of the most popular and useful methods of displaying activities (tasks or events) against time. A list of the activities is shown on the left side of the chart, and a time scale is shown along the top. Each activity is represented by a bar, with the position and length of the bar reflecting the activity's start, duration, and end dates.

Figure-3.2: Gantt Chart

3.4 Process/Resource wise Resource Allocation

Requirement analysis: For the completion of this project, I was given the charge to collect the requirements. The requirements were how the client as well as the company wanted the website to look. Project planning took place with the higher authority of the company once the requirements were gathered together, and it was decided how the website would look after completion.

Design: The website design is created during this phase. I have been working on diagrams like Rich Picture and UML Diagrams. This phase describes the designing of the application's features and functionality using necessary diagrams.

Development: This phase is mainly associated with the development of the application. I was required to submit a weekly project progress report. Every weekend, a meeting was held with the higher authority of the company to discuss the progress and future project planning.

Testing: During this phase, the website was tested at the same time as it was being developed. It was required for me to debug at every stage of the development process when the application was being tested. In this phase, I was to show the COO of the organization the final website and obtain his approval before the phase's deadline.

Deployment: As the website is almost ready, it will be deployed before the deadline.

3.5 Estimated Costing

The cost is an estimate based on the company's requirements for the web application system.

Requirements	Costing(in taka)
Salary	7000
Domain and Hosting	3000
Database	2000

Table-3.2: Estimate Costing of the Project

Chapter 4: Methodology

Waterfall method is a traditional and great procedure to project management. In this method, the tasks and phases are completed in a linear and sequential manner, and each stage of the project must be completed before the next begins.

The stages of Waterfall project management generally follow this sequence:

- Requirements Analysis
- Design
- Construction
- Testing
- Deployment

Progress, like an actual waterfall, flows in only one direction.

However, just like a real waterfall, this can quickly become dangerous. Because everything is planned out at the start, there is a lot of room for error if expectations do not match reality. And once it's finished, there's no going back to a previous stage.

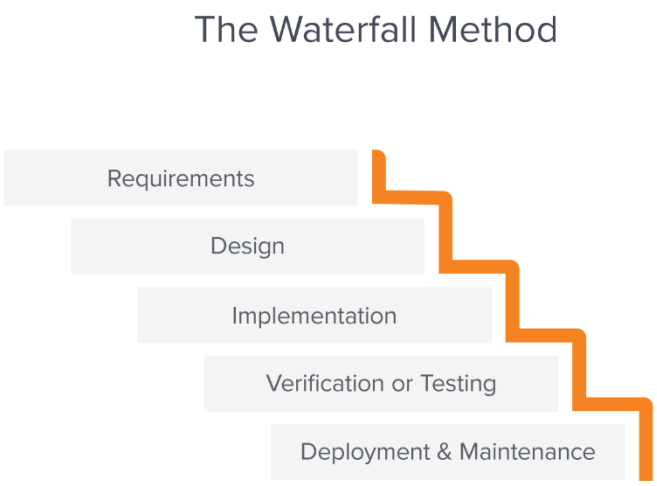

Figure-4.1: Waterfall Methodology

4.1 Why this methodology for this project?

Waterfall methodology is a very good approach for this project because the requirements are very well defined and easy to catch. I had to proceed step by step with each phase using this methodology. Furthermore, using the waterfall methodology specifies what we are building at a very detailed level, which helped me meet deadlines.

4.2 How did we use this methodology?

At the beginning of the project, I did a requirement analysis. Then I moved on to the next phase, which was the design phase. I worked on creating a prototype of the website's UI as well as some diagrams. After the design phase, I moved on to project development. I worked on the Front-End and Backend coding of the application. During this development phase, I simultaneously performed the test cases of the project. The project's deployment was the final stage.

Chapter 5: Body of the Project

5.1 Work Description

At first, I was responsible only for the front end part since this was a group project of 2 members. But my partner who was also an intern from another university, left due to some reasons. Then I took the responsibility of the back end of the website as well. Since the application was developed in Visual Studio, the front-end was created using HTML, CSS and the backend was written in PHP. PhpMyAdmin was utilized to store the data for the entire project. All tasks were performed within a certain time frame, and after a task or portion of the project was completed, we were required to explain our work to the project's supervisor.

5.2 System Analysis

5.2.1 Six Element Analysis

Process	Human	Non-Hardware	Computing Hardware	Software	Database	Communication on Network
Registration	Client, Employee, Admin	N/A	Phone, Laptop, Personal Computer	Website	PhpMyAdmin	Internet
Login	Client, Employee, Admin	N/A	Phone, Laptop, Personal Computer	Website	PhpMyAdmin	Internet
Booking	Client, Employee, Admin	N/A	Phone, Laptop, Personal Computer	Website	PhpMyAdmin	Internet
Packages	Client, Employee, Admin	N/A	Phone, Laptop, Personal Computer	Website	PhpMyAdmin	Internet
Contact	Client, Employee, Admin	N/A	Phone, Laptop, Personal Computer	Website	PhpMyAdmin	Internet
About us	Client	N/A	Phone, Laptop, Personal Computer	Website	PhpMyAdmin	Internet

Review	Client, Employee, Admin	N/A	Phone, Laptop, Personal Computer	Website	PhpMyAdmin	Internet

Table-5.1: Six Elements Analysis

5.2.2 Feasibility Analysis

Feasibility Study is considered as a preliminary investigation that helps the management to make decisions about whether study of a system should be feasible for development or not. It identifies the possibility of developing a new system as well as improving an existing system and also produces refined estimates for further development of the system. It is used to obtain the outline of the problem and decide whether a feasible or appropriate solution exists or not.

- **Technical Feasibility**

Technical feasibility considers both hardware and software needs. To carry out this technical feasibility, we must first determine if the required technology and suggested equipment have the ability to keep the data utilized in the project. This technical feasibility analysis determines if the necessary resources and technology are available for project development. Along with this, the feasibility study examines the technical skills and capabilities of the technical team, if current technology can be used, whether maintenance and upgradation of the chosen technology is simple or difficult, and so on. Our system will be employed extensively with resources and personnel for system development.

- **Operational Feasibility**

The suggested system has an extremely friendly user interface. The user must have an adequate internet connection in order to use the program. The system will benefit the user due to its superior results and high performance. As a consequence, this idea is possible on a practical level.

- **Economic Feasibility**

Economic Feasibility is concerned with the economic impact that a new system will have on the organization if it is implemented. The financial gains must be equal to or greater than the expenses. It is necessary to estimate the cost of implementing a complete system, which includes software and hardware costs, for the type of application under consideration. By examining the total

application system, we discovered that it is feasible to undertake a comprehensive system analysis at a reasonable cost. There is no need for more labor in this situation. The suggested system has no additional costs associated with its upkeep and maintenance.

5.2.4 Effect and Constraint Analysis

A constraint is a limitation on a company's ability to provide a solution with as much flexibility as possible. Constraints are basically global needs, such as restricted development resources or a decision by top management that limits the development team's ability to construct a system. Economic, political, technological, and environmental constraints can affect project resources, schedules, target environments, and the system itself. The following are some of the limitations and their effects:

Constraint 1: Time

Effect: Initially, it appeared the project might be completed within two and a half months. But due to a sudden shortage of developers the project's given time was expanded due to extra works.

