

GLA UNIVERSITY, MATHURA



Department of Computer Science & Applications

Institute of Engineering & Technology

Mini Project - II **SYNOPSIS**

HouseHive- *Your One Destination For Buying & Selling*
(A Buying & Selling Platform)

SUBMITTED TO:

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DECLARATION

We, the undersigned members declare that the group project submitted is our original work, and that we have acknowledged all the sources used in its preparation in accordance with the guidelines provided. We affirm that this project has not been submitted elsewhere for any other purpose, and that it does not infringe on the intellectual property rights of any third party.

We also certify that all the information provided in this project is true and accurate to the best of our knowledge. We understand that any misrepresentation or falsification of information may result in the rejection of our submission or the revocation of any award or recognition that may be conferred upon us. By submitting this project, we agree to abide by all the rules and regulations governing here.

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ACKNOWLEDGEMENT

We would like to express our sincere gratitude to everyone who contributed to the successful completion of this web development project group project.

Firstly, we would like to thank our project supervisor, Mr. Manoj Varshney for providing us with invaluable guidance and support throughout the project. Your expertise in web development and constructive feedback helped us to refine our ideas and approach.

We would also like to extend our gratitude to our team members, for their dedication and hard work. Each team member brought their unique set of skills and expertise, and the collaboration and support throughout the project were instrumental in its success.

Finally, we would like to acknowledge the vast resources and online communities that provided us with valuable information and insight into web development, which helped us to overcome challenges and achieve our project goals.

Thank you all for your contribution and support.

Certificate of Completion

This is to certify that this group has successfully completed the group project synopsis on a selling and buying platform(HouseHive). The group has demonstrated a high level of knowledge, creativity, and innovation in the field of social media platform development.

The project involved the design and development of a social media platform that enables users to buy and sell their own property on the platform. The group members worked collaboratively to complete—the project within the given time frame and to the satisfaction of the project supervisor.

The group demonstrated excellent communication, collaboration, and problem-solving skills, which were essential for the successful completion of the project.

We hope that the knowledge and experience gained from this project will help the group members to excel in their future endeavors. We wish them all the best in their future endeavors.

Date: _____

Sign.: _____

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INTRODUCTION

Welcome to our house selling and renting website, where we strive to make the process of buying, selling, or renting a home as seamless and stress-free as possible. With a vast selection of properties to choose from and a user-friendly platform, we are your one-stop destination for all your real estate needs. Our team of experienced professionals is dedicated to providing personalized service and guidance every step of the way. Whether you're a first-time buyer, a seasoned investor, or simply searching for your dream home, we're here to help you unlock the door to a brighter future.

At our house selling and renting website, we understand that finding the right home is one of the most important decisions you'll make in life. That's why we've created a platform that offers a wide range of properties to buy, sell, or rent, along with a suite of tools and resources to make the process easier. Whether you're searching for a cozy apartment or a spacious family home, we have something for everyone. Our team of experts is committed to helping you navigate the complex world of real estate with confidence, so you can find the perfect place to call home. Join us today and start your journey towards a brighter future.

Looking for your dream home can be a daunting task, but with our house selling and renting website, it doesn't have to be. We provide a simple and effective platform that connects buyers, sellers, and renters with ease. With a wide range of properties available at your fingertips, you can browse, compare, and choose the perfect home for your needs. Our team of experts is here to support you every

step of the way, from initial inquiry to final closing. Whether you're looking for your first home, a vacation rental, or a real estate investment, our website provides you with everything you need to make an informed decision. With powerful search filters, detailed property descriptions, and a range of multimedia content, you can explore each property as if you were there in person. Plus, our team of experienced professionals is always available to answer any questions you may have and offer personalized guidance. We believe that buying, selling, or renting a home should be a positive and empowering experience, and we're committed to making that a reality for every client who comes through our virtual doors. Join us today and discover the home of your dreams.

ABOUT THIS PROJECT

Our house selling and renting website is a modern and user-friendly platform that connects buyers, sellers, and renters of real estate properties. With a login system that includes Google authentication, users can securely access the website and browse through a variety of properties listed on the platform. They can also list their own properties for sale or rent, making it easier for potential buyers or renters to find them.

The website features a direct contact feature that enables users to contact property owners and landlords directly to ask questions, schedule viewings, or discuss potential deals. This feature ensures that communication between parties is streamlined and eliminates the need for a middleman or broker.

The website also features a powerful database that stores all user data, including property listings, user profiles, and contact information. This database ensures that data is stored securely and can be easily accessed by authorized users at any time.

In summary, our house selling and renting website is an all-in-one platform that makes it easy for buyers, sellers, and renters to connect with each other and find the perfect property. With a user-friendly interface, direct contact feature, and secure database, our website is the perfect choice for anyone looking to buy, sell, or rent real estate properties.

