# 

# DESIGN AND IMPLEMENTAION OF A

# STUDENT ACCOMMODATION SYSTEM

# BY

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**CERTIFICATION**

This is to certify that the project work has been completed and it is original to the author, **ADEJOBI TEMITOPE SAMUEL (N/CS/21/2976)**, a student of Computer Science, Federal Polytechnic Ilaro, in accordance with the prescribed guidelines and objectives. This project report is the result of **2022/23** academic work carried out under the guidance and supervision of **MRS. BADA**, of Computer Science, Federal Polytechnic Ilaro.

(Project Supervisor)

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Date ……………………………….

(Head of Department)

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Signature ………………………….

Date ……………………………….

# 

**DEDICATION**

I dedicate this project report to the Almighty **God**, who has been the guiding light throughout this journey. His grace, wisdom, and blessings have been my source of strength and inspiration. I firmly believe that it is by His divine providence that I have reached this point. I also want to express my deep appreciation to my beloved parents, **Mr. A. Adejobi** and **Mrs. Kemi Adejobi**, whose unwavering support, encouragement, and sacrifices have been the cornerstone of my success. In particular, I would like to express my deepest gratitude to my Dad, whose relentless dedication to my success has been a constant source of motivation. This project is a testament to the values of hard work, determination, and resilience that he instilled in me. I owe all my achievements to God's blessings and their love, guidance, and unwavering belief in my abilities. Thank you, God, Mom, and Dad, for everything.

**ACKNOWLEDGEMENT**

I want to begin by acknowledging the grace of the Almighty God, without whom this project would not have been possible. His guidance and wisdom have illuminated my path throughout my academic journey, and I owe all my achievements to His blessings.

I must also acknowledge the support and guidance of my supervisor, MR, ADEGBOYE, and the faculty and staff of Computer Science at Federal Polytechnic Ilaro, as well as the help and camaraderie of my friends and course-mates.

This project report stands as a collective achievement, and I am deeply grateful to all these individuals and to God for their unwavering support, encouragement, and belief in my abilities.

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**ABSTRACT**

In today's rapidly evolving digital age, the management of events has become increasingly complex and demanding. This final year project, Design and Implementation of an Online Event Management System, aims to address the challenges associated with organizing and coordinating various types of events by creating a comprehensive and efficient online platform. The system leverages modern technologies and methodologies to ensure a seamless user experience for both event organizers and attendees. Key features include event creation, registration, ticketing, real-time communication, and reporting functionalities. This project adopts a systematic software development approach, including requirements analysis, design, implementation, testing, and deployment. It will use contemporary technologies and programming languages, ensuring scalability, security, and robustness. The user interface is designed to be intuitive, making it accessible for users with varying levels of technical proficiency. The online event management system aims to benefit event organizers by streamlining their administrative tasks, reducing manual work, and improving overall efficiency. Attendees will also benefit from a hassle-free registration process, easy access to event details, and interactive features for enhanced engagement. Furthermore, the system will offer insightful analytics for event organizers, allowing them to make data-driven decisions and improve future events.

# CHAPTER ONE

* 1. **INTRODUCTION**

In our current era of automated systems with it being either software or hardware, it’s not advisable to be using manual system. Houses without a management system are usually done manually. Registration forms verification to other data saving processes are done manually and most at times, they are written on paper. Thus a lot of repetitions can be avoided with an automated system. The drawbacks of existing systems lead to the design of a computerized system that will help reduce a lot of manual inputs. With this system in place, we can improve the efficiency of the system, thus overcome the drawbacks of the existing manual system. This system is designed in favor of the realtors which helps them to save the records of the students about their rooms and other things. It helps them from the manual work from which it is very difficult to find the record of the students and the mess bills of the students. This system gives an idea about how a student and fee details, room allocation, mess expenditure are maintained in a better way. The Student accommodation system will also contain special features like how many bathrooms, type of houses, free rooms or space available. The administration has a unique identity for each member as well as students details.

**1.2**  **STATEMENT OF THE PROBLEM**

The growing number of students in higher institutions all over the world has posed a lot of accommodation problem on the part of students and school management. Students at the beginning of each session waste half of the semester looking for accommodation. Statistics of the number of rooms required to match the growing number of students are far fetched. Most often, students pay for hostel fee and end up not getting one due to lack of bed space. Hostel administrators can not give accurate information of the occupancy of a particular room. These and many more forms the statement of the problem that necessitated this research work.

**1.3 AIM AND OBJECTIVES OF THE STUDY**

The project is designed to help in the accommodation system in the polytechnic. The main objective of the new system includes.

1. Develop on online based system that shows student various houses and locations
2. Ensure seamless communications between students and the realtors
3. To offer affordable housing options that align with students' financial constraints, thereby aiding them in managing their living expenses effectively.