Constraint 2: Budget

Effect: No effect.

Constraint 3: Database

Effect: At the start of the project, it was decided that the data would be kept in the PhpMyAdmin database.

5.3 System Design

5.3.1 Rich Picture

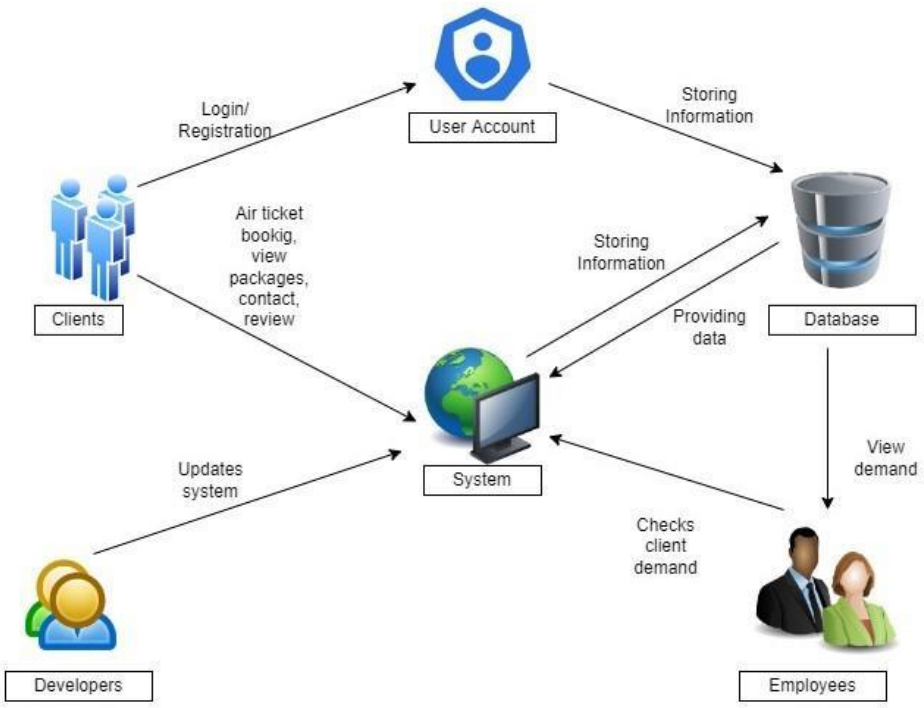

Figure-5.1: Rich Picture

5.3.2 UML Diagrams

Activity Diagram

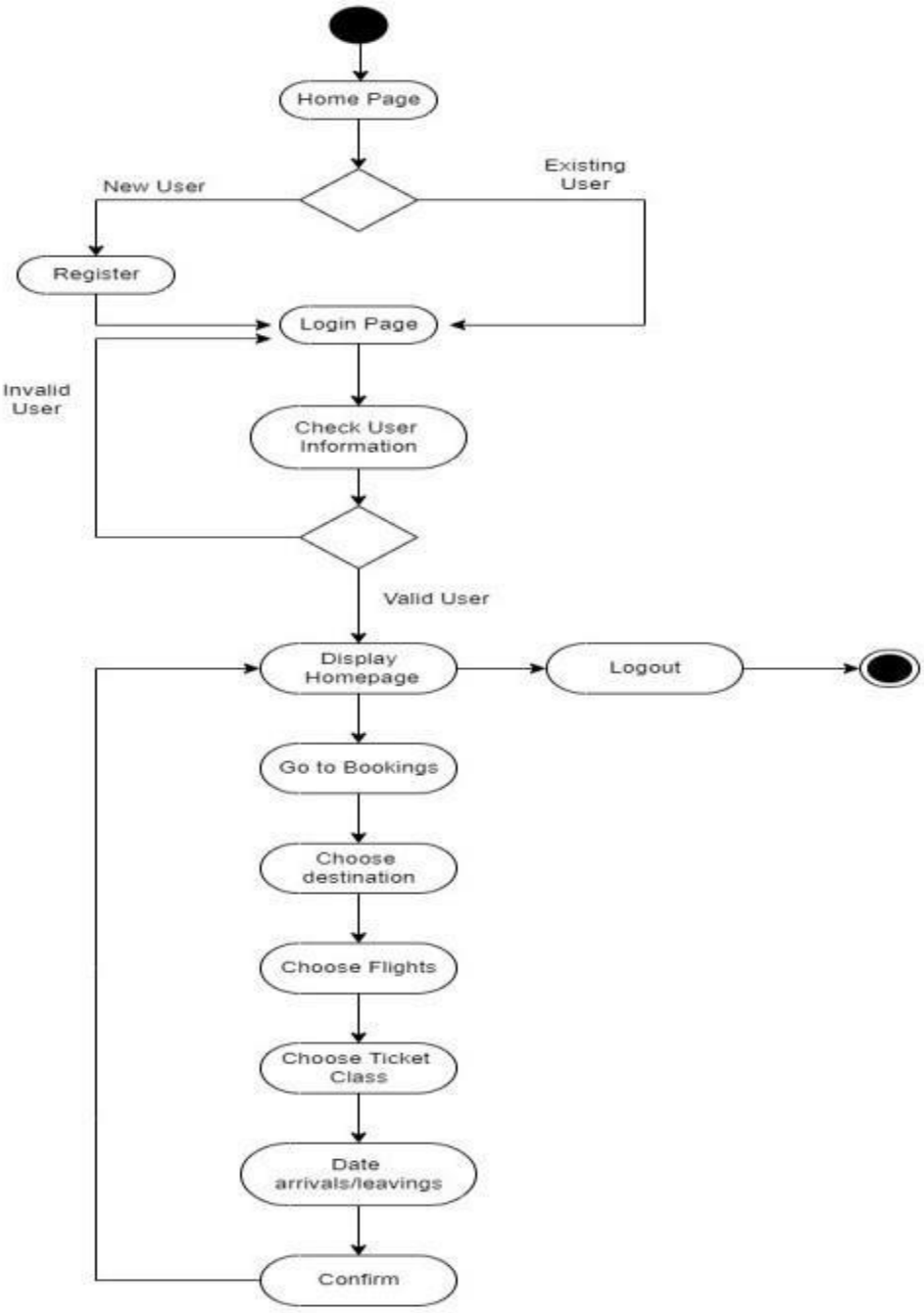

Figure-5.2: Activity Diagram for Customer

Class Diagram

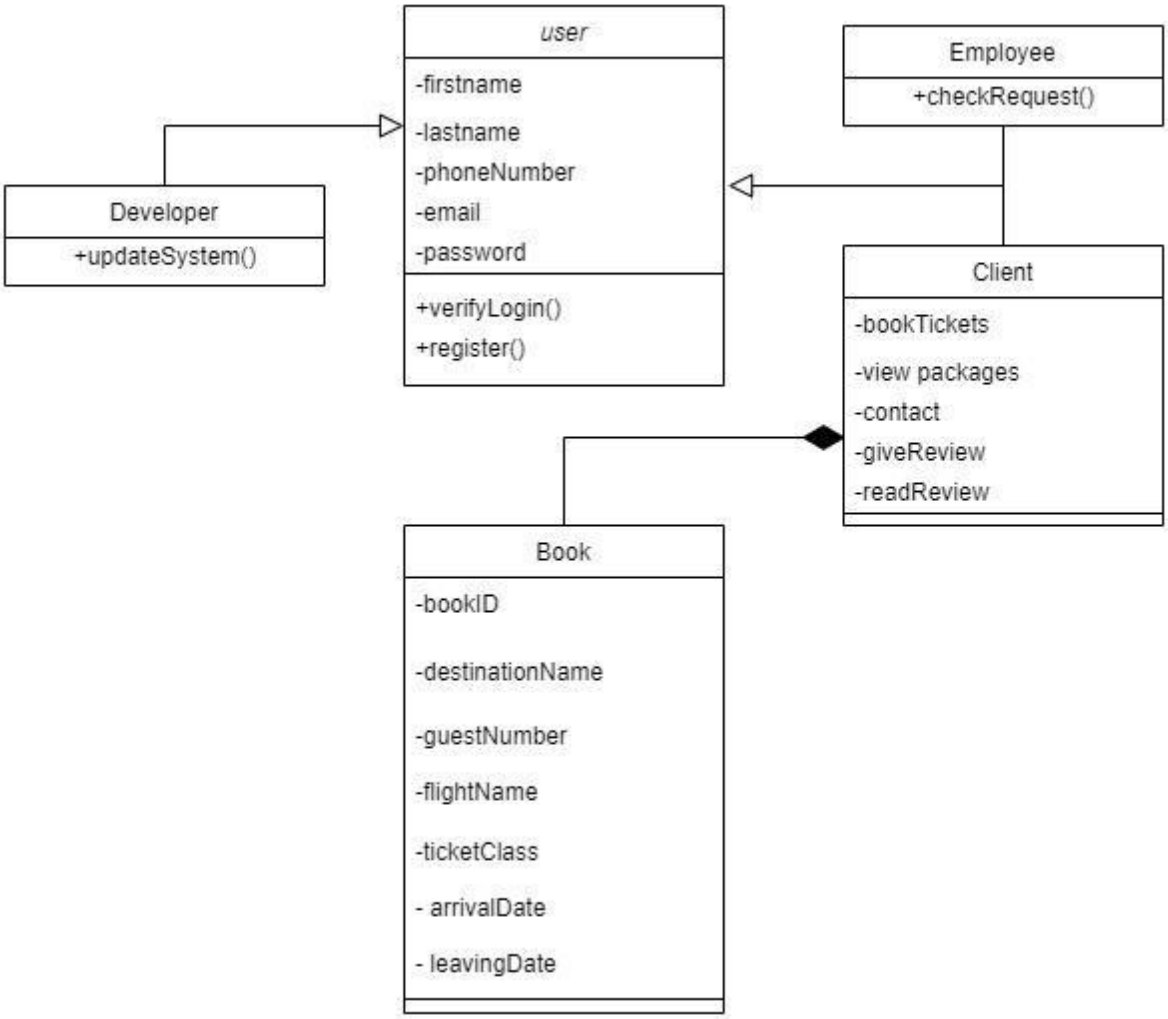

Figure-5.3: Class Diagram of the system

Use Case Diagram

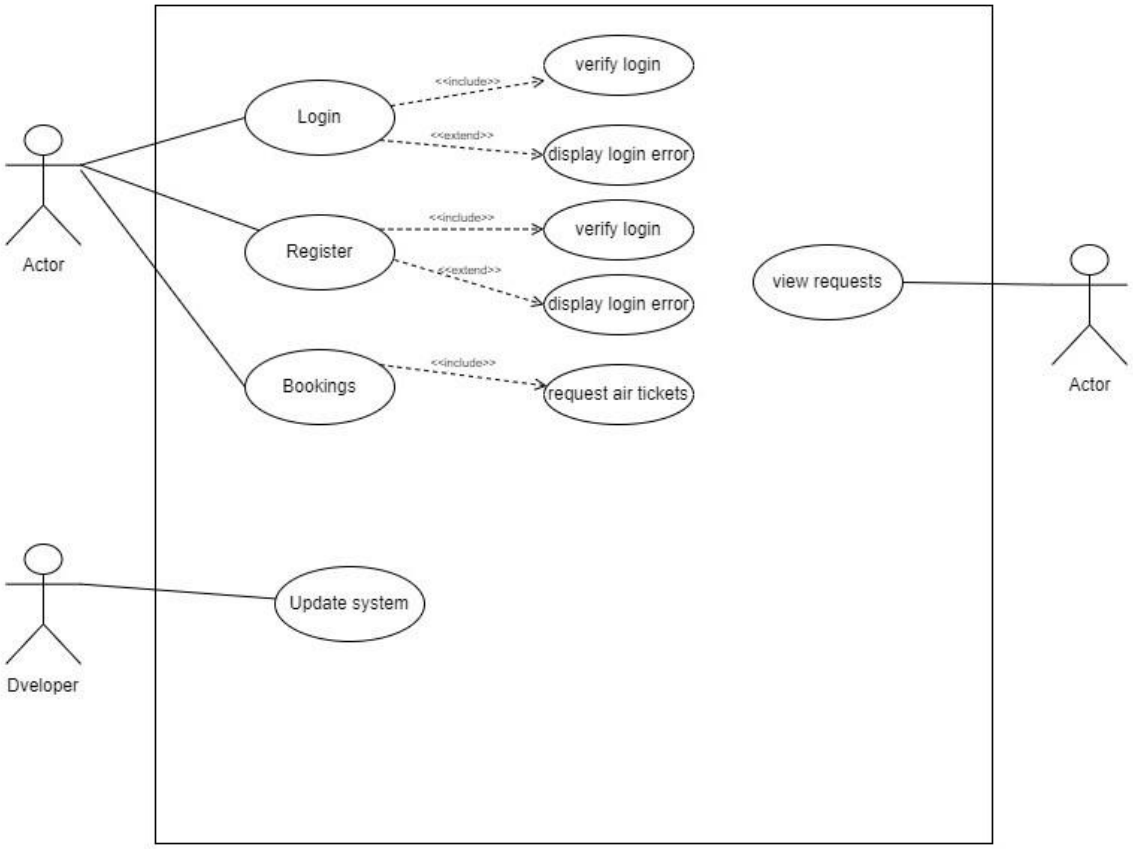

Figure-5.4: Use Case Diagram of the system

5.3.3 Functional and Non-Functional Requirements

Functional Requirements

1. **Register for an account**

   A user can register their account with all the required information.

2. **Flight Booking**

   A user can book their favorable flights with all the correct information.

3. **Packages**

   A user can view packages on the site.

4. **Contact support team**

   If the user is facing any difficulties or there is any complaint, then they can contact the support team.

5. **Give review**

   The user can give a review of their experience.

Non-Functional Requirements:

1. **Performance**

   The load time of the pages of the application will be less than 3 seconds if the users are accessing using bandwidth of minimum 400 Kbps.

2. **Security**

   User login credentials information will be secured using TLS (Transport Layer Security).

3. **Availability**

   The system will be online 24/7.

4. **Reliability**

   If any systematic problem arises, it will be removed by the developer team immediately.

