

These are some small projects I made using C# and .NET Framework

Projects:

- <https://github.com/ELLAQINN/Tech-Academy-Projects/blob/main/ASP.net>
- <https://github.com/ELLAQINN/Tech-Academy-Projects/blob/main/assignment.net>

CAR Insurance:

Creating a car insurance quote application using the Model-View-Controller (MVC) design pattern provides a structured approach to developing a robust and scalable system. In this application, the Model represents the data layer, where information about the car, driver, and insurance policies is stored and managed. The View is responsible for presenting the data to the user, allowing them to input details such as the car's make and model, the driver's history, and desired coverage levels. The Controller acts as the intermediary, processing user inputs, interacting with the Model to calculate the insurance premium, and then updating the View with the resulting quote. This separation of concerns in MVC enhances maintainability, as each component can be modified independently, ensuring that the application can easily adapt to changes in insurance policies or user requirements.

Student Database:

Creating a student database application using the Model-View-Controller (MVC) design pattern enables a clear and organized structure for managing student data. In this application, the Model handles the data layer, where student information such as names, grades, courses, and personal details are stored, retrieved, and manipulated. The View is responsible for displaying this data to the user, allowing for easy access to student records, and providing interfaces for adding, updating, or deleting student information. The Controller serves as the bridge between the user interactions and the data, processing inputs from the user (like search queries or data entry), interacting with the Model to fetch or update data, and then instructing the View to display the appropriate results. This MVC architecture ensures that the student database application is modular, easy to maintain, and scalable.