Primary Reason To Choose This Project

The primary reason to choose a house selling and renting website as a mini project is that it is a practical and relevant application of web development skills. By building a house selling and renting website, students can gain experience in developing a real-world web application with a variety of features, such as property listings, user authentication, and database management. This project can also provide students with an opportunity to apply front-end and back-end web development skills in a practical context, and to work on a project that can be easily customized and expanded upon. Additionally, the skills and knowledge gained from working on this project can be valuable for a career in web development or related fields.

- **Develop practical skills:** A house selling and renting website can be a great way to develop practical skills in web development, such as front-end development, back-end development, database management, and user authentication. By working on a real-world project with a variety of features, students can gain hands-on experience in building a web application from start to finish.
- **Customizable and expandable:** A house selling and renting website can be easily customized and expanded upon to meet the specific needs of a project. For example, students can add new features such as location-based search or integrated payment systems to enhance the functionality of the website. This allows students to exercise their creativity and explore new web development techniques.
- **Relevant to industry:** Building a house selling and renting website is a relevant and practical application of web development skills. This type of website is commonly used in the real estate industry and can be a valuable addition to a web development portfolio. Additionally, the skills and knowledge gained from this project can be transferable to other web development projects and careers.
- **Real-world application:** A house selling and renting website has a real-world application that can be beneficial to users looking to buy, sell or rent real estate properties. By creating a user-friendly and practical website, students can contribute to the development of an online platform that can be used by real people in the real world.

MAIN OBJECTIVE

The main objective of a house selling and renting website is to provide a platform for buyers, sellers, and renters of real estate properties to connect with each other. This objective can be achieved through a variety of features, such as property listings, user authentication, direct communication between users, and database management. By building a user-friendly and practical website, the main objective is to provide a reliable and convenient solution for people looking to buy, sell, or rent real estate properties. Additionally, the website can aim to provide a secure and efficient way for users to manage their property listings and communicate with potential buyers or renters. Ultimately, the main objective is to create a successful and functional website that satisfies the needs of its users and contributes to the development of the real estate industry.

The main objective to choose a house selling and renting website as a mini project is to provide students with an opportunity to gain practical web development skills through a relevant and practical application. By working on a project that is focused on the development of a real-world website, students can develop skills in web design, front-end and back-end development, database management, and user authentication. Additionally, students can gain experience in project management, problem-solving, and teamwork as they work on building a functional and user-friendly website. The main objective is to provide students with an opportunity to apply and develop their skills in a practical context, and to prepare them for future web development projects or careers. Ultimately, the main objective is to provide a valuable learning experience that can benefit students in their academic and professional endeavors.

SCOPE OF THE PROJECT

The scope of a house selling and renting website can be significant in the future for society. As technology advances and more people rely on online platforms for various activities, a website that connects buyers, sellers, and renters of real estate properties can become increasingly relevant and useful. Some potential benefits for society include:

- **Convenience:** A house selling and renting website can provide a convenient and accessible way for people to buy, sell or rent real estate properties. By having a platform that is available 24/7, users can browse listings, communicate with potential buyers or renters, and manage their property listings from the comfort of their own home.
- **Efficiency:** A website that automates processes such as property listing and communication between users can increase efficiency and save time for all parties involved. This can benefit the real estate industry by making it more streamlined and less time-consuming.
- **Transparency:** By providing a platform for direct communication between buyers and sellers, a house selling and renting website can increase transparency in the real estate market. This can lead to more informed decision-making and potentially more fair and equitable transactions.
- **Accessibility:** A house selling and renting website can provide accessibility to people who may not have had access to the real estate market otherwise, such as people who live in remote areas or who have mobility issues.
- **Increased competition:** A house selling and renting website can lead to increased competition in the real estate market, which can benefit both buyers and sellers. By having more options available, buyers can find better deals and sellers can potentially sell their properties at a higher price.
- **Improved data analysis:** By collecting and analyzing data on property listings, user behavior, and market trends, a house selling and renting website can provide valuable insights into the real estate market. This can be useful for buyers, sellers, and real estate professionals in making informed decisions.

Overall, the scope of a house selling and renting website in the future for society can be significant in terms of providing convenience, efficiency, transparency, and accessibility to the real estate market. By building a functional and user-friendly website, the potential benefits for society can be numerous.

HARDWARE & SOFTWARE REQUIREMENT

Hardware Requirements:

1. Processor: Intel Core i5 or higher
2. RAM: 8GB or higher
3. Storage: 256GB or higher
4. Internet Connection: High-speed internet connection

Software Requirements:

1. Operating System: Windows 10 or macOS High Sierra or later
2. Integrated Development Environment (IDE): Visual Studio Code or any other suitable IDE for React JS development
3. Node.js: The latest stable version of Node.js and npm package manager
4. MongoDB: The latest stable version of MongoDB database management system
5. Git: The latest stable version of Git version control system
6. Web Browser: Google Chrome or any other modern web browser

In addition to the above requirements, developers may also need to use additional libraries, frameworks, and tools depending on the project's requirements and complexity. It is recommended to use the latest versions of all the required software to ensure compatibility and stability.

