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Report

On

ToDoList

Submitted by

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Under the Guidance of

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Introduction

In this document you are going to find what features the To-Do List System offers as well as the development process of it. They consist of the aims and the extent of development, the conceptual model, a listing of the chief concerns, and methods through which the development will be evaluated and updated.

The To-Do List System has been developed to improve people's scheduling and time management functionality by letting them generate and manage the lists of tasks effectively. The system enables people or several people to schedule their daily activities, prioritize the tasks and track the accomplishment of several tasks. As compared to ordinary methods of task management, this system would eliminate the need for lists that can be tiresome and have numerous chances of being forgotten or full of errors.

One of the biggest benefits of this system is versatility for both, personal and business utilization to enhance efficiency and save time. However, it may take some time to begin using it due to the procedural settings needed for incorporating it into team-based platforms.

From the interface point of view, the To-Do List System enables users to execute and maintain the list by simplifying the means of adding as well as organizing the coming tasks. It eliminates the need for tracking tasks with fingers and offers a systemized means of completing tasks and keeping users on schedule.

Background

To-Do List System is functionality aimed to enhance the work with tasks and increase efficiency for varying users, from unique client to entire teams. In the past, tracking of the tasks is most frequently done by using some simple paper-based lists or a simple notes capability of the operating system. But these methods are not efficient because it can lead to; late submission, no ranking system, and immense difficulty in following progress made over time.

The use of the To-Do List System also enables users to create, sort and set priorities of tasks within a virtual list depending on the available work load and the due date of the tasks. It tracks the tasks assigned, offer alerts, and helps users to set any particular task and mark its completion that improves efficiency. On account of its digitized setup the application is bidirectional which will enable those who may have tight schedules or different devices to manage the system.

Through the implementation of digital task management solutions, many organizations, and people across the globe experience improved performance. This has the following benefits, among others: reduction of the use of paper and automation of task tracking to a central point. However, the system can have setting up challenge which will take some time for the users to manage their tasks according to its system; it lacks some degree of individualistic approach in managing tasks.

In conclusion, the To-Do List System provides a clear and easy-to-follow framework for task organizing suggesting to fill the gaps left from using conventional techniques.

Problem Definition

Users who want to organize their work to become more efficient must follow proper ways of task management. The To-Do List System aims at giving a unique and effective platform to the user in creating as well as managing his/her tasks efficiently. This project is proposed to provide an easy, now, convenient, solution for organizing activities, due dates and priorities. As mentioned in its features, the To-Do List System includes setting priorities, deadlines and sorting the tasks that are easy to follow further progress. The system also has a login module to allow an individual's access to the system, where he or she requires entrance credentials. Meanwhile, the customer is either able to sign in to their account to continue with their tasks or even provide their details including name, email and password in order to get registered. The system also includes an administrative module which enable the administrator control users and configure system options. User managers can view report of the users' activity, define the global categories of tasks, and specify default reminder/notification. With the integration of an automated tracking and organizing system for tasks, people won't have to worry about forgetting which tasks they need to accomplish or if they have met a certain due date or not. Altogether, the To-Do List System solves the problems of the traditional approach to task lists and helps consumers to achieve their goals efficiently.

Objective

General objective

The pobjective of the To-Do List System project is to transition from traditional, manual task management methods to a streamlined, digital system, enabling users to manage tasks with greater efficiency and organization.

Specific Objectives

- Provide a platform for users to create, organize, and prioritize tasks in a structured format.
- Allow users to set deadlines, reminders, and categories for individual tasks.
- Automate task tracking, reducing time spent on manual updates and status checks.
- Enable users to view tasks in list or calendar formats, enhancing usability and accessibility.
- Offer secure login functionality for personalized access to task lists and settings.
- Allow administrators to monitor system usage and generate reports to analyze productivity and task completion rates.
- Provide features for prioritizing tasks, categorizing them by project, and setting recurrence for repeated tasks.
- Create a flexible system that can be used by individuals or teams to enhance productivity and achieve goals.
- Generate reports that provide insights on task completion trends, overdue tasks, and user productivity, supporting continuous improvement.

