Here’s a complete and professional README.md file for your Task Manager web application built using **ASP.NET MVC** and **.NET Framework 4.8**:

# Task Manager Web Application

A simple Task Manager web application built using \*\*ASP.NET MVC\*\* and \*\*.NET Framework 4.8\*\*. The application allows authenticated users to perform \*\*CRUD operations\*\* (Create, Read, Update, Delete) on tasks using a clean user interface.

## Features

- User authentication (login/logout)

- Create, view, edit, and delete tasks

- Role-based access (authenticated users only)

- MVC architecture

- SQL Server database integration

- Entity Framework for ORM

## Technologies Used

- ASP.NET MVC 5

- .NET Framework 4.8

- Entity Framework 6

- SQL Server / LocalDB

- Razor Views

- Bootstrap 4 (UI styling)

## Getting Started

### Prerequisites

- Visual Studio 2019 or later

- .NET Framework 4.8

- SQL Server (Express or LocalDB)

- NuGet packages (auto-restored)

### Installation

1. \*\*Clone the repository:\*\*

```bash

git clone https://github.com/your-username/task-manager-mvc.git

cd task-manager-mvc

1. **Open the solution in Visual Studio:**
   * Open TaskManager.sln.
2. **Configure the database:**
   * Check the Web.config file for the connection string.
   * Update it according to your SQL Server instance.
3. **Apply migrations (if using EF Code First):**
4. Enable-Migrations
5. Add-Migration InitialCreate
6. Update-Database
7. **Run the application:**

Press F5 or click on the **Start** button in Visual Studio.

**Usage**

1. Register a new account or log in with existing credentials.
2. Create new tasks using the **"Add Task"** option.
3. View a list of tasks on the dashboard.
4. Edit or delete tasks using the respective options.
5. Log out to end your session.

**Project Structure**

TaskManager/

│

├── Controllers/

│ └── AccountController.cs

│ └── TaskController.cs

│

├── Models/

│ └── Task.cs

│ └── ApplicationUser.cs

│

├── Views/

│ ├── Task/

│ │ └── Index.cshtml

│ │ └── Create.cshtml

│ │ └── Edit.cshtml

│ │ └── Delete.cshtml

│ └── Account/

│ └── Login.cshtml

│

├── App\_Start/

├── Web.config

└── Global.asax

**Security**

* All task-related pages are protected and require login.
* Authentication is handled using **ASP.NET Identity**.

**Contributing**

Pull requests are welcome. For major changes, please open an issue first to discuss what you'd like to change.

**License**

This project is licensed under the [MIT License](https://chatgpt.com/c/LICENSE).

**Contact**

Created by [Your Name] – feel free to reach out!

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Let me know if you'd like me to include setup for Identity, database seed data, or a sample SQL script for creating the schema.