5.4 Product Features

5.4.1 Input

Login

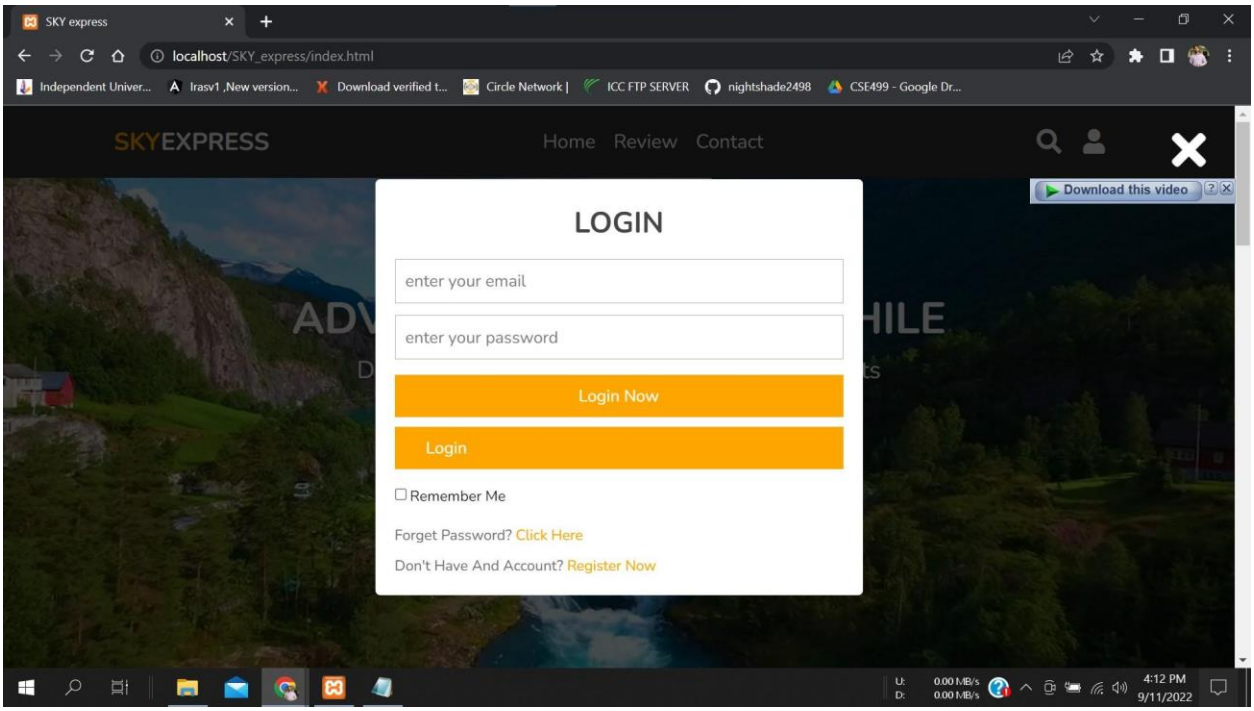

Figure-5.5: Login Page

Registration

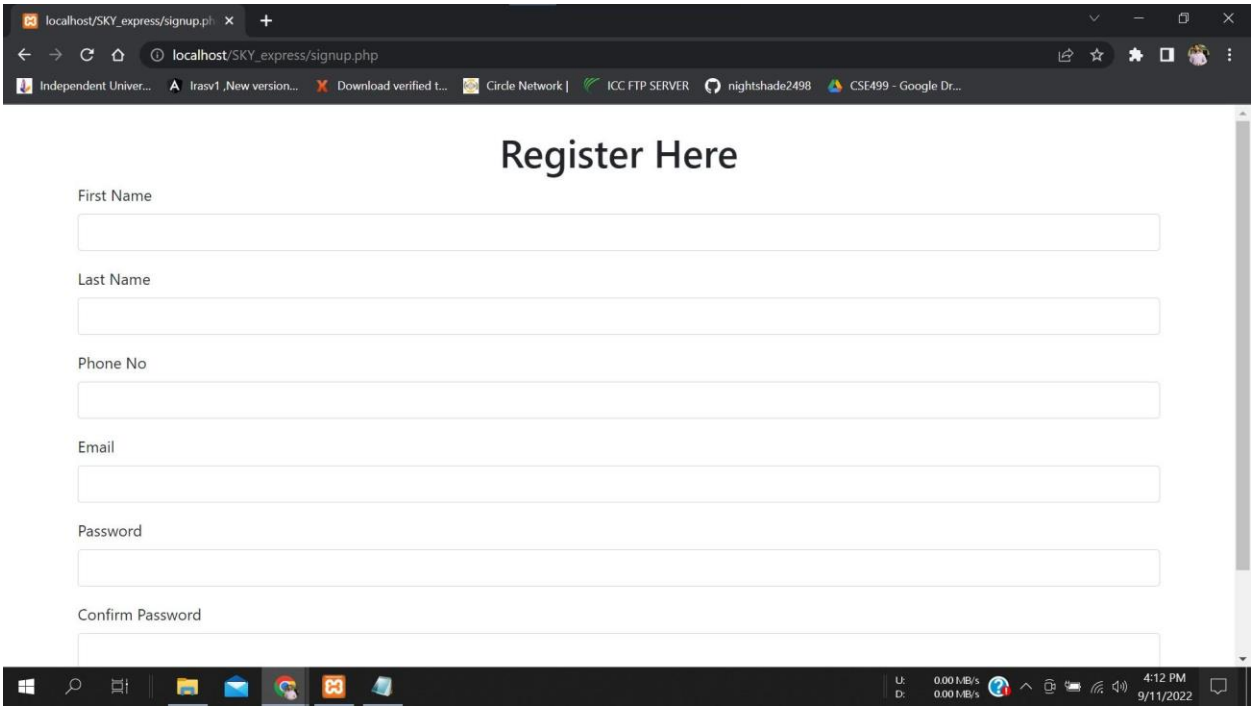

Figure-5.6: Registration Page

Dashboard

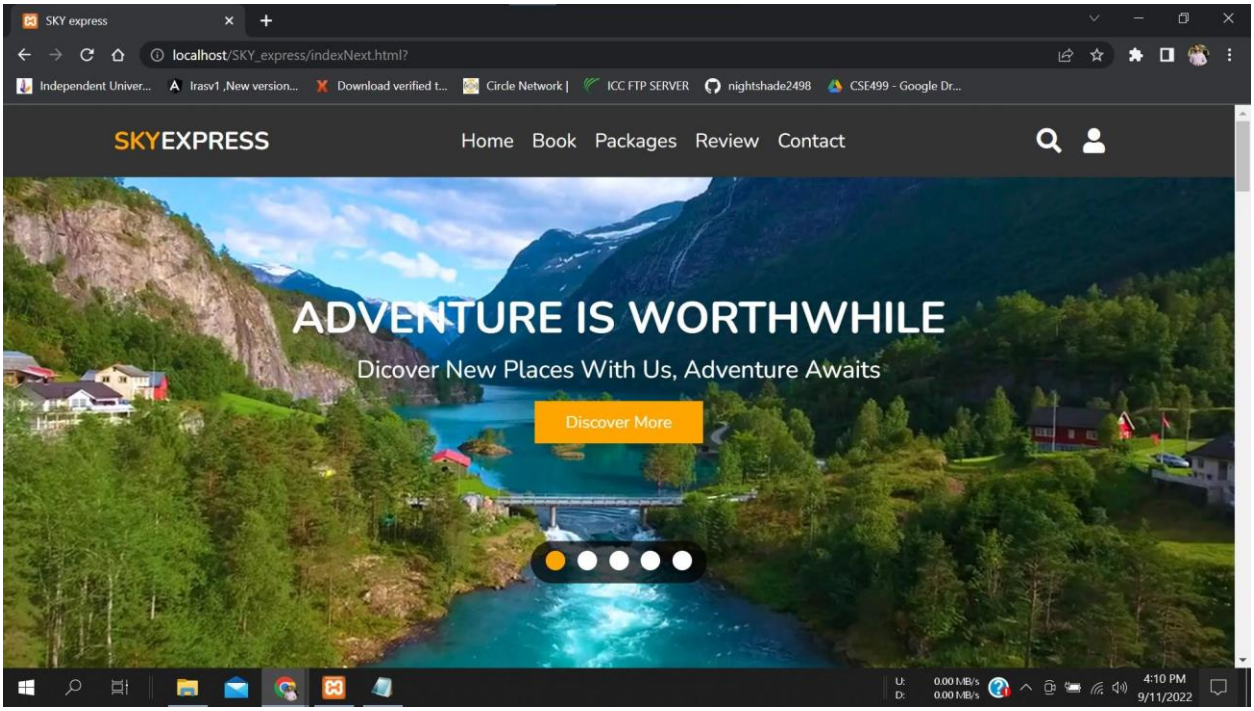

Figure-5.7: Dashboard

Responsiveness

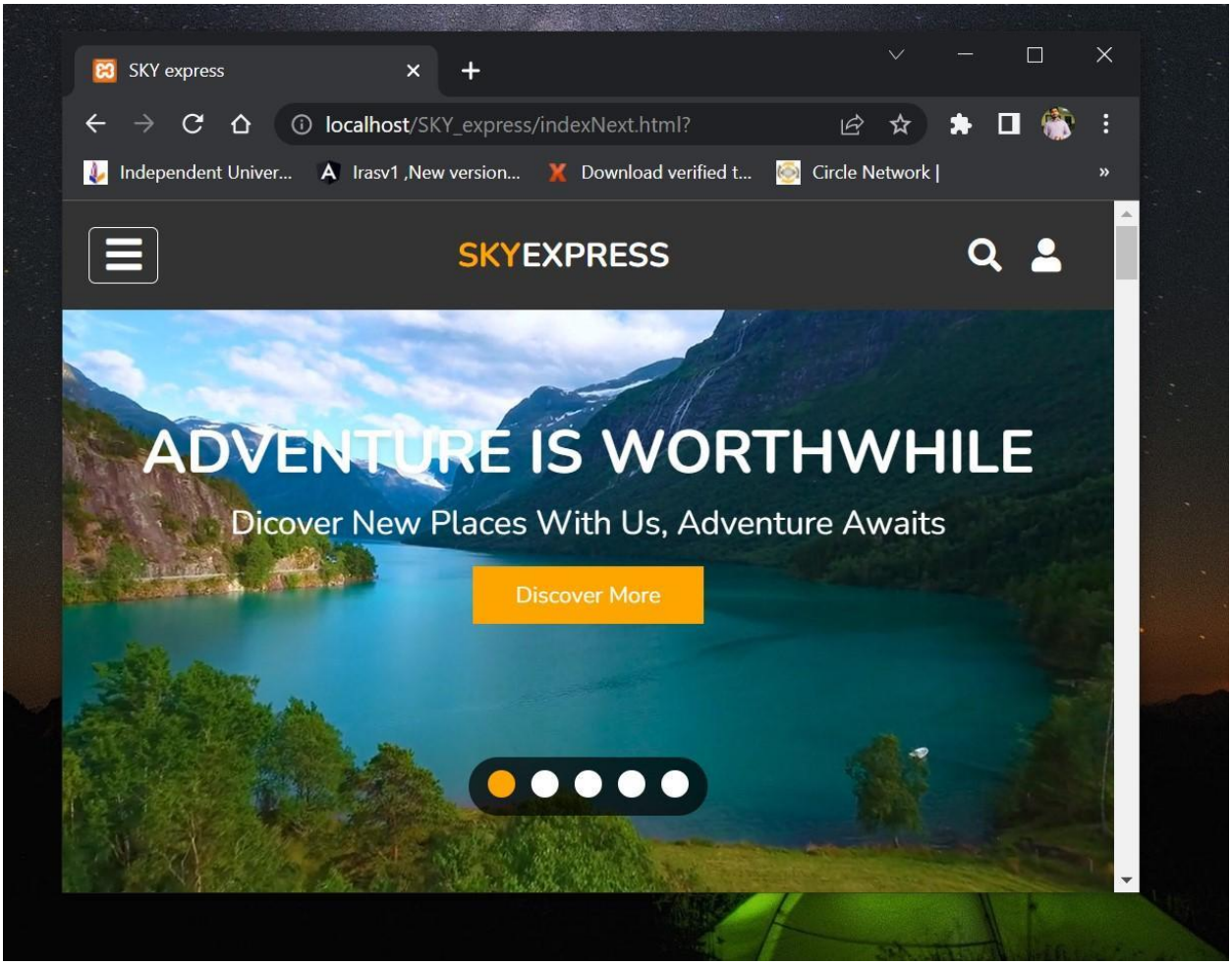

Figure-5.8: Responsive Dashboard

Booking

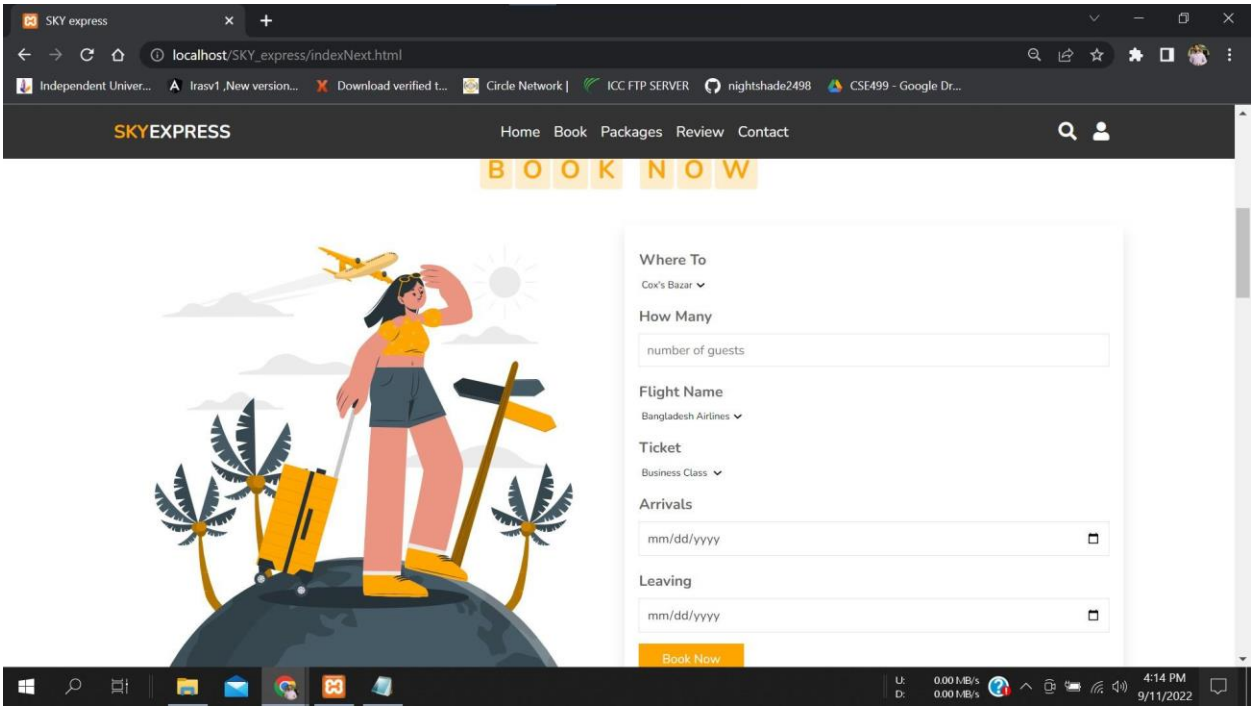

Figure-5.9: Booking page

Packages

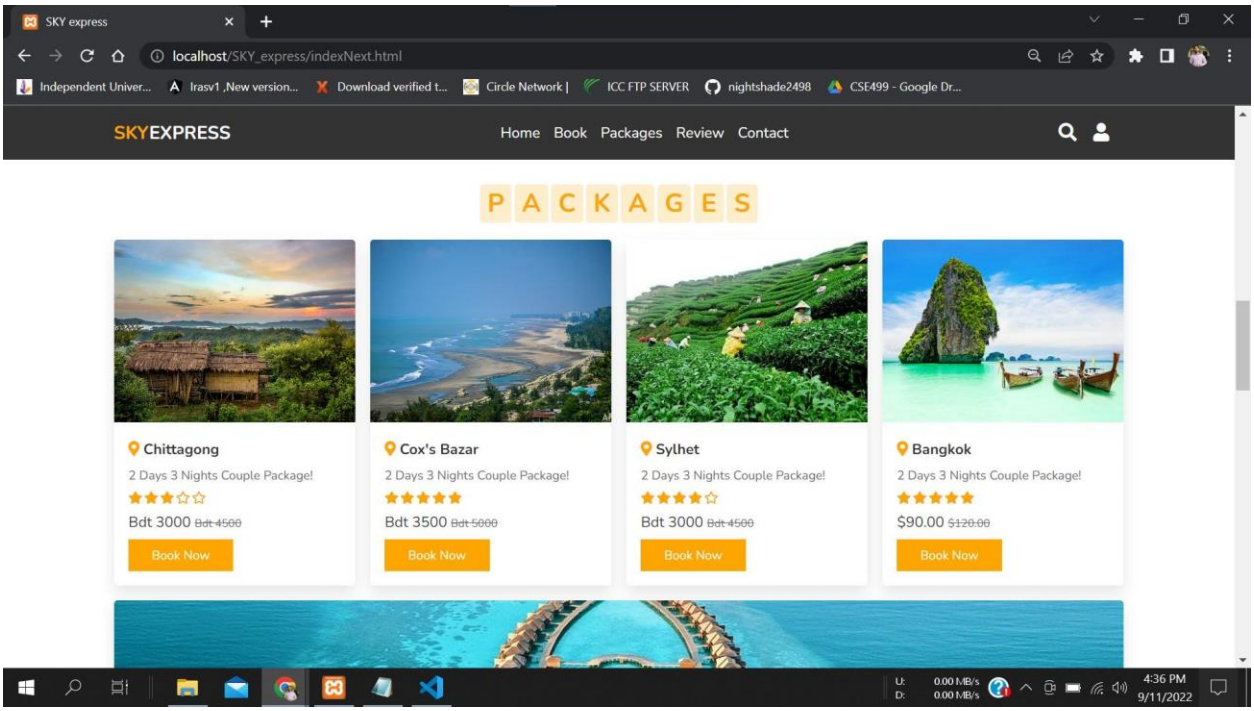

Figure-5.10: Packages Page

Contact

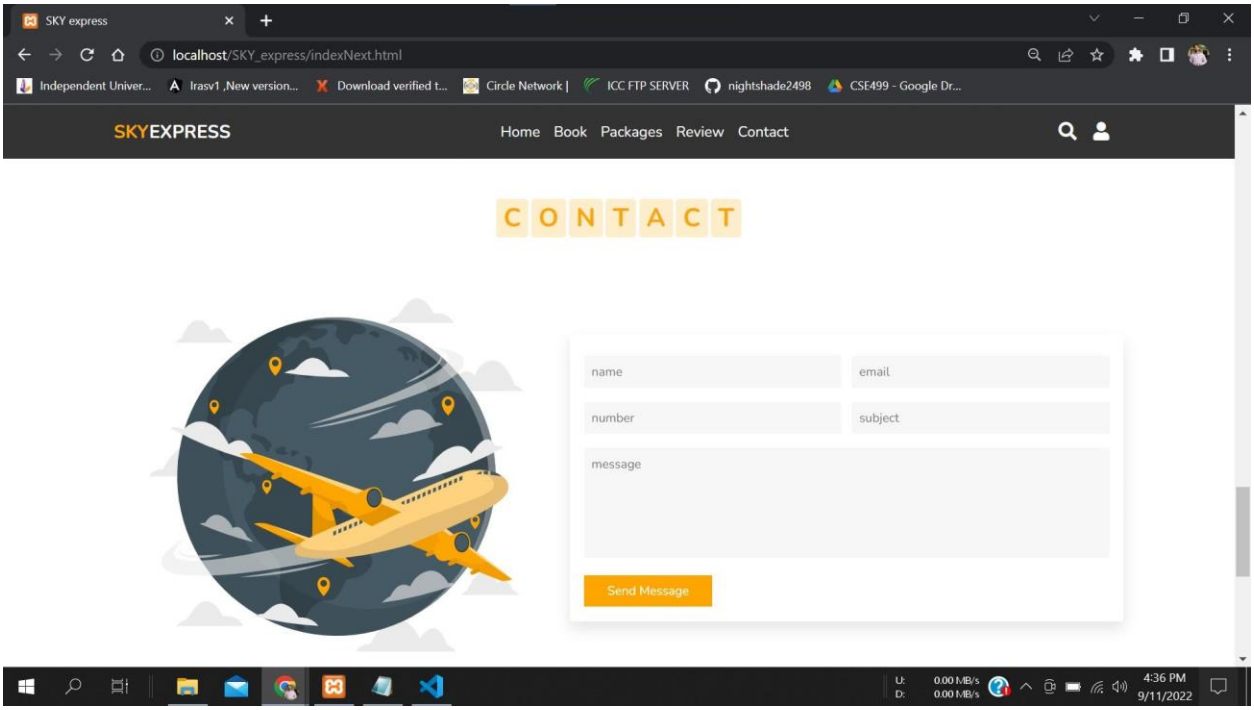

Figure-5.11: Contact Page

Backend

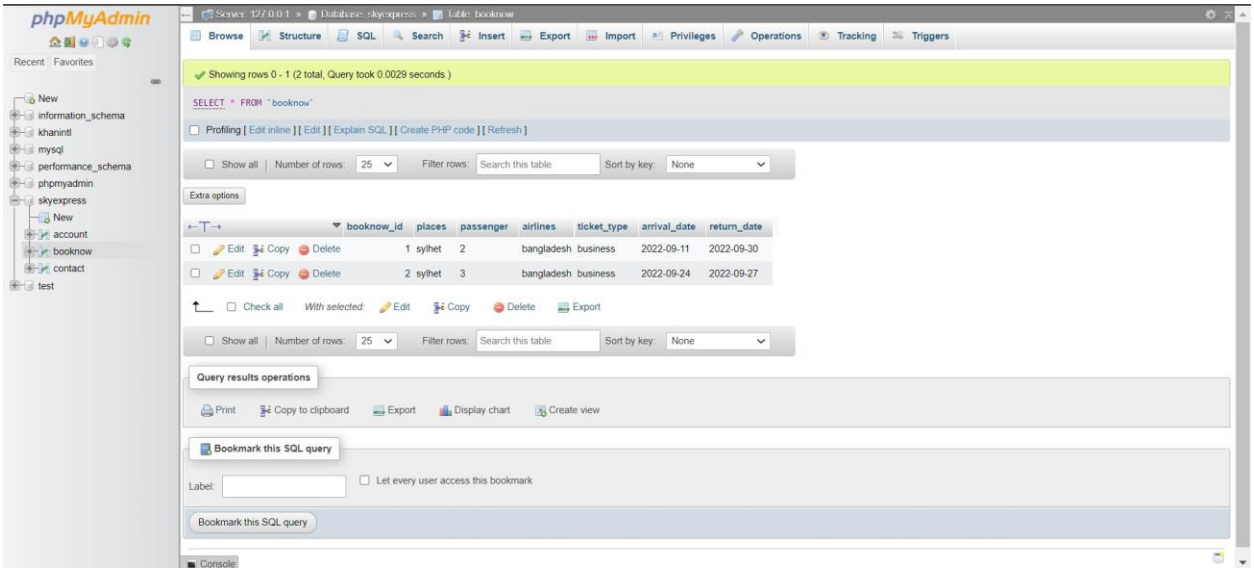

Figure-5.12: Booking table in database

5.4.3 Architecture

Front-end

CSS was used to develop the front-end. The UI is very spontaneous and user-friendly. Once users connect to the system, the simplicity of the application with its multiple functions allows them to immediately start using the program. Frequent changes are made to adapt the UI to the user experience.

Backend

The backend of this project was built using PHP as PHP files contain HTML, CSS, JavaScript and PHP code. PHP code is initialized on the server and the end result is returned to the browser. PHP can generate dynamic page content and can create, open, read, write, delete and close files on the server.

Database

PhpMyAdmin was used as a database. It also helped run backend code that reacts to database-activated events. Most apps these days have a login feature, and developers want the login feature to be simpler and more secure.

Chapter 6: Result and Analysis

6.1 Overview

The application, SKY Express, is a PHP-based website with PhpMyAdmin as the database. Like said previously, this application is developed in Visual Studio, with the front interface designed with CSS and the backend written in PHP. The project's total work was centered on the needs of our company's new sector, Travel & Tourism. The initial phase was to gather project needs from the higher authorities of the company which were then organized according to the project's requirements plan. To ensure that the final UI meets the needs of the clients, we had to design prototypes and modify them multiple times.