Scope of the project

The scope of this project extends beyond traditional, manual task management methods.

Key features include:

- Accessible from any location and device, as it is a digital application (user location is not restricted).
- Enables users to manage tasks without requiring constant supervision, allowing for flexible self-management.
- Designed to facilitate both end users and administrators.
- Suitable for personal, educational, or professional environments where efficient task tracking and organization are required.
- Adaptable for individual users or teams, making it versatile for various use cases.
- Provides features such as task categorization, prioritization, and deadline tracking, catering to diverse productivity needs.

This project aims to create a reliable and user-friendly system for anyone needing a more organized approach to task management.

Proposed system

Functional requirements

The To-Do List System is designed to facilitate effective task management by meeting the following functional requirements:

User Requirements

- **Administrator Aspect**
 1. Log into the system.
 2. Manage user accounts, including accepting new registrations.
 3. Add, edit, or delete tasks as required.
 4. Define and assign task categories and priorities.
 5. Generate and send task reports or productivity summaries.
 6. Set deadlines and reminders for tasks.
 7. Manage access permissions for different users.
- **User Aspect**
 1. Register and log into the system.
 2. Add and manage tasks, including setting deadlines and priorities.
 3. Organize tasks by category or project.
 4. Mark tasks as complete or review task history.
 5. Receive reminders for upcoming tasks.
- **System Analysis**
 1. Authenticate users based on username and password.
 2. Record all user activity related to task creation, updates, and completion.
 3. Generate a task history log for performance and progress tracking.
 4. Allow administrators to monitor task activity across all users.
 5. Send notifications and reminders for upcoming tasks.

Hardware Interfaces

- **Server-Side Hardware**
 1. Minimum RAM: 512 MB or more
 2. Hard Drive: 10 GB or more
 3. Communication hardware to handle client requests

- **Client-Side Hardware**

1. Minimum RAM: 256 MB or more
2. Communication hardware to connect with the server

Software Interface

- **Server-Side Software**

1. Development Framework: .NET Framework
2. Database: SQL Server
3. Compatible Operating System: Windows

- **Client-Side Software**

1. Web browser supporting JavaScript

Non-Functional Requirements

- **Performance:**

1. The system should support multiple users simultaneously without degradation in performance.
2. Task updates should be saved in real time for accuracy and reliability.

