VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM-590014

Internship Report on

" THEME PARK BOOKING PORTAL"

An internship report submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the Internship Work entitled "**FULL STACK WEB DEVELOPMENT**" has been successfully carried out by **MAHESH YADAV G (1DT19CS075)**, a bonafide students of **Dayananda Sagar Academy of Technology and Management** in partial fulfillment of the requirements for the award of degree in **Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum** during academic year 2022-2023. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for said degree.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DECLARATION

I, **MAHESH YADAV G,** bearing **USN 1DT19CS075**, student of VIII semester B.E., Department of Computer Science and Engineering, Dayananda Sagar Academy of Technology and Management, Bengaluru, declare that the Internship work entitled **FULL STACK WEB DEVELOPMENT** has been carried out by me and submitted in partial fulfillment of the course requirements for the award of degree in Bachelor of Engineering in Computer Science and Engineering from Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. The matter embodied in this report has not been submitted to any other university or institution for the award of any other degree.

MAHESH YADAV G : 1DT19CS075

INTERNSHIP CERTIFICATE

ACKNOWLEDGEMENT

The satisfaction and the euphoria that accompany the successful completion of any task would be incomplete without the mention of the people who made it possible. The constant guidance of these persons and encouragement provides, crowned our efforts with success and glory. Although it is not possible to thank all the members who helped for the completion of the internship work individually, I take this opportunity to express my gratitude to one and all.

I am grateful to management and our institute **DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT** with its very ideals and inspiration for having provided me with the facilities, which made this, work a success.

I express my sincere gratitude to **Dr. M Ravishankar,** Principal, Dayananda Sagar Academy of Technology and Management for the support and encouragement.

I am indebted with a deep sense of gratitude for the constant inspiration, encouragement, timely guidance and valid suggestion given to me by my guide **Dr. Kavitha C,** HOD, Department of CSE, Dayananda Sagar Academy of Technology and Management.

I am thankful to **TEQUED LABS** for providing me an opportunity to carry out the internship work in their esteemed organization.

I am thankful to all the staff members of the department for providing relevant information and helped in different capacities in carrying out this project.

Last, but not least, I owe my debts to my parents, friends and those who directly or indirectly have helped me to make the project work a success.

MAHESH YADAV G : 1DT19CS075

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CHAPTER 1
COMPANY OVERVIEW

1.1 Introduction

Tequed Labs Private Limited is a private company that was incorporated on January 22, 2018. It is based in Bangalore and is primarily a research and development center and educational institute. The company is focused on providing quality education on the latest technologies and developing products that are needed by society.

In addition to education and research, Tequed Labs is also involved in the distribution and sales of the latest electronic innovation products developed all over the world to their customers. They also offer project consultancy services where they undertake various projects from a wide range of companies and provide technical assistance, build products, and offer services to them.

The company has received numerous awards and recognition for their innovative products. Their women's safety device won the best ICT category project award at a state-level exhibit and was exhibited at NASSCOM PRODUCT CONCLVE 2017. They have also developed a device for the blind that can recognize objects and convert them into speech.

Tequed Labs has developed several other products, including automation of production lines and a remote quality control monitoring system, a mobile app and websites. One of Tequed Labs' projects was the world finalist in the international innovation challenge called MASTERPIECE in Dubai. It has also been exhibited at the NASSCOM Product Conclave and has received great appreciation from IT giants. This product has been patented with a patent number of 201741034208.

1.2 Mission

To upskill students with the latest and most advanced technologies which are highly valued in the industries in order to make them more creative, innovative and knowledgeable thereby improving their employability.

1.3 Vision

Tequed Labs is continuously involved in research about futuristic technologies and finding ways to simplify them for students, make them more innovative and knowledgeable thereby improving their employability.

1.4 Overview of the Company

Tequed Labs is a research and development center and educational institute based in Bangalore. It was started by Mr. Aditya S K and Mr. Supreeth Y S with the aim of providing quality education on the latest technologies and developing products that are of great need to society. The company is focused on delivering innovative solutions to its clients by leveraging its expertise in technology and research.

Tequed Labs offers a range of products and services, including educational programs, distribution and sales of electronic innovation products, and project consultancy. The educational programs offered by the company are designed to provide students with practical knowledge of the latest technologies, preparing them for a career in the technology industry. Tequed Labs also distributes and sells the latest electronic innovation products developed all over the globe to its customers.

The company's project consultancy service is aimed at providing technical assistance to various companies and helping them build products and provide services to their customers. Tequed Labs is continuously involved in research on futuristic and emerging technologies and finding ways to simplify them for its students.

With a focus on quality, innovation, and customer satisfaction, Tequed Labs has built a reputation for excellence in the technology industry. The company is committed to delivering outstanding results for its clients and providing its students with the knowledge and skills they need to succeed in the fast-paced world of technology.