6.2 Testing Result

Application development has been a success. I always tested the program when new features were added. I intended to complete the design and development process as cleanly as possible before proceeding to the testing phase, but time constraints required me to complete all three phases in a minimal amount of time. Many test cases were failing, requiring work to fix bugs and bugs. Not only did I run into bugs during development and testing, but also had a number of issues with saving data to the PhpMyAdmin database, but they have finally been fixed. I am currently releasing a beta version. Once the test scenario is complete, we will release our final product.

Chapter 7: Engineering Problem Analysis

7.1 Sustainability of the project

The term "sustainability" refers to a product's ability to be maintained and upgraded. In today's environment, any program that is released must be maintained and regularly updated for the benefit of its users.

Community Sustainability

When the project is officially launched, it will significantly impact the community because people will be relieved of the hassle of physically going to the company, maintaining and waiting for his/her serial to come to the counter and book tickets. Rather, they will be able to visit the website and fill up the required information and confirm them. In conclusion, this project will be community sustainable.

Financial Sustainability

After the project is launched, the primary goal will be to make it easier for clients to book air-tickets from SKY Express. Even though the application is free for users, the company will profit from the initiative since clients are more inclined to do a time consuming work with no hassle. The company will profit more in terms of income because more through the website. The application will be upgraded and maintained more frequently with the revenue produced.