**1.4 SIGNIFICANCE OF STUDY**

**Enhances Student Experience:**

Accommodation choices directly impact students’ enjoyment of university life.

Living arrangements influence social interactions, friendships, and overall well-being.

Proximity to campus ensures convenience, especially during early morning classes (no more mad-dashes in pajamas!).

Living in a college dorm provides a unique experience, including roommates and shared spaces1.

**Academic Performance and Well-Being:**

Access to suitable accommodation positively impacts academic success.

A comfortable living environment allows students to focus on their studies.

Feeling secure and connected encourages students to take on academic challenges.

Living together in a respectful community fosters mental health and overall well-being2.

**Equitable Access and Inclusion:**

Accommodations are essential for ensuring equal access for all students.

They don’t change what students learn but modify how they learn.

For students with disabilities, accommodations level the playing field.

Inclusivity is crucial for a diverse student population

**1.5    SCOPE OF THE STUDY**

The scope of the study is defined by the following key elements:

1. **Accommodation Types:** The study will focus on various types of student accommodations, which may include dormitories, apartments, shared housing, or off-campus options.
2. **Location and Geography:** The study will be conducted within a specific geographic area or with a focus on particular educational institutions where the student accommodation system is applicable.
3. **Target Audience:** The research will define the target demographic and student population for whom the accommodation system is intended, considering factors such as undergraduate, graduate, or international students.
4. **Aims and Objectives:** The study will clearly define and analyze the aims and objectives of the student accommodation system, focusing on areas such as affordability e.t.c
5. **Feedback and Improvement:** The study will investigate the feedback mechanisms and processes used to continuously improve the accommodation system based on resident input.

**1.6     LIMITATIONS**

Some of the constraints encountered during this project design include the following:

* **Financial Constraints:**The design was achieved but not without some financial involvements. One had to pay for the computer time. Also the typing and planning of the work has its own financial involvements.
* **High programming Technique:**The programming aspect of this project posed a lot of problematic bugs that took me some days to solve. Problems such database connections using Sql lite and access database posed a lot of challenges.
* **Few Literature Sources:** The topic though seems to be a common term; it is not a popular topic to surf from the Internet. It had fewer literature sources.

**1.7 DEFINITION OF TERMS**

**I. Student Accommodation System:** A software application or system designed to manage the allocation, reservation, and administration of housing facilities for students within an educational institution. It typically includes features for room booking, payment processing, and room assignment.

**II. Room Allocation:** The process of assigning students to specific rooms or accommodations based on their preferences, availability, and other relevant criteria.

**III. Reservation System:** A component of the student accommodation system that enables students to book or reserve rooms or housing units for specific periods, such as semesters or academic terms.

**IV. Admin Dashboard:** secure web interface or control panel for system administrators to manage and oversee various aspects of the student accommodation system, including room allocation, user accounts, and reporting.

**V. Database Management System (DBMS):** A software system used to create, manage, and manipulate databases. In the context of a student accommodation system, it stores data related to student profiles, room availability, reservations, and other relevant information.

**VI. Room Inventory:** Definition: A database or record of all available rooms or housing units, including details such as room type, capacity, amenities, and pricing

CHAPTER TWO

LITERATURE REVIEW

A student accommodation system is a comprehensive platform or framework designed to manage and facilitate the housing needs of students, particularly those attending universities, colleges, or other educational institutions. It streamlines the processes of finding, reserving, allocating, and managing student accommodations, which can include dormitories, apartments, or other types of housing. The system aims to provide students with convenient and safe living arrangements while optimizing the utilization of available housing resources. It often involves digital tools and databases to match students with suitable accommodations based on their preferences, allocate rooms efficiently, and manage related administrative and financial aspects.

A student accommodation system has various significance which are

1. Access to Safe Housing: Many students, especially those studying in new cities or countries, may not be familiar with the local housing options and safety standards. A student accommodation system ensures that accommodations provided through the platform meet safety and quality standards, offering a level of assurance to students and their families.
2. Convenience and Accessibility: The system simplifies the process of finding suitable accommodations. Students can search for housing options based on their preferences and needs, reducing the time and effort required for house hunting. This convenience is particularly valuable for international or out-of-town students who may not be familiar with the local housing market.
3. Affordability: Student accommodation systems often offer a range of housing options to cater to different budget constraints. They can provide information about pricing, allowing students to make informed choices that align with their financial means. Additionally, they may offer payment plans or financial aid options to ease the financial burden of accommodation.

The primary goal and objective of this system is to:

1. Provide students with suitable and affordable accommodation options.
2. Ensuring the safety and security of students.
3. Streamlining the allocation and management of student accommodations.
4. Enhancing the overall student experience.

Student Information Database: Contains details about students (e.g., preferences, personal information).

Accommodation Inventory: Lists available housing units and their attributes.

Allocation Algorithm: Determines the allocation of students to accommodations.

Reservation and Booking System: Allows students to request and confirm accommodations.

