I'LL JUST USE MY SHOTGUN

A talk about code smells

Jon Oftedal Høberg

What are code smells?

- Not bugs or errors

- Why is it important to nip them in the bud?
- Maintainability
- Readability
- Extensibility
- Prevent future bugs

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Types of code smells

- Bloaters
- Object-Orientation abusers
- Dispensables
- Couplers
- Change preventers

Shotgun surgery

- Make a small change?
- Think again buddy

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```
8 references | Jon Oftedal Høberg, 20 days ago | 1 author, 1 change | 1 work item
public string UserUniqueAzureId { get; set; }
```

```
8 references | Jon Oftedal Høberg, 20 days ago | 1 author, 1 change | 1 work item
public Guid UserUniqueAzureId { get; set; }
```

CS0029	Cannot implicitly convert type 'string' to 'System.Guid'
CS1503	Argument 3: cannot convert from 'string' to 'System.Guid'
CS0029	Cannot implicitly convert type 'System.Guid' to 'string'
CS1503	Argument 1: cannot convert from 'string' to 'System.Guid?'
CS1503	Argument 1: cannot convert from 'string' to 'System.Guid?'
CS1503	Argument 3: cannot convert from 'string' to 'System.Guid'
CS0019	Operator '==' cannot be applied to operands of type 'string' and 'Guid'

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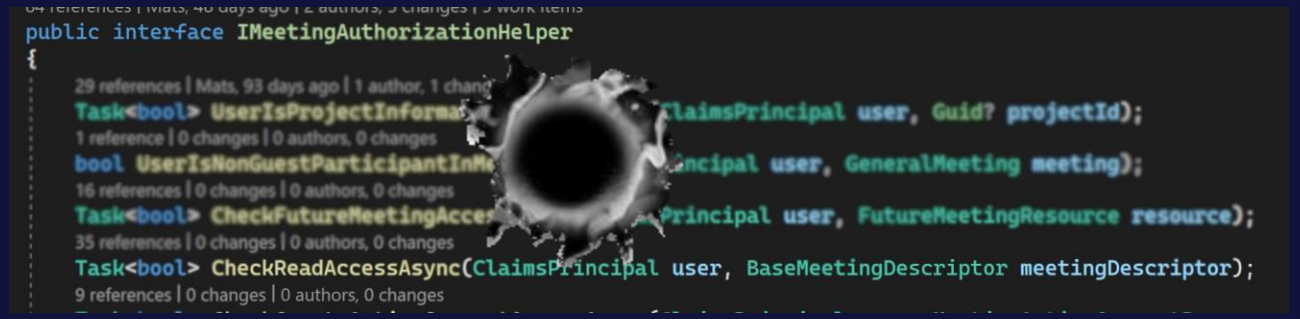
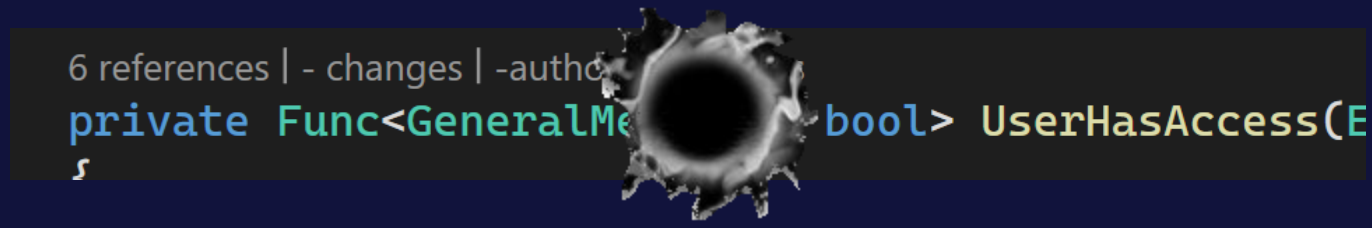
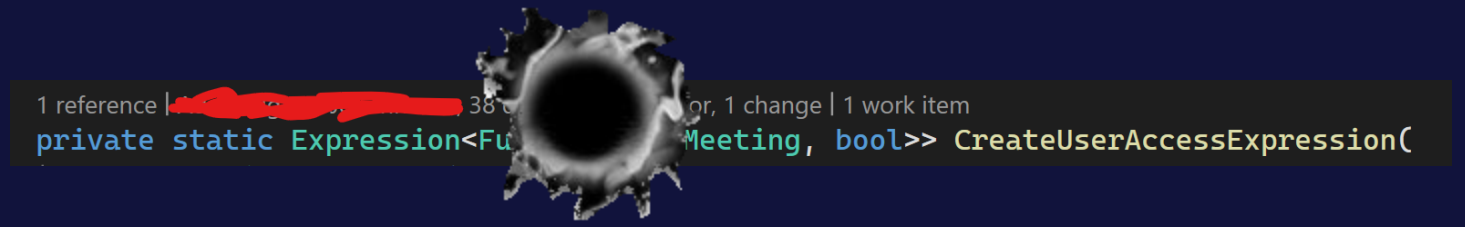
Adding a role







So what can we do?

- Move methods and fields

- Organize
- Maximize cohesion
- Minimize coupling
- Reduce code duplication.

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QUESTIONS?

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Sources

- Alcor Academy

- Refactoring guru
- https://refactoring.guru/