Organizational Sustainability

After the project is completed, the application may be maintained and upgraded by the same team, or the company may grow the team by adding more members to the project in order to improve the project. The company intends to expand more functionalities and improve the website's appearance by changing the UI. The development team will resolve any faults reported by clients. As stated in previous sections of this study, the application will be maintained and updated on a regular basis to improve the experience of clients using the application so that the project is organizationally sustainable.

7.2 Social and Environmental Effects and Analysis

Socials Effects

SKY Express intends to simplify the process of ordering items by automating the procedure previously performed manually by clients. The application will save consumers time and money. Additionally, it will enable the employees to manipulate the order request submitted by the clients with a few clicks. Briefly said, the system will make the air ticket booking procedure straightforward and stress-free for both consumers and employees.

Environmental Effects

Since Covid-19 is still not fully diminished from earth and still new variants are on news, this system will play a significant part in this situation since it will allow most employees to operate from home and prevent clients from physically visiting the company to book air tickets. As a result, a substantial amount of human contact is reduced, limiting the possibility of the virus spreading.

7.3 Addressing Ethics and Ethical Issues

With the proliferation of data collecting, hacking, and criminality in the world of sophisticated technologies, some unstated norms and ethics principles must be observed while developing and distributing an application. Developers of the system believe that the application complies with all applicable codes of conduct for application release and development, which have been taken into serious consideration. Some of them are,

