Course Number: 420-DW4-AS  
Course Title: Web Server Application Development II  
Session: Autumn 2023  
Group: 7264  
  
  
Final Project Report  
  
  
Title: Dream Home  
  
Due Date: 2023-12-6  
  
Submitted  
  
To  
  
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1. PROJECT DESCRIPTION

The Property Rental Management System is a comprehensive web-based application designed to streamline and enhance the management of rental properties. Developed using ASP.NET MVC (.NET Framework), the application caters to the needs of property owners, managers, and tenants by providing a user-friendly interface and robust functionality.

1. PROJECT DEVELOPMENT

PHASE 1 Analysis

1. The Property Rental Management Web Site aims to simplify the apartment rental process for potential tenants while providing efficient property management tools for property owners and managers.
2. The application features distinct user roles, including Property Owners, Administrators, Property Managers, and Potential Tenants, each with specific responsibilities.
3. Property Owners and Administrators wield comprehensive control over the platform, enabling them to manage property manager and potential tenant accounts through various operations such as creation, updating, deletion, searching, and listing.
4. Property Managers are empowered to perform CRUD operations related to buildings and apartments, monitor apartment statuses, schedule appointments with potential tenants, and respond to messages.
5. Potential Tenants can create online accounts, view available apartments, make appointments with property managers, and communicate with them using the integrated messaging system.
6. The client-side of the application is developed using modern technologies, including CSS3, HTML5, and JavaScript, ensuring a responsive and user-friendly interface.
7. Administrative control lies in the hands of Property Owners and Administrators, ensuring the smooth operation and oversight of the entire web platform.
8. Communication features are integrated, allowing Property Managers and Potential Tenants to interact seamlessly through the messaging system, enhancing communication and responsiveness.
9. Property Managers can efficiently schedule appointments with potential tenants, streamlining the property viewing process and improving overall user experience.

PHASE 2 Design

A computer screen shot of a computer

Description automatically generated

PHASE 3 Implementation

The project has been implemented using ASP.Net Web Application(.Net Framework (MVC).

1. CONCLUSION

The course covered a range of topics, including Windows Form applications, advanced query design, and data sorting. It provided hands-on experience with ASP.NET MVC and Core, emphasizing Entity Framework (DB First/Code First). Practical use of controllers and scaffolding streamlined development, while Razor pages enhanced dynamic content creation. Authentication, role validation, and database modifications for security were focal points. The course delivered a comprehensive understanding of contemporary web development practices and skills

1. BIBLIOGRAPHY

Lab 3,  
Lab 4,  
Lab 7