Tequed Labs has developed several other products, including automation of production lines and a remote quality control monitoring system, a mobile app and websites. One of Tequed Labs' projects was the world finalist in the international innovation challenge called MASTERPIECE in Dubai. It has also been exhibited at the NASSCOM Product Conclave and has received great appreciation from IT giants. This product has been patented with a patent number of 201741034208.

1.5 Products and Services

Tequed Labs offers a range of products and services to its clients, including educational programs, product development services, project consultancy services, and distribution and sales of electronic innovation products.

The educational programs offered by Tequed Labs include training courses and workshops on various cutting-edge technologies, such as Internet of Things (IoT), machine learning, artificial intelligence, and robotics. The company's training programs are designed to equip students with the skills and knowledge necessary to succeed in the ever-evolving technology industry.

In addition to its educational programs, Tequed Labs also provides product development services to clients. The company's experienced team of professionals is skilled in developing innovative solutions to meet the specific needs of clients in various industries. Tequed Labs' product development services include conceptualization, design, prototyping, testing, and implementation.

Tequed Labs also offers project consultancy services to clients, helping them to achieve their goals through the use of technology. The company undertakes a wide range of projects, providing technical assistance and building products and services to meet the unique needs of each client.

Finally, Tequed Labs is involved in the distribution and sales of electronic innovation products developed globally to its customers. The company aims to provide its clients with the latest and most innovative products that can help them stay ahead in the highly competitive technology industry.

CHAPTER 2
DEPARTMENT OVERVIEW

2.2 Introduction

Tequed Labs is a multi-disciplinary innovation and research hub that houses several departments, each focused on a specific area of expertise. The company is committed to fostering a culture of innovation and creativity, and its departments work collaboratively to provide comprehensive solutions to clients in various industries.

One of the key departments at Tequed Labs is the product development department. This department is responsible for creating innovative products that meet the needs of society. The team of experts in this department has a diverse range of skills and experiences, and is passionate about using technology to create products that have a positive impact on society.

Another important department at Tequed Labs is the education department. This department is focused on providing quality education to students on the latest technologies that are developing around the world. The education department offers a range of programs and courses to students, covering topics such as artificial intelligence, machine learning, internet of things (IoT), robotics, and more. The goal of the education department is to equip students with the skills and knowledge they need to succeed in the technology industry.

2.2 Working Department of the Company

Tequed Labs is a technology-focused company with a range of working departments that specialize in various areas. These departments work in coordination with each other to provide clients with comprehensive solutions. Some of the key working departments at Tequed Labs are:

Research and Development: The Research and Development department is responsible for exploring and researching new technologies to stay ahead of the curve. This department focuses on developing cutting-edge products and services that meet the evolving needs of clients.

Educational Institute: The Educational Institute at Tequed Labs provides quality education to students on the latest technologies developing all over the world. This department is committed to fostering a culture of

innovation and creativity by providing students with hands-on experience and exposure to real-world problems.

Project Consultancy: Tequed Labs offers project consultancy services to various companies, providing technical assistance and building products and services to meet their specific needs. This department has a team of experts who work closely with clients to understand their requirements and provide customized solutions.

Product Development: The Product Development department is responsible for creating innovative products that benefit society. This department works on developing cutting-edge electronic innovation products that are distributed and sold globally to customers.

Sales and Distribution: The Sales and Distribution department is responsible for distributing and selling the latest electronic innovation products developed globally to customers.

In terms of my experience at Tequed Labs, I worked in the Full Stack Web Development department. This department is responsible for developing and maintaining web-based applications that meet the specific needs of clients. As a Full Stack Web Developer, my role involved working on both the front-end and back-end aspects of web development. I was responsible for designing user interfaces, developing server-side applications, and managing databases.

CHAPTER 3

PROJECT DESCRIPTION

3.1 Introduction

The theme park ticket or booking portal is an online platform where customers can purchase tickets, book rides, and plan their visit to a theme park. The portal provides customers with an easy and convenient way to purchase tickets and avoid long queues at the park. Customers can also browse various rides and attractions, select their preferred options, and make reservations online.

The theme park ticket or booking portal aims to improve the overall customer experience by providing a seamless and hassle-free ticket purchasing process. The portal will also provide information about various events and offers at the theme park, enabling customers to plan their visit in advance and make the most of their trip.

The theme park ticket or booking portal will be developed using PHP and MySQL technologies, providing a secure and reliable platform for customers to make transactions. The portal will be designed to be user-friendly, with a simple and intuitive interface that is easy to navigate. The theme park ticket or booking portal will also be mobile-friendly, allowing customers to make bookings and purchases on-the-go. Overall, the theme park ticket or booking portal will provide customers with a convenient and efficient way to plan their visit to a theme park, enhancing their overall experience and enjoyment.

3.2 Objectives of the Project

The main objective of this project is to create an online ticket and booking portal for a theme park. The portal will allow users to browse through the different attractions and rides offered by the theme park, view their descriptions and prices, and book tickets and passes for them. The project aims to achieve the following objectives:

- To provide a user-friendly and interactive interface for users to browse through the different rides and attractions offered by the theme park.