Data Security: The PhpMyAdmin Database stores data on the cloud. When compared to on-premises security, cloud services provide more robust data security; as a result, there is a low risk of data exposure to the public. Security Rules act as a barrier between users' data and malevolent users. Complex rules have been written in Ghuri to ensure the best security for the data.

Data Storage: Since all our application data is stored in the PhpMyadmin database, which is hosted in the cloud, there is essentially no risk of data loss or leakage due to system failure. If the data were retained on-premises, there would be the risk of data loss due to system failure or other

disasters. However, because our application data is stored in the cloud, there is virtually little risk of data loss.

Collecting user data: The system will collect only user data relevant to the business. The user's data will be gathered only if the user gives permission to collect the data or willingly provides their data on our application.

Sharing User Data: Despite the fact that the data obtained is unlikely to cause any privacy concerns for most users, the system does not give any service, business, or third-party access to the information acquired.

Chapter 8: Lessons Learned

8.1 Problems Faced During this Period

Even after the post-pandemic period of covid-19, our workplace had to restrict the number of employees. As a result, I was present for 3-4 days per week. And the COO, who is also my organization supervisor, is a very busy person. So, it somehow resulted in a breakdown of communication on the application's functionality and UI design. Though my company requested me to develop a professional application, and this was my first time developing a website for an organization, the skill set required for this process was fairly extensive. Initially, I was assigned a team member to assist me with my project in the backend portion, but as early said, he left and the whole project was done by me single handedly.

