# Verdediging EPDConsole assignment design patterns

## Architectuur

**3. Implement Asynchronous Programming**

EF Core supports asynchronous programming, which can drastically improve the responsiveness of your application by avoiding blocking calls.

var user = await context.Users.FirstOrDefaultAsync(u => u.Id == userId);

By using asynchronous methods (like FirstOrDefaultAsync), you can ensure that your application handles multiple requests without slowing down or blocking resource

## Design patterns

SOLID

Clean Architecture

Repository Pattern

Common layer

## Mogelijke uitbreidingen

Unit testen

Specifiekere expection handeling in de presentatie laag  
performance boosting met FluentAPI index querying

Retrieve only required columns

Vb voor een simpele query select met dto of voor complexe queries een ORM Dapper gebruiken en dto