- To offer a secure and convenient online payment system that accepts multiple payment methods, ensuring a smooth and hassle-free ticket booking experience for users.

- To allow users to view the availability of tickets and passes for different rides and attractions in real-time, and make bookings accordingly.

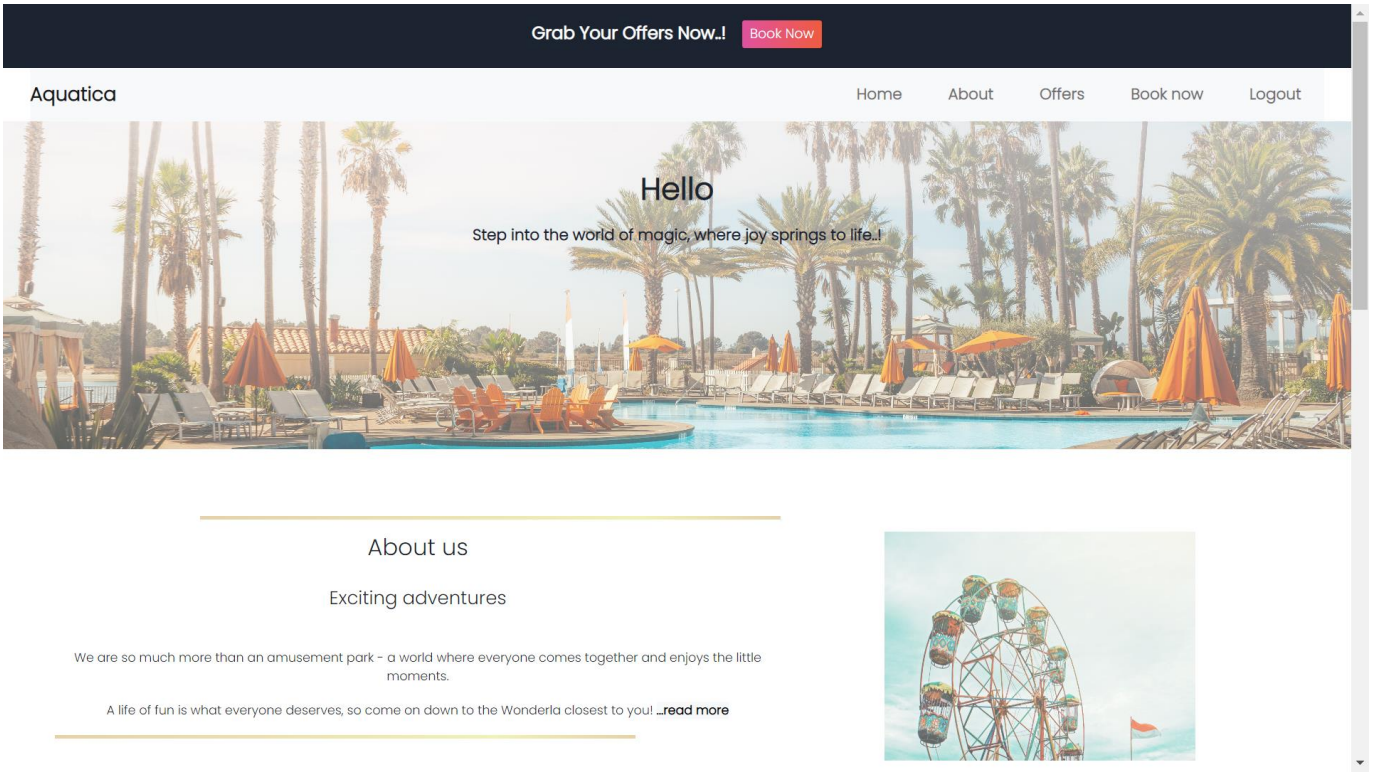
- To provide a dashboard for theme park administrators to manage the portal, add or remove rides and attractions, update pricing and availability, and view reports on ticket sales and revenue.

- To ensure the portal is accessible from any device, including desktops, laptops, tablets, and smartphones, making it easy for users to browse and book tickets on-the-go.

Overall, the project aims to provide a seamless and efficient online ticket booking experience for users while simplifying the management of the theme park's operations for administrators.

3.3 Snapshots

The theme park booking portal project includes several functionalities and features that enhance the user experience and streamline the booking process. Some of the key features of the project include:



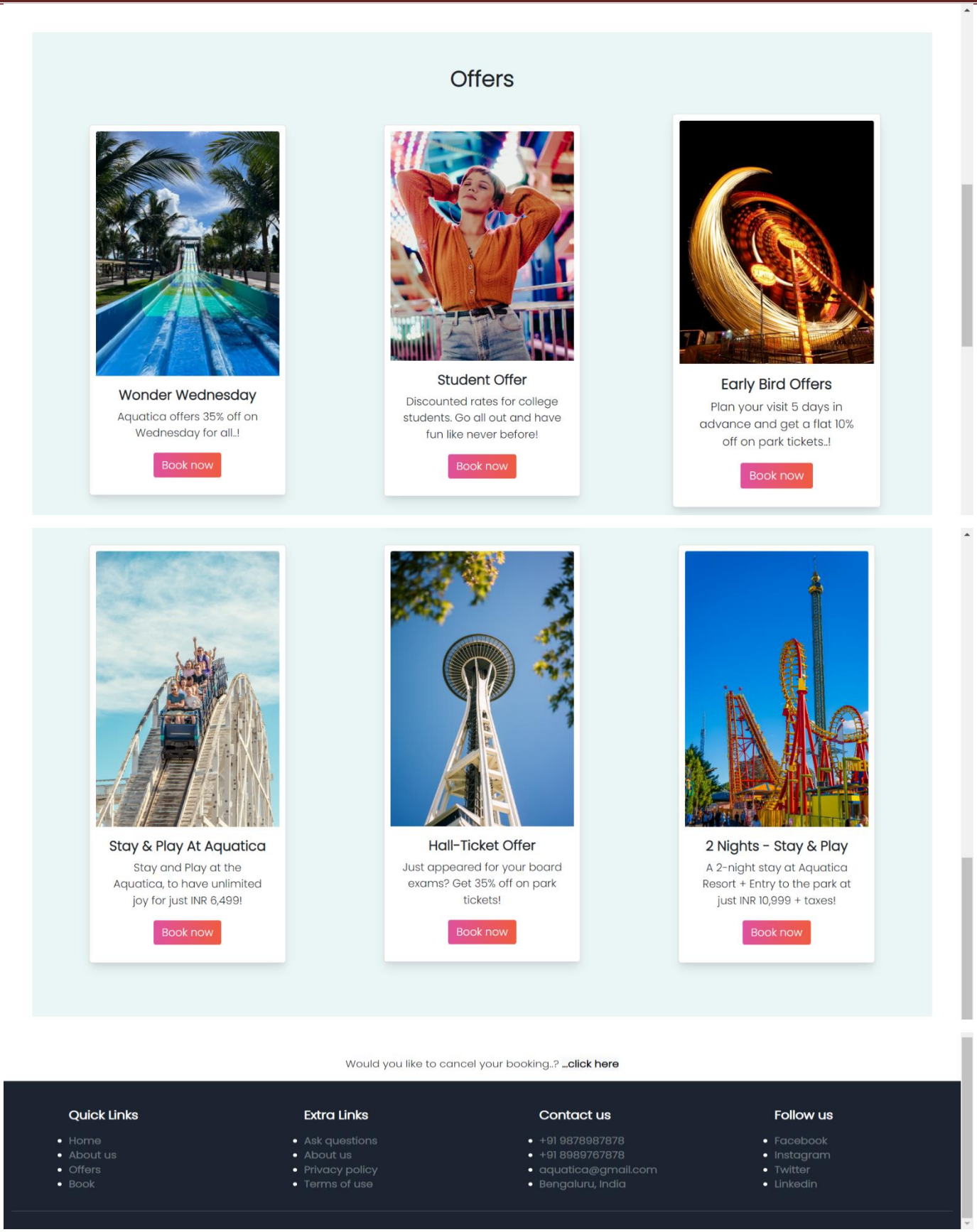


Fig. 3.3.1 User Interface (Home page)