Payment and Billing System: Manages financial transactions related to accommodation fees.

**2.2 RELATED WORKS**

1. **SmartAccommodate:** A Data-Driven Accommodation Platform

**Description**: SmartAccommodate is an innovative student accommodation platform that incorporates data analytics for improved decision-making. The system uses machine learning algorithms to analyze historical data on student preferences, occupancy rates, and feedback to enhance the accuracy of room allocations. It also includes predictive modeling to anticipate peak accommodation demand periods.

**Strengths**: The data-driven approach has led to a more informed allocation process, reducing instances of room mismatches. The platform provides administrators with insightful analytics for strategic planning and resource allocation.

**Weaknesses**: Challenges include the need for continuous data updates and potential privacy concerns related to the extensive use of student data in predictive modeling.

1. **AccommoConnect:** An Integrated Accommodation and Campus Services System

**Description**: AccommoConnect is an example of a system that goes beyond accommodation management to integrate various campus services. It combines accommodation information with campus events, transportation schedules, and academic calendars, offering students a holistic view of their university experience.

**Strengths**: The integration of accommodation with other campus services enhances the overall student experience. Students can easily access information on campus events, transportation options, and academic deadlines through a unified platform.

**Weaknesses:** Challenges include the complexity of integrating diverse campus services and the potential for information overload for users unfamiliar with the system.

1. **MobileAccommodate:** A Mobile-First Accommodation System

**Description**: MobileAccommodate is designed with a mobile-first approach, recognizing the prevalence of smartphones among student populations. The system provides a responsive and intuitive mobile interface for students to search for accommodations, submit preferences, and receive notifications.

**Strength**s: The mobile-first design enhances accessibility for students on the go, offering a seamless experience across devices. The system incorporates push notifications for real-time updates, improving communication with users.

**Weaknesses**: Challenges may include potential limitations in functionality compared to desktop versions and the need for continuous optimization for various mobile platforms.

2.3 **PROPOSED SYSTEM**

This project is aimed at developing a system for keeping records and showing information about various houses. This system will help student easily get accommodation This system will provide full information about a particular house. It will show rooms available or not and number of beds in a particular house. Also included is a user module for employees or the administrator module which will accessed by the administrator and has the ability to delete, add and edit various listings

This system will be developed with a python webframe work called jango and bootsstrap is good for the development and design of web based programs Whiles SQLlite is good for databases because of its security and its advanced features and properties.

**2.4 EXISTING SYSTEM**

The existing system is manual based and need lot of efforts and consume enough time. In the existing system we can apply for the hostels online but the capacity provided wouldn’t be enough

**2.4.1 DISADVANTAGES:**

i. More human power

ii. More strength and strain of manual labour needed

iii. Repetition of same procedure.

iv. Low security.

v. Data redundancy.

vi. Difficulty to handle.

CHAPTER THREE

FEASIBILITY STUDY

**3.0 RESEARCH METHODOLOGY**

The methodology employed in this project outlines a systematic approach for the development of my event scheduling and management application. Beginning with extensive research and requirements gathering, I aim to gain a deep understanding of user needs and industry best practices. This knowledge informs the design phase, where I’ll create intuitive user interfaces and user experiences. My development process follows agile principles, allowing for flexibility and iterative enhancements. Rigorous testing ensures reliability and quality, while a user-centric focus remains at the core. Deployment, user training, and ongoing monitoring complete our methodology, ensuring a well-rounded and effective application for seamless event management.

The methodology for this project is discussed in subsequent detailed paragraphs below;

1. **Observation:** this refers to the systematic process of gathering data and information through the careful examination of real-world events, situations, or user interactions relevant to the Event Management software. This involves monitoring, recording and analyzing how event management processes currently operate, as well as user behaviors and needs, to inform the design and development of the software solution. Observations help identify pain points, requirements, and opportunities, guiding the project’s design and implementation phases.
2. **Interview:** Interview is a structured conversation or interaction between one (interviewer) or more individuals (interviewees) with the purpose of gathering information, insights, or opinions on a specific topic.
3. **Document Analysis:** Document analysis is a research method that involves the systematic examination and evaluation of written or textual materials to extract valuable information, insights, or data relevant to a particular research topic or project. This analysis can help inform the design and implementation of the software by identifying best practices and potential areas of improvement.

**3.1 OVREVIEW OF NEW SYSTEM DESIGN**

Web based Event Management System (EMS) is designed to help avoid several common problems and challenges in Event Planning and Management, including: Manual and time consuming processes, inefficient communication, lack of centralized information, poor attendee engagement, data management, limited visibility, scalability issues and sponsorship management.

**3.1.1 Class Modelling (class diagram)**

Class modelling shows the classes of systems and interrelationship (inheritance, aggregation, association) and operation and attributes of the classes. Classes are modelled as rectangles with three sections or compartments, the top section for the name of the class-name, middle section for the attributes of the class, and the bottom section for the methods of the classes.