8.2 Solutions of those Problems

I tried my level best to keep in touch with my supervisor. Whether it was an online meeting or offline, I was expected to attend weekly meetings and discuss what I designed. It was my first time designing a professional application, but through my dedication and hard work, I overcame obstacles and achieved my goals. But as I gained knowledge and experience, after a while I got better at my job. We tested the program several times to ensure that any bugs or issues we encountered were fixed. This has paid off for me in the long run and saved me the time and effort it would take to troubleshoot the entire application from scratch.

Chapter 9 Future Works & Conclusion

9.1 Future Works

The project, Sky Express, is a Travel & Tourism website which is still evolving, and we intend to add additional features to it. Some of the features that we have plan to add in the upcoming future are:

- To develop the packages section of the site.
- Enable users to add their own photo and NID
- Adding a chatbot for customers to communicate with support team
- Enable OTP login using phone number
- Including the option to choose multiple languages

9.2 Conclusion

As an Undergrad student from Computer Science major it was an honor and also exciting to work in a renowned company as an intern for developing a website for their new sector. In my internship, I learned more about Visual Studio and applied for web development. Programming languages, PHP, as well as PhpMyAdmin. My organizational supervisor, who is also the COO of the company, helped me a lot throughout my Internship period. This internship opportunity has given me the opportunity to learn more about the development environment and gain industry experience. Specifically, how to deal with the corporate environment, client demand and ethics. I would like to thank everyone who has helped to make my time as an intern a memorable one.

Bibliography

[1] https://www.teamwork.com/project-management-guide/project-management-methodologies

[2] https://osarome.blogspot.com/2011/10/1-technical-feasibility-2-operational.html

[3] https://www.iaia.org/wiki-details.php?ID=23

Appendix-A (Code Snippets)

Login User

```
if (isset($_POST['signIn'])) {

if (empty($_POST['email']) || empty($_POST['password'])) {

echo "Username & Password should not be empty";

}

else

{


$email = $_POST['email'];

$password = $_POST['password'];


$sQuery = "SELECT id, password from account where email=? LIMIT 1";


// To protect MySQL injection for Security purpose

$stmt = $conn->prepare($sQuery);

$stmt->bind_param("s", $email);

$stmt->execute();

$stmt->bind_result($id, $hash);

$stmt->store_result();


if($stmt->fetch()) {

  if (password_verify($password, $hash)) {

          //$_SESSION['login_id'] = $id;
```

```
            // if (isset($_SESSION['pageStore'])) {
            //         $pageStore = $_SESSION['pageStore'];
            // }
            // else {

            $pageStore = "indexNext.php";

            // }
            header("location: $pageStore"); // Redirecting To Profile
            $stmt->close();
            $conn->close();
    }
    else {
            echo '<script>alert(Invalid Username & Password)</script>';
    }
}
else {
            echo '<script>alert(Invalid Username & Password)</script>';
}

//header("Location: indexNext.php");

$stmt->close();
$conn->close(); // Closing database Connection
```

```
}

}


?>
```

Registration Page

```
<div class="login-form-container">


        <i class="fas fa-times" id="form-close"></i>


        <form method="post" action="index.php">

        <h3>login</h3>

        <input type="email" name="email" class="box" placeholder="enter your email">

        <input type="password" name="password" class="box" placeholder="enter your password">

        <input type="submit" name="signIn" value="login now" class="btn">

        <!-- <a href="indexNext.php" class="btn">login</a> -->

        <input type="checkbox" id="remember">

        <label for="remember">remember me</label>

        <p>forget password? <a href="#">click here</a></p>

        <p>don't have and account? <a href="signup.php">register now</a></p>

        </form>


</div>
```

Home Page

```
<section class="home" id="home">

        <div class="content">
        <h3>adventure is worthwhile</h3>
        <p>dicover new places with us, adventure awaits</p>
        <a href="#" class="btn">discover more</a>
        </div>

        <div class="controls">
        <span class="vid-btn active" data-src="images/vid-1.mp4"></span>
        <span class="vid-btn" data-src="images/vid-2.mp4"></span>
        <span class="vid-btn" data-src="images/vid-3.mp4"></span>
        <span class="vid-btn" data-src="images/vid-4.mp4"></span>
        <span class="vid-btn" data-src="images/vid-5.mp4"></span>
        </div>

        <div class="video-container">
        <video src="images/vid-1.mp4" id="video-slider" loop autoplay muted></video>
        </div>

</section>
```

Booking

```
<section class="book" id="book">

        <h1 class="heading">
        <span>b</span>
        <span>o</span>
        <span>o</span>
        <span>k</span>
        <span class="space"></span>
        <span>n</span>
        <span>o</span>
        <span>w</span>
        </h1>

        <div class="row">

        <div class="image">
        <img src="images/book-img.svg" alt="">
        </div>

        <form action="">
        <div class="inputBox">
        <h3>where to</h3>
        <select name="places" id="places">
                <option value="coxsbazar">Cox's Bazar</option>
```

```
            <option value="sylhet">Sylhet</option>
            <option value="chittagong">Chittagong</option>
        <option value="bangkok">Bangkok</option>
            <option value="maldives">Maldives</option>
</select>
</div>
<div class="inputBox">
<h3>how many</h3>
<input type="number" placeholder="number of guests">
</div>
<div class="inputBox">
<h3>flight name</h3>
<select name="places" id="places">
            <option value="bangladesh">Bangladesh Airlines</option>
            <option value="thai">Thai Airlines</option>
            <option value="indian">Indian Airlines</option>
</select>
</div>
<div class="inputBox">
<h3>arrivals</h3>
<input type="date">
</div>
<div class="inputBox">
<h3>leaving</h3>
<input type="date">
```

```
            </div>
              <input type="submit" class="btn" value="book now">
            </form>


            </div>
```

Contact

```
<section class="contact" id="contact">

   <h1 class="heading">
      <span>c</span>
      <span>o</span>
      <span>n</span>
      <span>t</span>
      <span>a</span>
      <span>c</span>
      <span>t</span>
   </h1>

   <div class="row">

      <div class="image">
         <img src="images/contact-img.svg" alt="">
      </div>

      <form method="post" action="contact.php">
         <div class="inputBox">
            <input type="text" name="name" placeholder="name">
```

```
            <input type="email" name="email" placeholder="email">
        </div>
        <div class="inputBox">
            <input type="number" name="number" placeholder="number">
            <input type="text" name="subject" placeholder="subject">
        </div>
        <textarea placeholder="message" name="message" id="" cols="30" rows="10"></textarea>
        <input type="submit" name="contact" class="btn" value="send message">
    </form>

  </div>

</section>
```

An Undergraduate Internship on Online Ticket and Tour Management System

By

Farhan Ahsan Adib

Student ID: **1822302**

Summer, 2022

Consent Form

The student modified the internship final report as per the recommendations made by his academic supervisor during final viva, and the department can use this version for archiving.

(Signature of the Supervisor)

Ajmiri Sabrina Khan

Department of Computer Science & Engineering

Independent University, Bangladesh