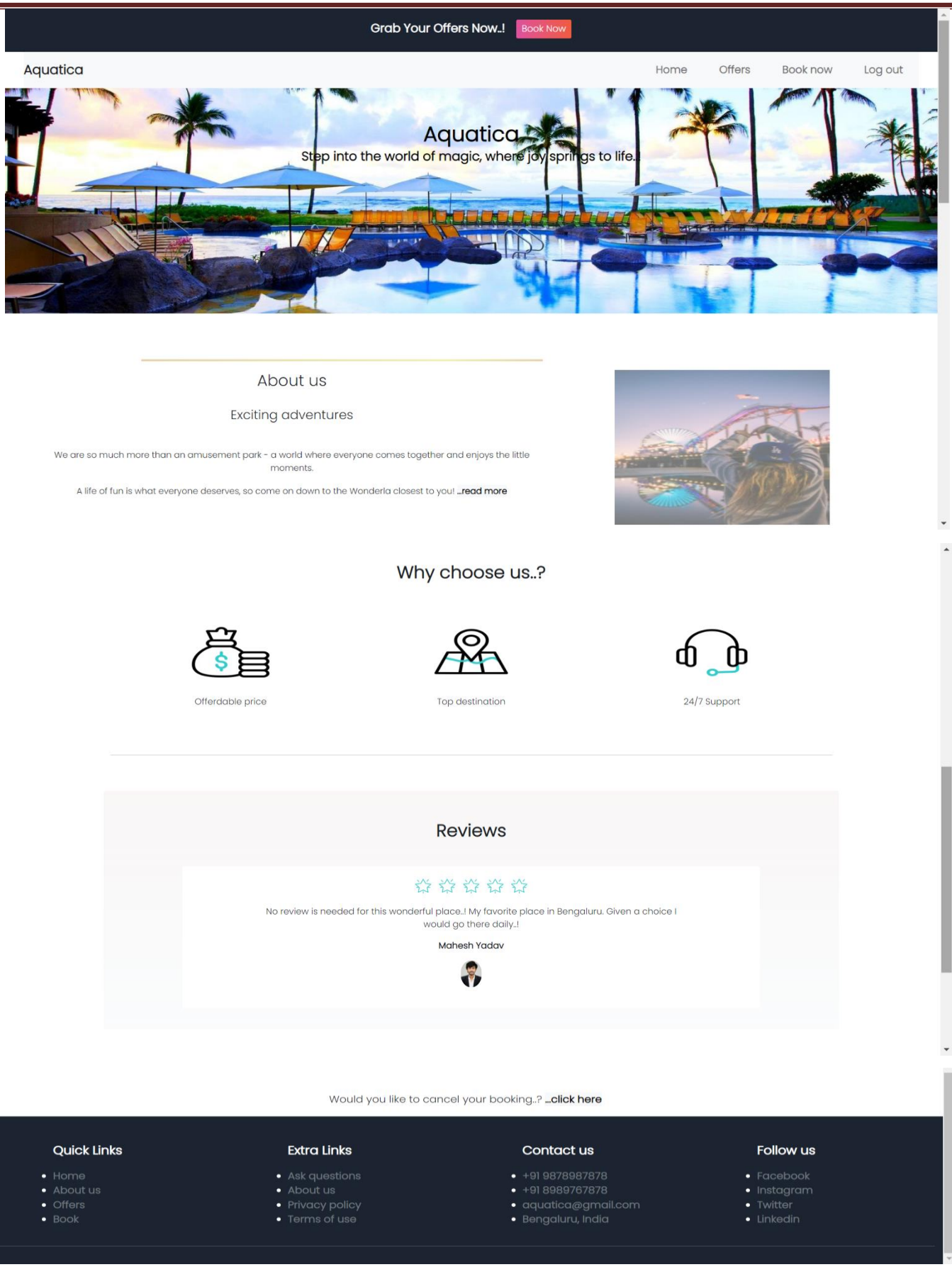


Fig. 3.3.2 User Interface (About Page)