Host

Hostname

Host email

Add listings

Remove listings

Delete listings

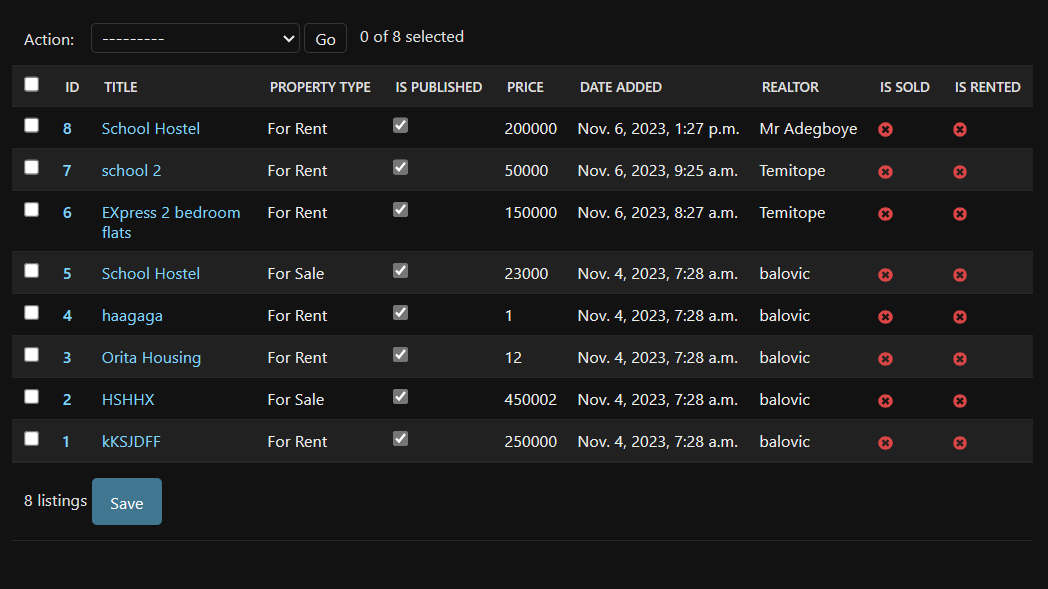
Students

Accommodations

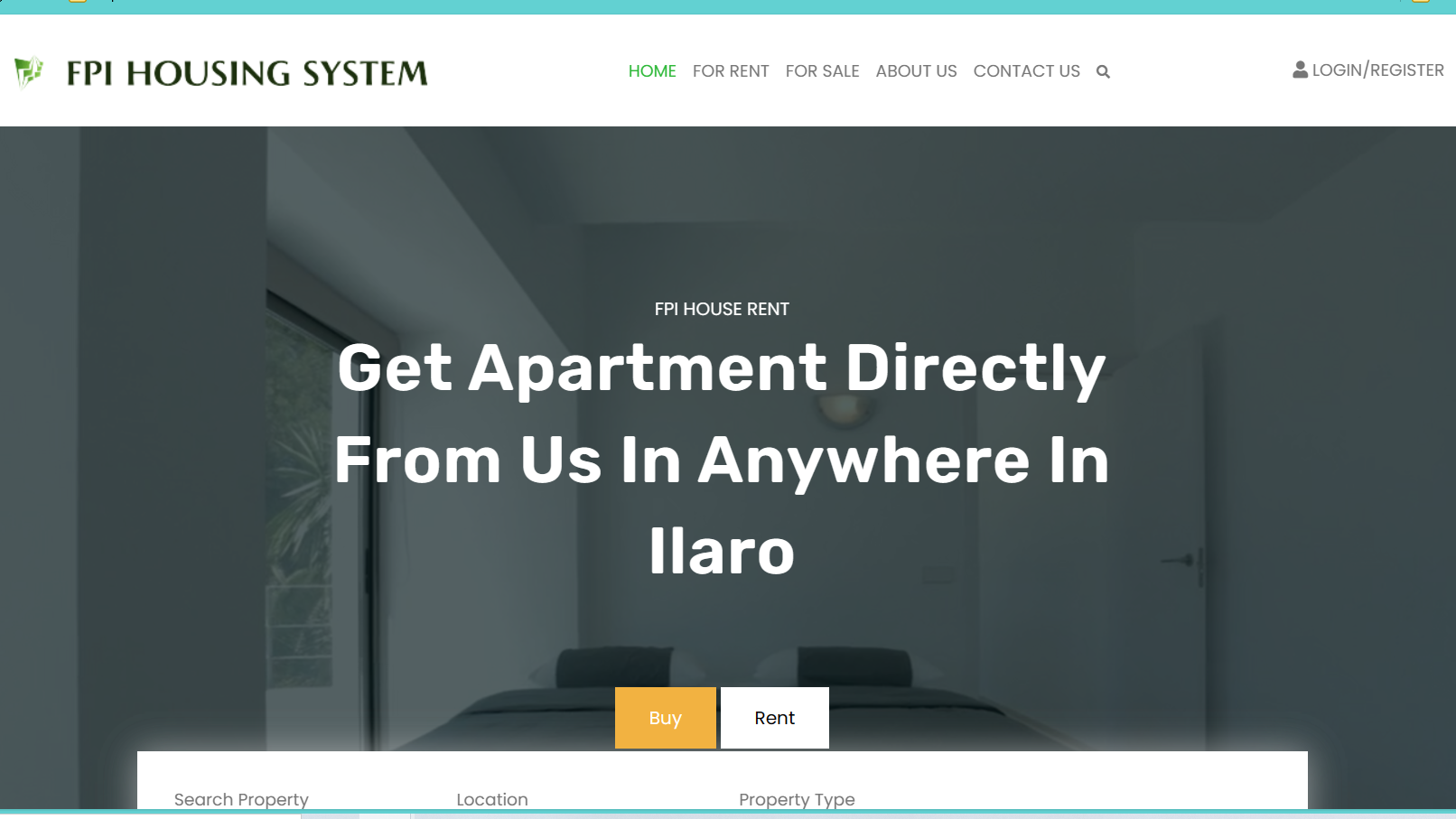
Realtors

**3.2 INPUT DESIGN**

**Table 3.2.1: Table (Host)**



**3.3 OUTPUT DESIGN**



**Fig 3.3.1: Output Design (landing page)**

CHAPTER FOUR

SYSTEM DESIGN

**4.0 RESULT AND DISCUSSION**

**4.1 SOFTWARE REQUIREMENT**

The success of any software project hinges on a clear and comprehensive understanding of the software requirements. In the context of the development and implementation of our event management software, it is essential to identify and define these requirements to guide our project's scope, design, and development.

**1. Realtor Registration and Authentication:**

- The software will provide a user registration system to allow event organizers, participants, and administrators to create and manage their accounts.

- It will include secure authentication mechanisms to protect user data and ensure authorized access.

**2. Creation and Management:**

- Realtors will be able to create and manage events, including setting event details, dates, and locations.

- It should allow for the creation and editing of various houses

**3. Security:**

- The software will ensure data security through encryption, secure authentication, and access controls.

- It will provide protection against common web application security threats, such as SQL injection and cross-site scripting.

**4.2 HARDWARE REQUIREMENT**

The development and successful implementation of an event management software require careful consideration of the underlying hardware infrastructure. Meeting these hardware requirements is essential to ensure optimal performance, scalability, and reliability of the software system.

Server Infrastructure:

1. Web Server:

- High-performance web servers are essential for hosting the software platform. We recommend the use of modern, reputable web server software such as Apache, Nginx, or Microsoft Internet Information Services (IIS).

2. Database Server:

- A dedicated database server is crucial for storing and managing event data efficiently. Utilize robust database management systems like SQL lite, PostgreSQL, or Microsoft SQL Server, depending on the platform's technology stack.

3. Server Hardware:

- The hardware specifications of the web and database servers should be selected based on anticipated traffic and workload. This includes considerations for CPU, RAM, and storage capacity. Load balancing mechanisms may be employed for high availability and scalability.

Client Devices:

4. User Devices:

- The software should be accessible from a wide range of user devices, including desktop computers, laptops, smartphones, and tablets. Ensure that the software interface is responsive to different screen sizes and resolutions.

5. Mobile Devices:

- If dedicated mobile apps are developed, they should be compatible with a variety of mobile devices and operating systems, including iOS and Android.

Network Infrastructure:

6. High-Speed Internet Connection:

- Both the server infrastructure and user devices should have access to high-speed internet connections to ensure quick data retrieval and optimal user experience.

7. Load Balancers:

- Employ load balancers to distribute incoming network traffic across multiple servers. This enhances the system's reliability and availability.

8. Firewalls and Security Measures:

- Implement network firewalls and security protocols to protect against cyber threats and unauthorized access. Secure Socket Layer (SSL) certificates should be used to ensure secure data transmission.

Data Backup and Redundancy:

9. Data Backup Servers:

- Maintain data backup servers to ensure data redundancy and disaster recovery. These servers should be geographically separated from the primary servers to prevent data loss in case of catastrophic events.

Scalability Planning:

10. Scalability Hardware:

- Hardware should be selected and configured to support the anticipated scalability requirements. This may involve horizontal scaling by adding additional servers or vertical scaling by increasing the capacity of existing servers.