- **Usability:**

1. The system should be intuitive and easy to navigate, minimizing the learning curve for new users.

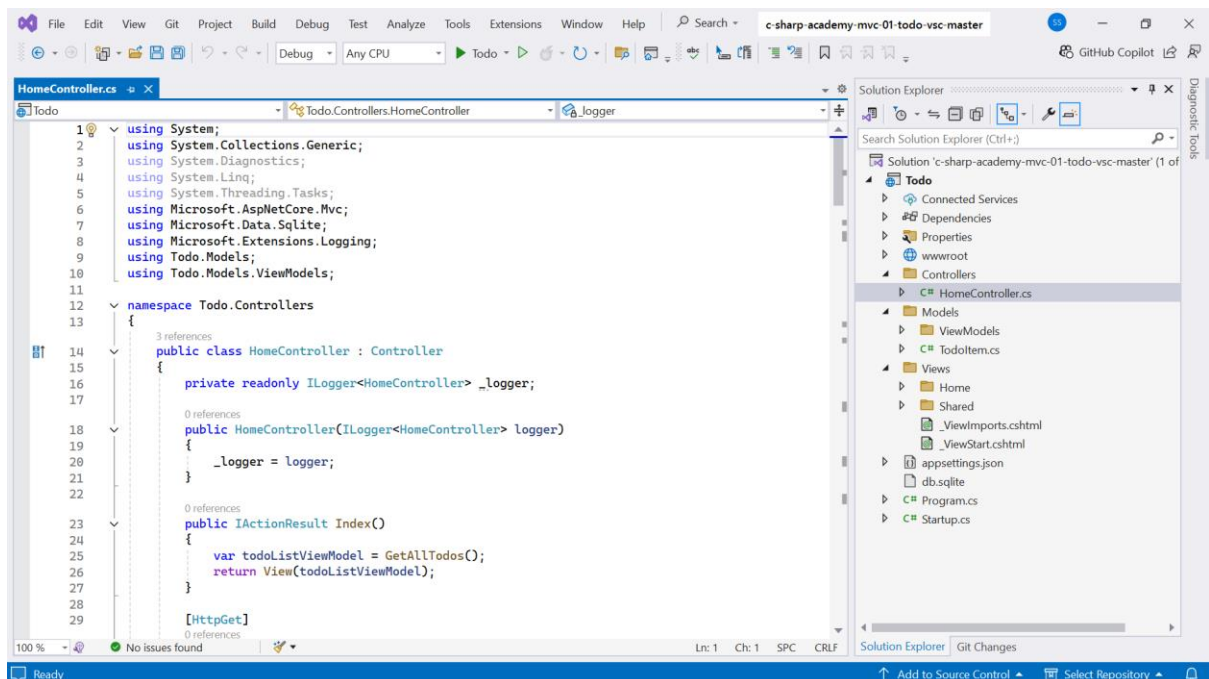
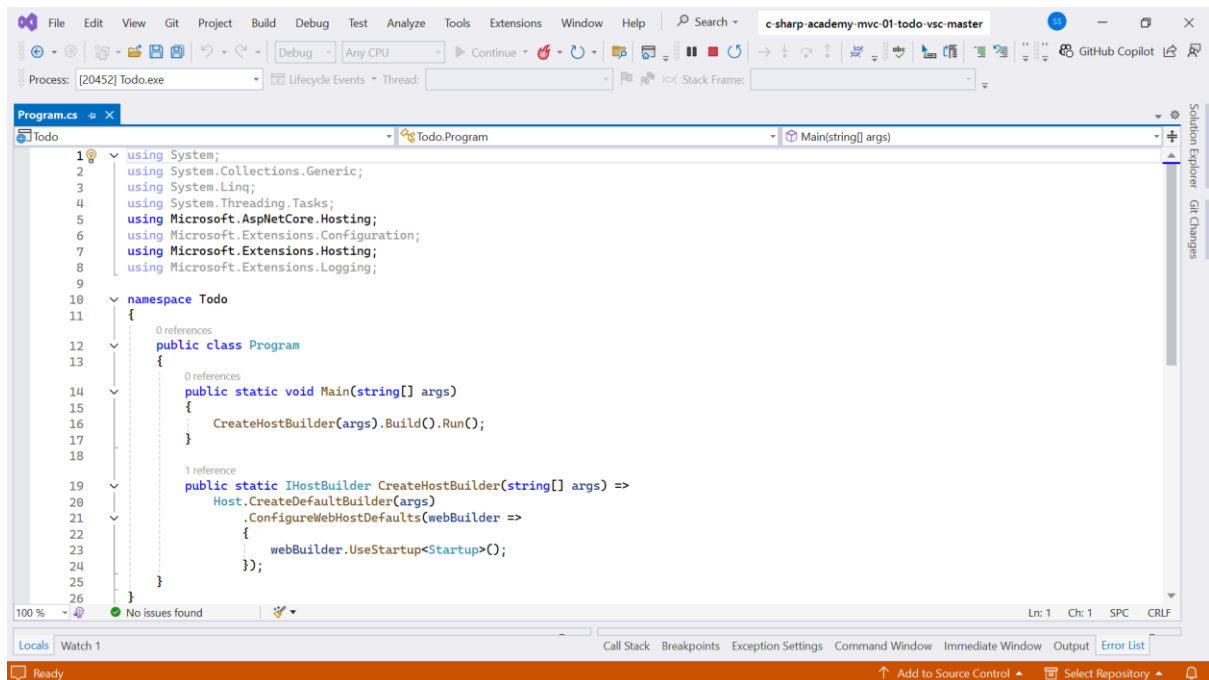
- **Portability:**

