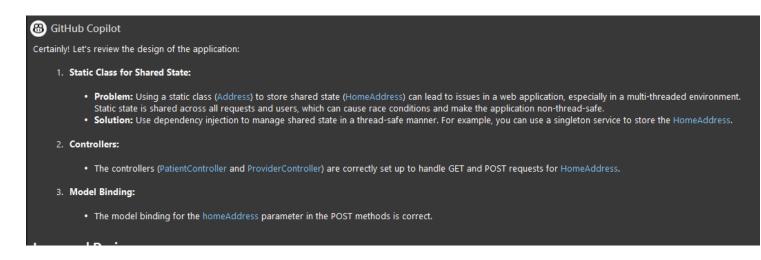
Question2

Monday, September 9, 2024 9:09 PM

Question:

Can you verify if there are problems in the design of the application



Improved Design 1. Create a Singleton Service: Create a new service class to manage the HomeAddress state. public interface IAddressService { string HomeAddress { get; set; } } public class AddressService : IAddressService { public string HomeAddress { get; set; } } Insert in new file Preview 2. Register the Service in Startup.cs: Register the AddressService as a singleton in the dependency injection container. public void ConfigureServices(IServiceCollection services) { services.AddSingleton<IAddressService, AddressService>(); services.AddControllers(); }

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Summary

- Static Class Issue: Avoid using static classes for shared state in a web application.
- Dependency Injection: Use dependency injection to manage shared state in a thread-safe manner.
- Singleton Service: Create a singleton service to store and manage the HomeAddress.

This design ensures that the application is thread-safe and follows best practices for managing shared state in a web application.

What are some best practices for handling shared state in a web application?

References