**CHAPTER FIVE**

**5.0 CONCLUSION AND RECOMMENDATION**

**5.1 CONCLUSION**

In this chapter, I embarked on a comprehensive exploration of the development and implementation of an event management software solution. As I delved into the intricacies of this process, I unveiled the multifaceted nature of Student accomodation, the need for efficient and scalable solutions, and the challenges and opportunities associated with software development in this domain. My journey began by identifying the core requirements and objectives of event management software, which laid the foundation for the subsequent development stages. The development process itself encompassed various critical elements, from initial concept and design to the selection of appropriate technologies, rigorous coding, and extensive testing. These stages were guided by the best practices outlined in software engineering and project management literature (Sommerville, 2016).

Furthermore, I examined the vital role of user experience (UX) design in ensuring the usability and effectiveness of the software, a concept that has gained prominence in recent years (Norman, 2013). I recognized that a seamless and intuitive user interface is essential to cater to the diverse needs of event planners and attendees. The implementation phase was another key segment of my journey. It involved deploying the software in real-world event scenarios, where the importance of robustness, scalability, and security became evident (Hunt & Thomas, 2018). Successful implementation also hinged on a robust marketing strategy to create awareness and attract a user base.

Throughout my exploration, it became apparent that the software development and implementation process is a dynamic and evolving field, driven by innovation and the ever-changing needs of the event industry. The landscape is populated with a myriad of software solutions, from comprehensive event planning platforms to specialized event marketing tools, each catering to distinct requirements.

To end with, the development and implementation of event management software is an intricate and rewarding endeavor. It empowers event planners, improves attendee experiences, and streamlines event logistics. **While my journey in this chapter has been extensive, it only scratches the surface of the possibilities and potential that software offers to this vibrant industry. Future innovations and advancements will continue to reshape the landscape, and system accommodation system software will play an indispensable role in the society.**

**5.2 RECOMMENDATION**

As I conclude my in-depth exploration of the development and implementation of event management software, I'd like to present a set of recommendations that stem from my research and insights gained during this project. These recommendations are intended to guide our future actions and decisions as I refine our software and its deployment.

**1. Continuous User Engagement:** I strongly recommend the establishment of a robust mechanism for ongoing user feedback. Active engagement with event planners, organizers, and participants to gather their input on the software's usability, features, and any challenges they face. Regular surveys, user groups, and feedback channels can help us fine-tune the software to meet their evolving needs.

**2. Scalability at the Core:** It's imperative that we prioritize scalability and flexibility in our software architecture. Events come in all shapes and sizes, and our software should effortlessly adapt to accommodate everything from small gatherings to large-scale conferences. Our solution should grow with our users' demands.

**3. Security First:** In today's digital landscape, data security is paramount. I recommend a comprehensive approach to data protection, including robust encryption, access controls, and routine security audits. Maintaining the trust of our users hinges on safeguarding their sensitive information.

**4. Seamless Integration:** To provide a truly comprehensive event management experience, our software should be designed with easy integration in mind. Compatibility with other event-related tools, such as marketing platforms and payment gateways, will streamline operations for event organizers and participants alike.

**5. Mobile Optimization:** With the prevalence of smartphones, our software should be mobile-optimized, or even better, equipped with a dedicated mobile app. This ensures that our users can manage and participate in events from their smartphones, providing greater convenience and accessibility.

**6. Routine Updates and Maintenance:** We should commit to a regular schedule of software updates and maintenance. Staying current with technological advancements and addressing bugs promptly is essential to ensure that our software remains reliable and continues to meet user expectations.

**7. Comprehensive Support:** Let's provide our users with comprehensive training materials and responsive customer support. A well-informed user base is crucial, and exceptional support services will minimize frustrations and contribute to an overall positive experience.

**8. Sustainability Matters:** In this age of heightened environmental awareness, consider the sustainability aspect in our software development. Promote virtual events, optimize resource usage, and minimize waste. Sustainability is not just a societal responsibility but also a competitive advantage.

**9. Collaboration with Industry Experts:** Engaging with event planning professionals and industry experts can offer us invaluable insights. Collaborative efforts will help us tailor our software to meet the unique needs and challenges faced by event organizers.

**10. Stay Ahead of the Curve:** Lastly, let's keep a close eye on industry trends and emerging technologies. Our software's relevance and competitiveness depend on our ability to proactively adopt innovations. By staying informed and adaptable, we can ensure our software is always on the cutting edge.

Incorporating these recommendations into my software development and deployment strategy will position us for success in a dynamic and ever-evolving event management landscape. By focusing on user engagement, scalability, security, and sustainability, I can continue to meet the diverse needs of our users and provide them with a truly exceptional event management experience. Thank you for your guidance and support throughout this project.

