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...

How to implement a CQRS-conforming class?

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...

To implement a CQRS (Command Query Responsibility Segregation)-conforming class, you need to separate the responsibilities of commands (write operations) and queries (read operations). This separation ensures that the read and write sides of your application are handled independently, improving scalability and maintainability.

Here's how you can implement a CQRS-conforming class in C#:

1. **Define Commands and Queries**

- **Commands:** Represent actions that change the state of the system.
- **Queries:** Represent actions that retrieve data without modifying the state.

2. **Create Command and Query Handlers**

- Each command and query should have a dedicated handler to process the logic.

3. **Use Mediator Pattern (Optional)**

- A mediator (e.g., using the `MediatR` library) can be used to decouple the sending of commands/queries from their handling.

Example Implementation

C#



```
// Command: Represents a write operation
public class CreateOrderCommand
{
    public Guid OrderId { get; set; }
    public string ProductName { get; set; }
}
```

Press `Enter` to submit, `Ctrl` + `Enter` for new line



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Mark Steyvers



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