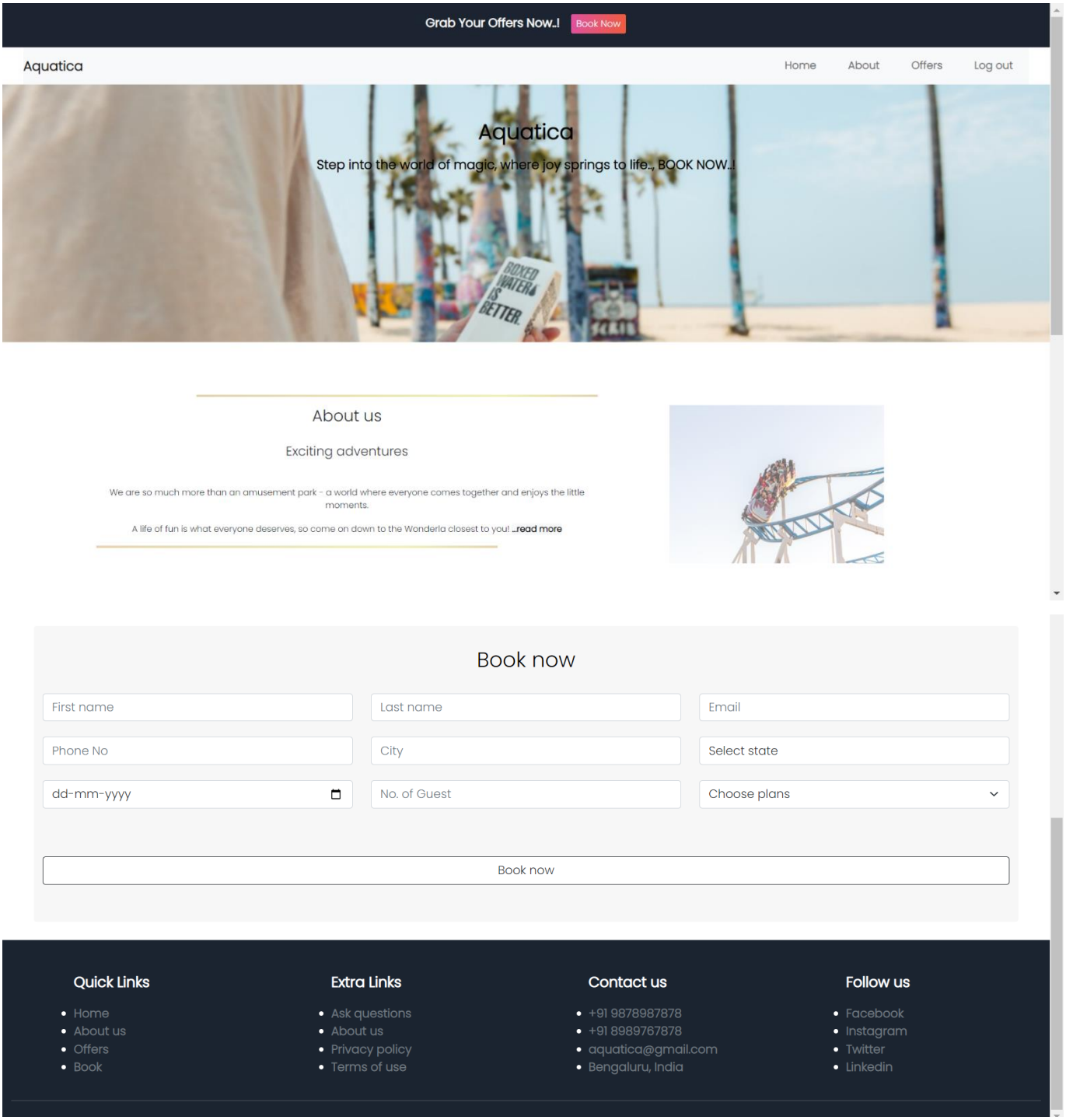
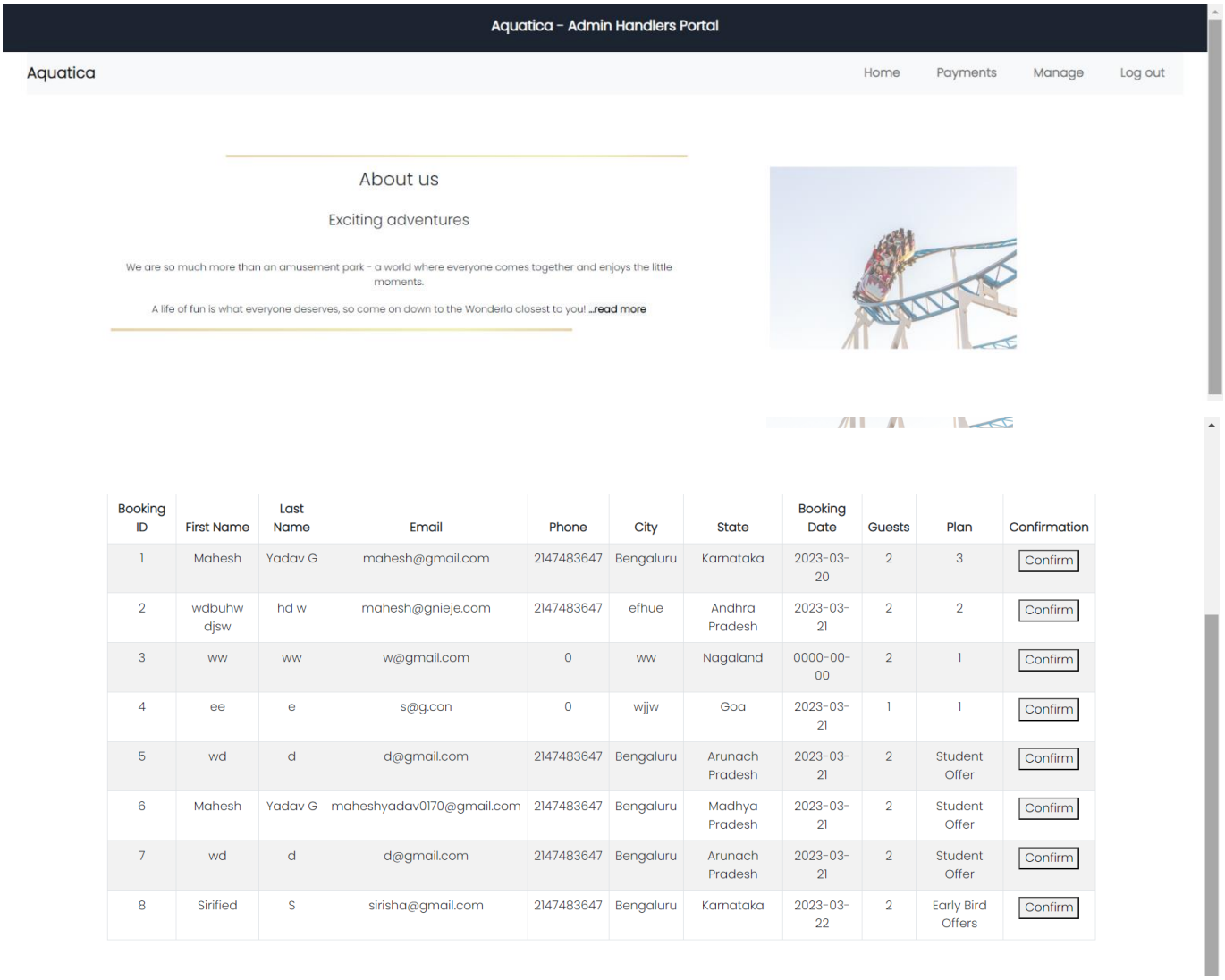


Fig. 3.3.3 (User Interface) Booking Page

The project includes a comprehensive booking system that enables users to select their desired theme park, date, and number of tickets, and complete their bookings in a few simple steps. The booking system includes a secure payment system that allows users to make online payments for their bookings.