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**APPENDICES**

              <label>Search Property</label>

                                    <div class="input-box">

                                        <i class="flaticon-search"></i>

                                        <input type="text" placeholder="Search Property">

                                    </div>

                                </div>

                            </div>

                            <div class="col-lg">

                                <div class="form-group mb-0">

                                    <label>Location</label>

                                    <div class="input-box">

                                        <i class="flaticon-placeholder"></i>

                                        <select class="niceSelect">

                                            <option value="1">Input Location</option>

                                            <option value="2">Argentina</option>

                                            <option value="3">Belgium</option>

                                            <option value="4">Canada</option>

                                            <option value="5">Denmark</option>

                                        </select>

                                    </div>

                                </div>

                            </div>

                            <div class="col-lg">

                                <div class="form-group mb-0">

                                    <label>Property Type</label>

                                    <div class="input-box">

                                        <i class="flaticon-add-user"></i>

                                        <select class="niceSelect">

                                            <option value="1">Luxury</option>

                                            <option value="2">Deluxe</option>

                                            <option value="3">Premium</option>

                                        </select>

                                    </div>

                                </div>

                            </div>

                            <div class="col-lg">

                                <div class="form-group mb-0 mt-4">

                                    <a href="#" class="nir-btn w-100"><i class="fa fa-search mr-2"></i> Search Now</a>

                                </div>

                            </div>

                        </div>

                    </div>

                </div>

            </div>

    </div>

</div>

<!-- form main ends -->

<!-- Trending Starts -->

<section class="trending">

    <div class="container">

        <div class="section-title mb-6 pb-1 w-75 mx-auto text-center">

            <h2 class="m-0">More Featured <span>Property</span></h2>

            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

        </div>

        <div class="trend-box">

            <div class="row">

                {% for house in house\_list %}

                    <div class="col-lg-6 mb-4">

                        <div class="trend-item box-shadow p-3">

                            <div class="row">

                                <div class="col-lg-4 col-md-4 pe-0">

                                    <div class="trend-image1">

                                         <a href="{{house.photo\_main.url}}"><img src="{{house.photo\_main.url}}" alt=""></a>

                                    </div>

                                </div>

                                <div class="col-lg-8 col-md-8">

                                    <div class="trend-content">

                                        {% if house.property\_type == 'sale' %}

                                            <h5 class="theme">For Sale</h5>

                                        {% elif house.property\_type == 'rent' %}

                                            <h5 class="theme">For Rent</h5>

                                        {% endif %}

                                        <h4><a href="#">{{house.title}}</a></h4>

                                        <div class="entry-meta d-flex align-items-center justify-content-between pb-1">

                                            <div class="entry-author">

                                                <p>Start From<span class="d-block theme fw-bold">${{house.price}}</span></p>

                                            </div>

                                            <div class="entry-metalist d-flex align-items-center">

                                                <ul>

                                                    <li class="me-2"><i class="fa fa-eye"></i></li>

                                                    <li class="me-2"><i class="fa fa-heart"></i></li>

                                                </ul>

                                            </div>

                                        </div>

                                        <ul class="d-flex align-items-center justify-content-between border-t pt-2">

                                            <li class="me-2"><i class="fa fa-eye"></i> {{house.bedrooms}} Beds</li>

                                            <li class="me-2"><i class="fa fa-heart"></i> {{house.bathrooms}} Baths</li>

                                            <li><i class="fa fa-comments"></i> {{house.sqft}} Sq Ft</li>

                                        </ul>

                                    </div>

                                </div>

                            </div>

                        </div>

                    </div>

                {% endfor %}

                    <div class="col-lg-12 text-center">

                        <a href="{% url 'listings' %}" class="nir-btn">Load More</a>

                    </div>

            </div>

        </div>

    </div>

</section>

<!-- Trending Ends -->

<!-- about-us starts -->

<section class="about-us bg-white pb-6 pt-0">

    <div class="container">

        <div class="section-title mb-6 pb-1 w-75 mx-auto text-center">

            <h2 class="m-0">Why <span>Choose</span> Us?</h2>

            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

        </div>

        <div class="about-image-box">

            <div class="row d-flex align-items-center justify-content-between">

                <div class="col-lg-6 col-sm-12 mb-4">

                    <div class="about-content text-center text-lg-start">

                        <h4 class="bg-theme white px-4 py-1 d-inline-block">Building Facilities</h4>

                        <h2 class="border-b mb-2 pb-2">Making living spaces More Beautiful</h2>

                        <p class="mb-0">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.<br><br>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>