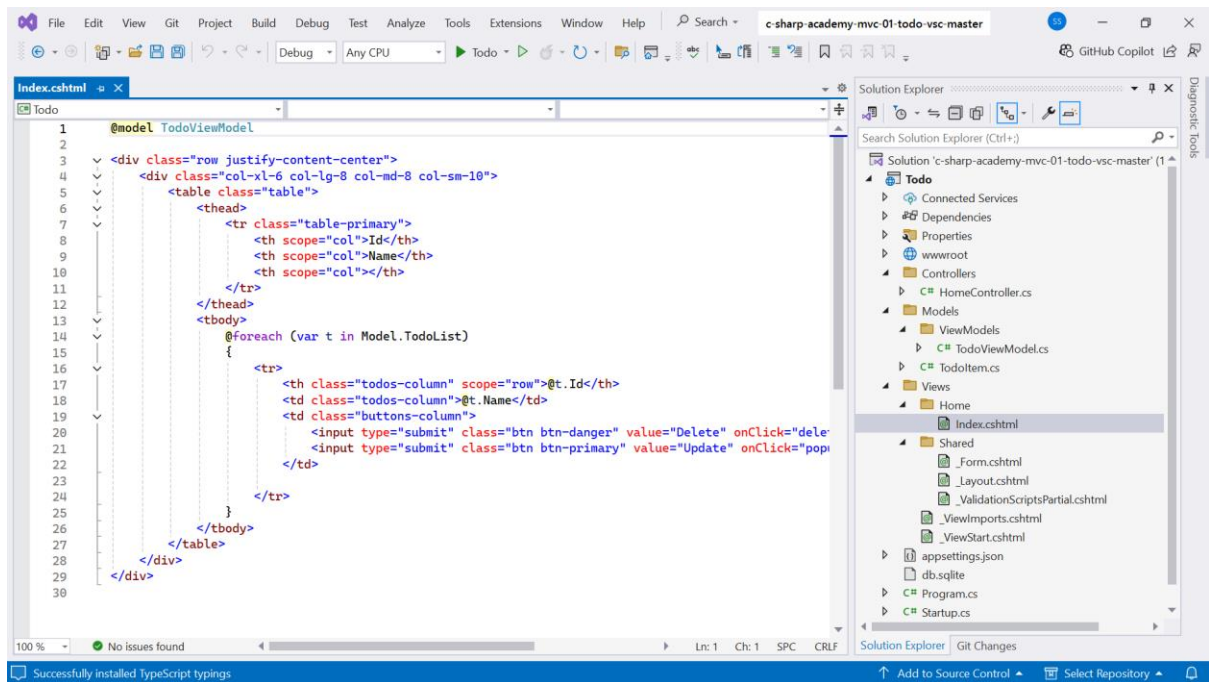
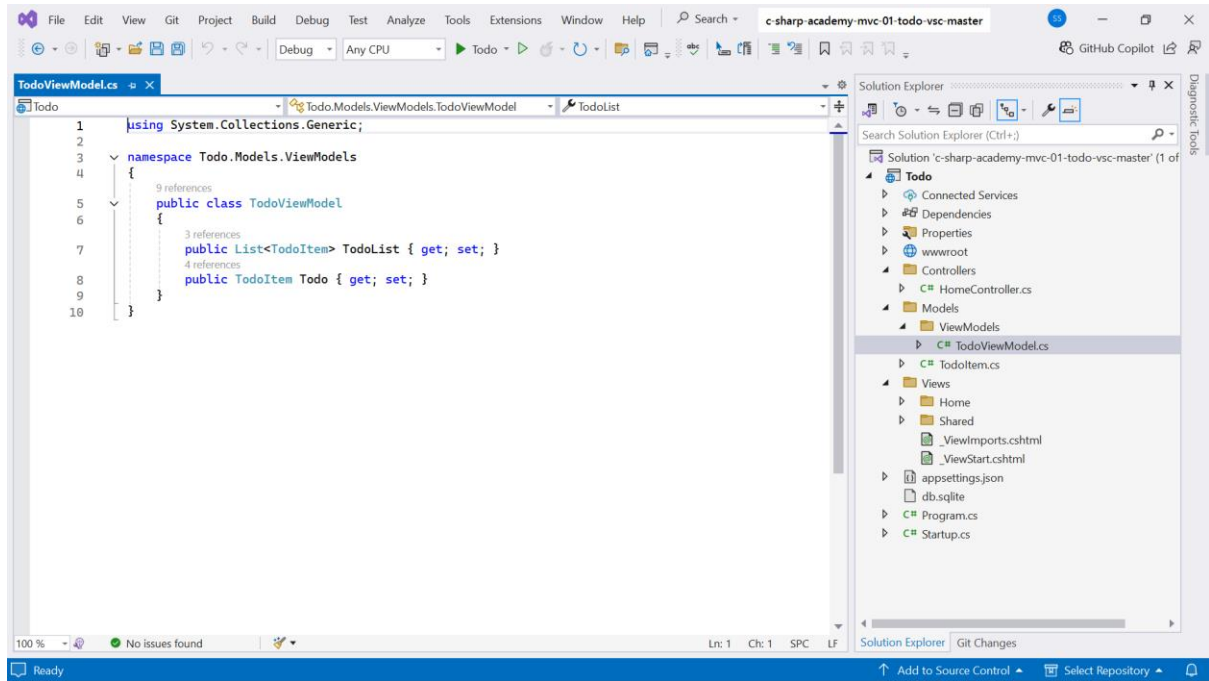
1. Developed using HTML, CSS, C#, and JavaScript for wide compatibility.