Module Description

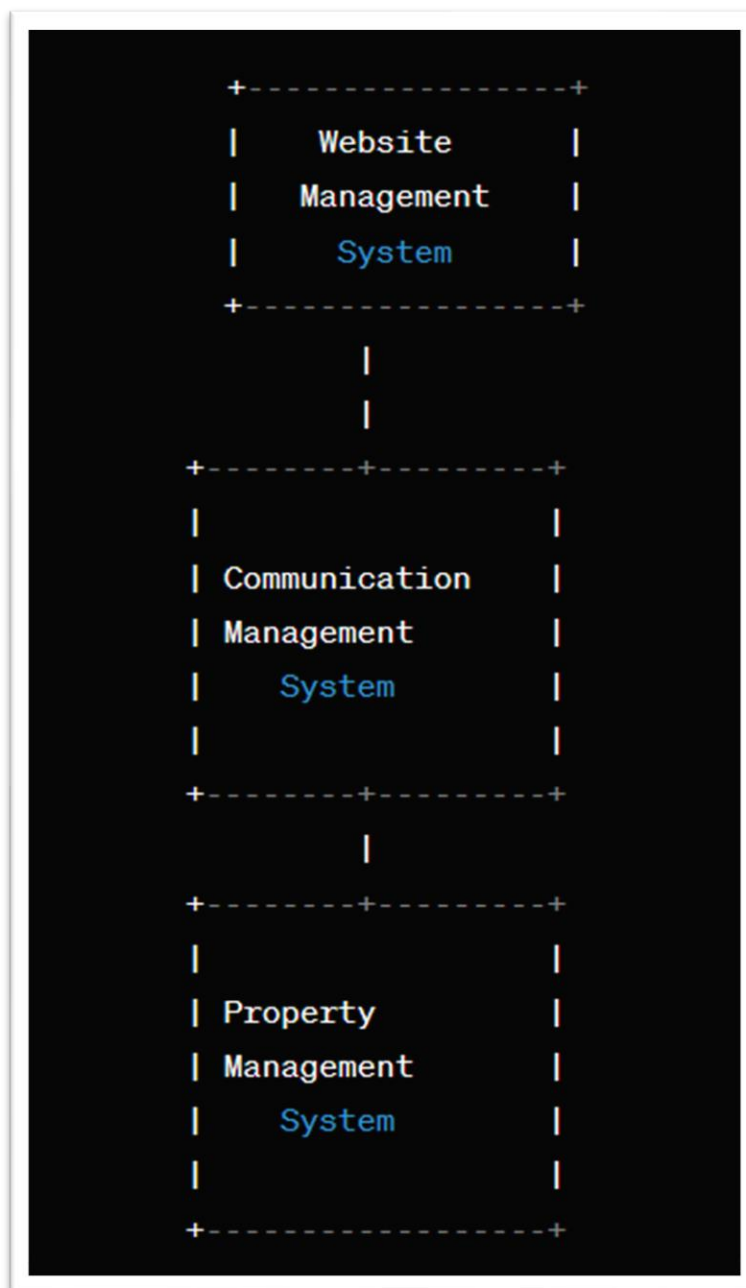
1. User Management: This module will allow users to create an account, log in, and manage their profile information. It will also allow users to view their saved property listings, search history, and other relevant details.
2. Property Listing Management: This module will allow property owners to create and manage their property listings, including adding property details, uploading photos, setting prices, and managing inquiries from potential buyers or renters.
3. Property Valuation: This module will allow users to get an estimated value for their property based on various factors such as location, property type, and market trends. It may also provide users with tips for improving the value of their property.
4. Communication: This module will allow users to communicate with each other regarding property listings, including sending messages, making inquiries, and scheduling viewings.
5. Property Management: This module will allow property owners to manage their rental properties, including features such as tenant screening, lease management, and rent collection. It may also include tools for managing maintenance requests and property inspections.
6. Analytics and Reporting: This module will provide data analytics and reporting features to help users understand market trends, property demand, and other relevant metrics.
7. Admin Management: This module will allow the website administrator to manage user accounts, property listings, and other relevant details, as well as perform site maintenance tasks.

Overall, these modules work together to provide a comprehensive and user-friendly house selling and renting website that meets the needs of both property owners and potential buyers or renters.

DATA FLOW DIAGRAMS

Zero level DFD:

The level 0 DFD shows the overall flow of data within the website. The website has four main modules or components: User Management, Property Listing Management, Communication Management, and Authentication and User Management.



First Level DFD:

At this level, there are three main processes: User Management, Property Management, and Communication.



Second Level DFD:

At this level, there are two main processes have been added: Manage Property Listing and Manage User Account



REFERENCES

Websites:

- W3Schools (<https://www.w3schools.com/>)
- MDN Web Docs (<https://developer.mozilla.org/en-US/docs/Web>)
- Stack Overflow (<https://stackoverflow.com/>)
- GitHub(<https://github.com/Dev4821/creatify>)

Other Websites:

- www.java.sun.com
- www.google.com
- www.javawrench.com
- www.javaworld.com