                    </div>

                </div>

                <div class="col-lg-6 col-sm-12">

                    <!-- why us starts -->

                    <div class="why-us">

                        <div class="why-us-box">

                            <div class="row">

                                <div class="col-lg-6 col-md-6 mb-4">

                                    <div class="why-us-item text-center">

                                        <div class="why-us-icon">

                                            <i class="flaticon-call theme"></i>

                                        </div>

                                        <div class="why-us-content">

                                            <h4><a href="#">Trusted By Thousands</a></h4>

                                            <p class="mb-0">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.</p>

                                        </div>

                                    </div>

                                </div>

                                <div class="col-lg-6 col-md-6 mb-4">

                                    <div class="why-us-item text-center">

                                        <div class="why-us-icon">

                                            <i class="flaticon-global theme"></i>

                                        </div>

                                        <div class="why-us-content">

                                            <h4><a href="#">Wide Renge Properties</a></h4>

                                            <p class="mb-0">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.</p>

                                        </div>

                                    </div>

                                </div>

                                <div class="col-lg-6 col-md-6 mb-4">

                                    <div class="why-us-item text-center">

                                        <div class="why-us-icon">

                                            <i class="flaticon-building theme"></i>

                                        </div>

                                        <div class="why-us-content">

                                            <h4><a href="#">Financing Made Easy</a></h4>

                                            <p class="mb-0">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.</p>

                                        </div>

                                    </div>

                                </div>

                                <div class="col-lg-6 col-md-6 mb-4">

                                    <div class="why-us-item text-center">

                                        <div class="why-us-icon">

                                            <i class="flaticon-location-pin theme"></i>

                                        </div>

                                        <div class="why-us-content">

                                            <h4><a href="#">We are here near you</a></h4>

                                            <p class="mb-0">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt.</p>

                                        </div>

                                    </div>

                                </div>

                            </div>

                        </div>

                    </div>

                    <!-- why us ends -->

                </div>

            </div>

        </div>

    </div>

</section>

<!-- about-us ends -->

<!-- Discount action starts -->

<section class="discount-action p-0">

    <div class="container">

        <div class="call-banner" style="background-image: url(images/bg/bg1.jpg); background-size:cover;">

            <div class="call-banner-inner call-banner-inner1 pt-9 pb-10 px-0">

                <div class="trend-content-main w-50 mx-auto">

                    <div class="trend-content text-center">

                        <h2 class="mb-1 display-5 fw-bold white">Search Smarter, From Anywhere</h2>

                        <p class="white mb-2">Power your search with our real estate platform, for timely listings and a seamless experience.</p>

                        <div class="section-btns">

                            <a href="{% url 'listings' %}" class="nir-btn">Find Now <i class="fa fa-arrow-right white pl-1"></i></a>

                        </div>

                    </div>

                </div>

            </div>

            <!-- Counter -->

            <div class="counter-main counter-main1 mx-4">

                <div class="container">

                    <div class="counter text-center bg-lgrey p-5 pb-1">

                        <div class="row">

                            <div class="col-lg-3 col-md-6 col-sm-12 mb-4">

                                <div class="counter-item d-flex align-items-center text-start border-end">

                                    <i class="fa fa-users theme2 me-4"></i>

                                    <div class="counter-content">

                                        <h3 class="value mb-0">560</h3>

                                        <span class="m-0">Total Area Square</span>

                                    </div>

                                </div>

                            </div>

                            <div class="col-lg-3 col-md-6 col-sm-12 mb-4">

                                <div class="counter-item d-flex align-items-center text-start border-end">

                                    <i class="fa fa-plane theme2 me-4"></i>

                                    <div class="counter-content">

                                        <h3 class="value mb-0">530</h3>

                                        <span class="m-0">Apartments Sold</span>

                                    </div>

                                </div>

                            </div>

                            <div class="col-lg-3 col-md-6 col-sm-12 mb-4">

                                <div class="counter-item d-flex align-items-center text-start border-end">

                                    <i class="fa fa-chart-bar theme2 me-4"></i>

                                    <div class="counter-content">

                                        <h3 class="value mb-0">624</h3>

                                        <span class="m-0">Total Constructions</span>

                                    </div>

                                </div>

                            </div>

                            <div class="col-lg-3 col-md-6 col-sm-12 mb-4">

                                <div class="counter-item d-flex align-items-center text-start">

                                    <i class="fa fa-support theme2 me-4"></i>

                                    <div class="counter-content">

                                        <h3 class="value mb-0">340</h3>

                                        <span class="m-0">Apartio Rooms</span>

                                    </div>

                                </div>

                            </div>

                        </div>

                    </div>

                </div>

            </div>

            <!-- End Counter -->

            <div class="overlay"></div>

        </div>

    </div>

</section>

<!-- Discount action Ends -->

<!-- our teams starts -->

<section class="our-team bg-grey pb-6 pt-19 content-line">

    <div class="container">

        <div class="section-title mb-6 pb-1 w-75 text-center mx-auto">

            <h2 class="m-0">Meet Our <span>Excellent Agents</span></h2>

            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

        </div>

        <div class="team-main">

            <div class="row shop-slider">

                <div class="col-lg-3 col-md-6 col-sm-12 mb-4">

                    <div class="team-list">

                        <div class="team-image">

                            <img src="{% static 'images/team/img1.jpg' %}" alt="team">

                        </div>

                        <div class="team-content text-center p-3 bg-white">

                           <h4 class="mb-0">Salmon Thuir</h4>

                            <p class="mb-0">Senior Agent</p>

                        </div>

                    </div>

                </div>