

PV260 Software Quality

Team 2 (vertical slice ftw)

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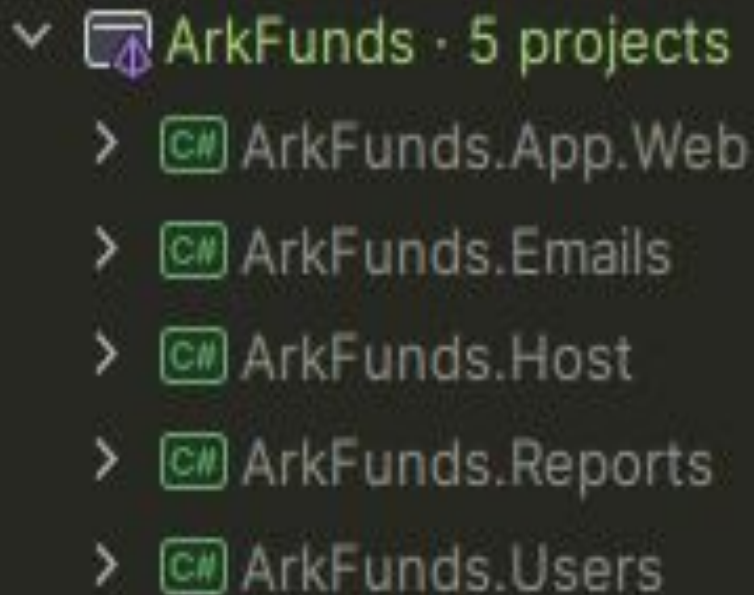
Used architecture:

Vertical slice architecture

- Implemented as modular monolith
- Each slice as clean architecture

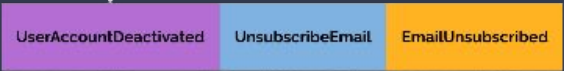
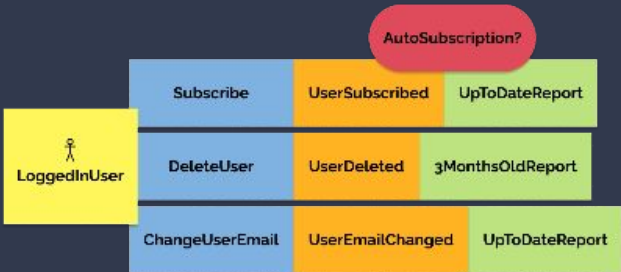
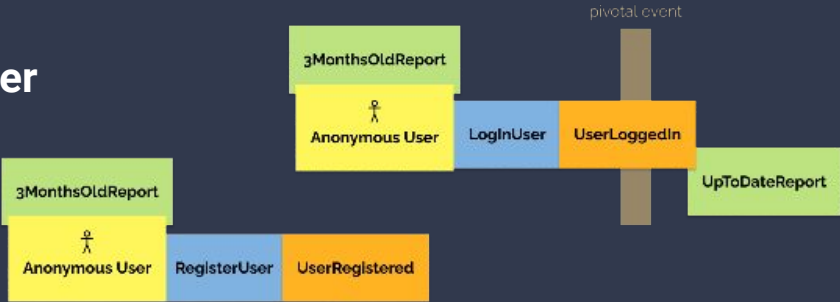
Used technologies:

- WolverineFx
- Marten
- Coravel
- Blazor Web App (.NET 8 Server)



Event storming

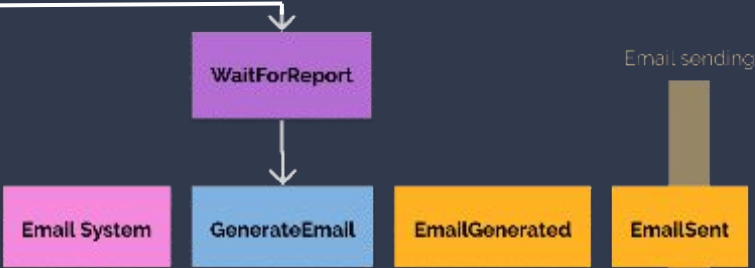
User



Reports



Email



Team 2

API

- Endpoints

Application

- Commands
- EventHandlers
- Queries

Core

- Events
- Aggregates

Infrastructure

```
▼ [C#] ArkFunds.Users
  > 🔗 Dependencies
  ▼ 📁 Api
    C# UsersEndpoint.cs
  ▼ 📁 Application
    ▼ 📁 Commands
      C# ChangeUserEmailCommand.cs
      C# ChangeUserEmailCommandHandler.cs
      C# DeleteUserCommand.cs
      C# DeleteUserCommandHandler.cs
      C# SubscribeUserCommand.cs
      C# SubscribeUserCommandHandler.cs
    📁 EventHandlers
  ▼ 📁 Queries
    C# GetSubscribedUsersQuery.cs
    C# GetSubscribedUsersQueryHandler.cs
  ▼ 📁 Core
    ▼ 📁 Events
      C# UserDeleted.cs
      C# UserEmailChanged.cs
      C# UserSubscribed.cs
    C# User.cs
  ▼ 📁 Infrastructure
    C# UsersStore.cs
    C# DependencyInjection.cs
```

Use of knowledge from seminars

Event storming

Unit tests (.Where) + K6 tests

Vertical slice Architecture + Clean Architecture

Mediator pattern

Dependency Injection, IoC