Booking ID	First Name	Last Name	Email	Phone	City	State	Booking Date	Guests	Plan	Confirmation
1	Mahesh	Yadav G	mahesh@gmail.com	2147483647	Bengaluru	Karnataka	2023-03-20	2	3	Confirm
2	wdbuhw djsw	hd w	mahesh@gnieje.com	2147483647	efhue	Andhra Pradesh	2023-03-21	2	2	Confirm
3	ww	ww	w@gmail.com	0	ww	Nagaland	0000-00-00	2	1	Confirm
4	ee	e	s@g.con	0	wjjw	Goa	2023-03-21	1	1	Confirm
5	wd	d	d@gmail.com	2147483647	Bengaluru	Arunach Pradesh	2023-03-21	2	Student Offer	Confirm
6	Mahesh	Yadav G	maheshyadav0170@gmail.com	2147483647	Bengaluru	Madhya Pradesh	2023-03-21	2	Student Offer	Confirm
7	wd	d	d@gmail.com	2147483647	Bengaluru	Arunach Pradesh	2023-03-21	2	Student Offer	Confirm
8	Sirified	S	sirisha@gmail.com	2147483647	Bengaluru	Karnataka	2023-03-22	2	Early Bird Offers	Confirm

Fig. 3.3.4 Admin Home Page

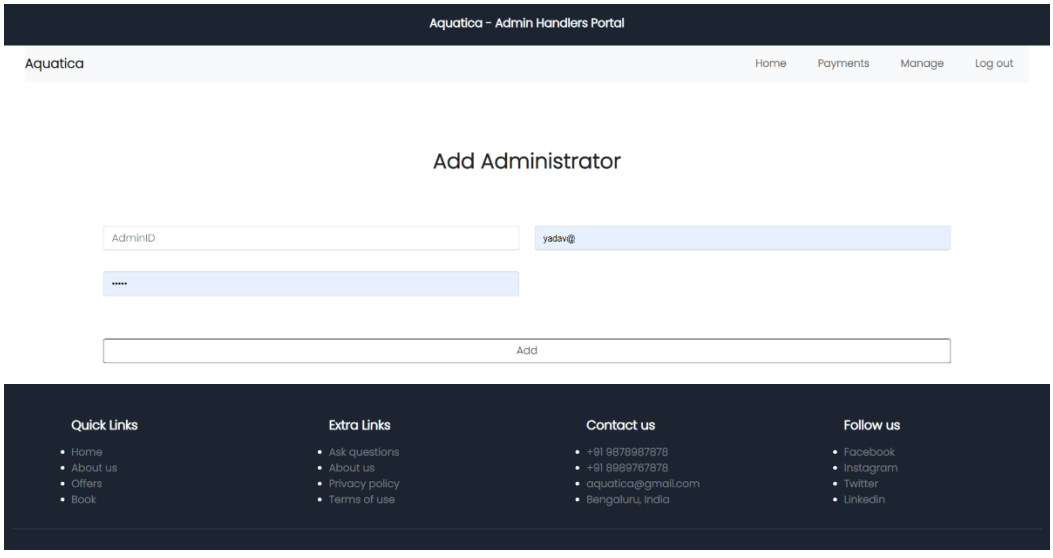


Fig. 3.3.5 Admin Manage Page

Table	Action	Rows	Type	Collation	Size	Overhead
adminlogindetails	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
customerbookings	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 KiB	-
customerinfo	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	32.0 KiB	-
3 tables	Sum	13	InnoDB	utf8mb4_general_ci	64.0 KiB	0 B

Fig. 3.3.6 Database tables

	cId	cFname	cLname	cEmail	cPassword	cPhone	cCity	cState
Edit Copy Delete	41	Mahesh	Yadav G	maheshyadav0170@gmail.com	12345	4294967295	Blr	Karnataka
Edit Copy Delete	44	mm	mm	npg@gmail.com	12345	0	rr	Andhra Pradesh
Edit Copy Delete	45	Mahesh	Yadav G	yadav@gmail.com	Mahesh@0160	0	Bengaluru	Karnataka

Fig. 3.3.7 customerinfo table

BookingId	custFname	custLname	custEmail	custPhone	custCity	custState	cDate	cGuestNo	plans
1	Mahesh	Yadav G	mahesh@gmail.com	2147483647	Bengaluru	Karnataka	2023-03-20	2	3
2	wdbuhw djsw	hd w	mahesh@gnieje.com	2147483647	efhue	Andhra Pradesh	2023-03-21	2	2
3	ww	ww	w@gmail.com	0	ww	Nagaland	0000-00-00	2	1
4	ee	e	s@g.con	0	wjjw	Goa	2023-03-21	1	1
5	wd	d	d@gmail.com	2147483647	Bengaluru	Arunach Pradesh	2023-03-21	2	Student Offer
6	Mahesh	Yadav G	maheshyadav0170@gmail.com	2147483647	Bengaluru	Madhya Pradesh	2023-03-21	2	Student Offer
7	wd	d	d@gmail.com	2147483647	Bengaluru	Arunach Pradesh	2023-03-21	2	Student Offer