- **Availability:**

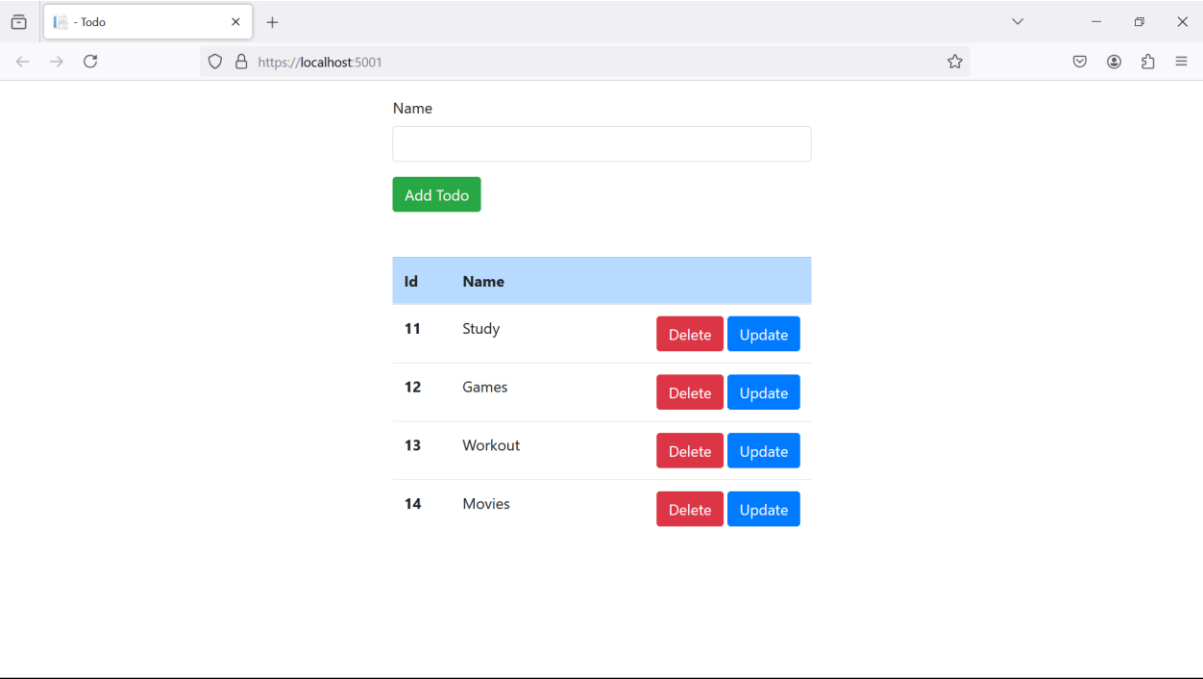
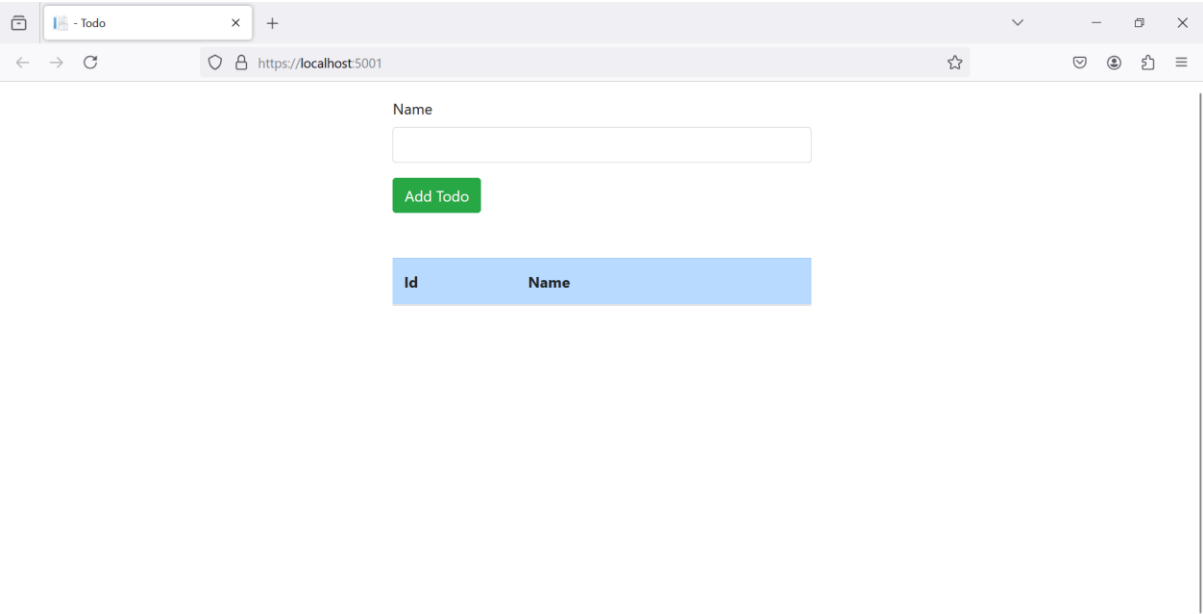
1. The system should be accessible at any time, allowing users to add, update, or review tasks as needed.
2. Should run on multiple operating systems, including Windows.

Screenshot's:





Screenshot's of website:



Conclusion:

To-Do List System can easily be implemented to offer the best means of creating, organizing and completing tasks. This system combines the manual ways of working with a modern digital solution that centralizes to-do lists to let the users easily create and prioritize their tasks and track them. To this end, the enhancements are as follows; secure login, categorization, deadlines and reminders – this helps a user manage his/her workload effectively without missing deadlines.

For administrators it can provide strong monitoring and reporting capabilities which extends well to both individual and group usage. Also this convenience as a system that could be accessed instead of being operated, and from any device further increases its functionality. All in all, this project positively solves the existing problem of the lack of availability and automation in task management, and demonstrates a widely applicable and dependable application for users of all types.