Fig. 3.3.8 customerbookings table

adminId	adminUsername	adminPassword
1	yadav@	12345
2	mahesh@	67890

Fig. 3.3.9 adminlogindetails table

The project includes a database that stores all the necessary information about theme parks, rides, attractions, and bookings. The database is designed to be scalable and easy to maintain, with efficient search and filtering functionalities.

CHAPTER 4

REFLECTION NOTES

4.1 Executive Summary

The theme park booking portal project was a challenging but rewarding experience that provided an opportunity to apply and enhance technical and soft skills. The project aimed to create a user-friendly and efficient platform that allows users to browse different theme parks, view available rides and attractions, and book tickets online. The project was developed using HTML, CSS, JavaScript, Bootstrap, PHP, and MySQL.

The technical experience gained during the project was significant, as it involved working with a range of programming languages and tools. The project required extensive knowledge of front-end development, including HTML, CSS, and JavaScript, as well as back-end development using PHP and MySQL. The project also involved working with Bootstrap, a popular front-end development framework, which required understanding the grid system, responsive design, and JavaScript plugins. Overall, the project provided a valuable opportunity to develop technical skills and gain practical experience in web development.

In addition to technical skills, the project also provided an opportunity to enhance soft skills, such as communication, teamwork, and problem-solving. The project involved working in a team, which required effective communication and collaboration to ensure that project goals were met. The project also required problem-solving skills, as there were several challenges and issues that needed to be addressed throughout the development process. Overall, the project provided a valuable opportunity to develop and enhance a range of skills that are essential in any professional setting.

4.2 Technical Experience

The theme park booking portal project provided a valuable opportunity to gain technical experience in web development. The project involved working with a range of programming languages and tools, including HTML, CSS, JavaScript, Bootstrap, PHP, and MySQL. Each of these tools played a crucial role in the development of the project and required a significant amount of knowledge and skill to work with effectively.

One of the most challenging aspects of the project was working with PHP and MySQL to develop the back-end of the platform. This involved creating a database to store information about theme parks, rides, attractions, and bookings, as well as developing a booking system that allows users to select their desired theme park, date, and number of tickets. Working with PHP and MySQL required a thorough understanding of relational databases and query languages, as well as knowledge of web server environments and security considerations.

Another significant aspect of the project was working with Bootstrap to create a responsive and user-friendly interface. This involved understanding the grid system, responsive design principles, and JavaScript plugins, as well as the use of custom CSS to style the interface. Bootstrap provided a valuable tool for creating a consistent and professional-looking interface that works well on a range of devices.

Overall, the project provided a valuable opportunity to develop technical skills and gain practical experience in web development. The project required extensive knowledge of front-end and back-end development, as well as web server environments and security considerations. The technical skills gained during the project will be valuable in future web development projects and in a professional setting.

4.3 Soft skills

In addition to technical skills, soft skills were also an important aspect of the project. Communication, teamwork, and problem-solving were essential for the successful completion of the project. Clear communication helped to ensure that everyone involved in the project was on the same page and understood their roles and responsibilities. Regular meetings were held to discuss progress and any issues that arose, and feedback was given in a constructive manner to ensure that everyone was working towards the same goals.

Teamwork was also essential, as different team members brought different skills and expertise to the project. By working together, we were able to tackle more complex problems and come up with innovative solutions. Additionally, problem-solving was a crucial soft skill that was needed throughout the project. As issues arose, we had to think creatively to come up with solutions that were feasible and effective. This required a lot of critical thinking, analysis, and attention to detail, and it was important that everyone was able to work together to overcome any challenges that came our way. Overall, the development of these soft skills was just as important as the technical skills, as they enabled us to work more effectively as a team and to complete the project successfully.

CONCLUSION

In conclusion, the theme park booking portal project provided a valuable opportunity to gain technical and soft skills in web development. The project involved working with a range of programming languages and tools, including HTML, CSS, JavaScript, Bootstrap, PHP, and MySQL, which required extensive knowledge and skill to work with effectively. The project also provided an opportunity to develop soft skills such as communication, teamwork, and problem-solving, which are essential in any professional setting.

Throughout the project, several challenges and issues were encountered, which required the ability to work collaboratively and think critically to find effective solutions. The project also required a significant amount of time and effort to complete, which provided valuable experience in project management and time management.

Overall, the theme park booking portal project was a valuable learning experience that provided an opportunity to gain technical and soft skills, as well as experience in project management and time management. The skills developed during the project will be valuable in future web development projects and in a professional setting.

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