

Demo: Refactor to Clean C#



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PRINCIPAL CONSULTANT

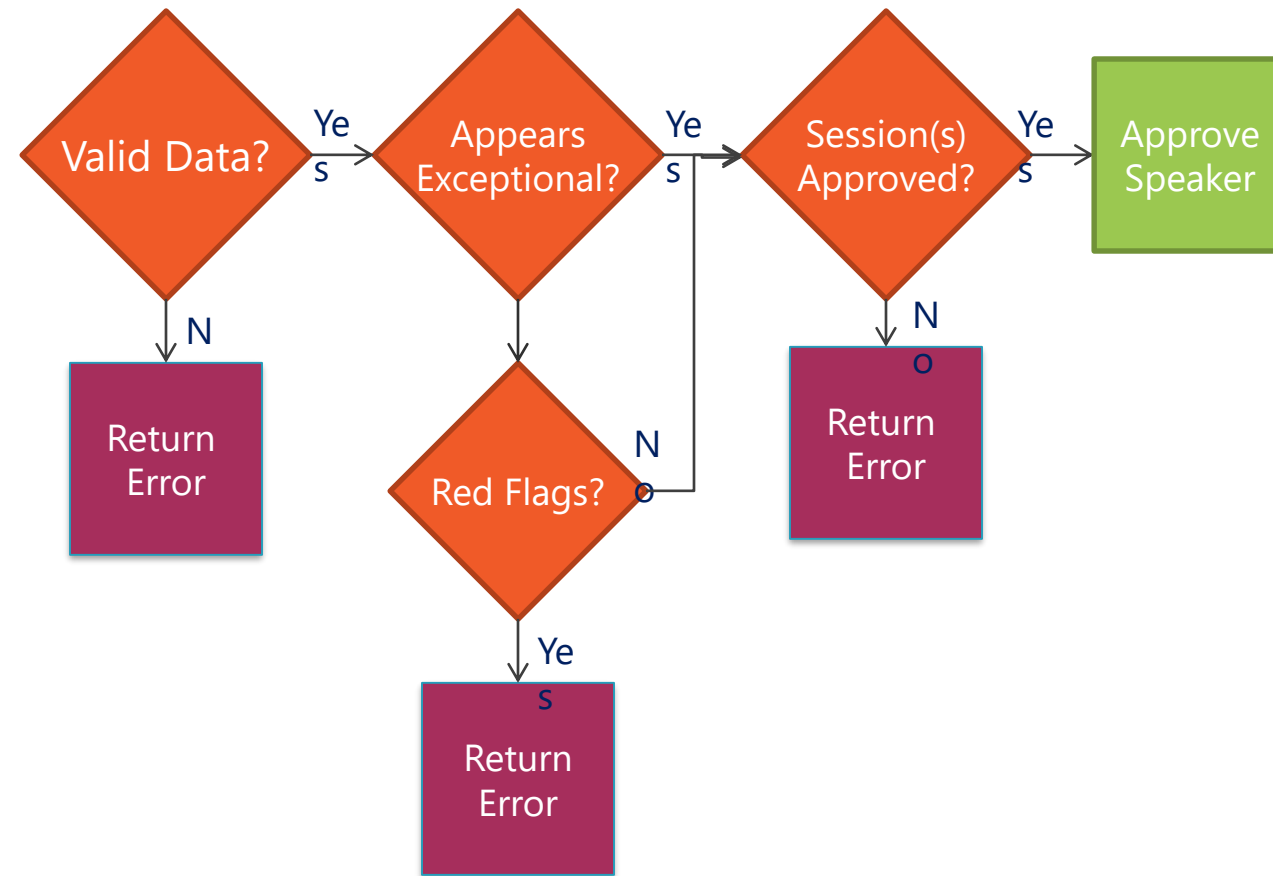
@housecor www.cleancsharp.net



Agenda

Refactor “Code Luau” App
Utilize clean coding principles
Compare metrics before and after

Register Speaker – Business Logic



Speaker Application

Complete the form below to apply as a speaker for Code Luau. If you're accepted, your registration fee will be calculated based on your years experience.

Step 1: Personal Information

Please tell us about yourself.

First name

Last name

Email address

Employer

Years Experience

Have a blog?

☐

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Agenda



Refactor to clean C#

1. Remove unhelpful comments
2. Refactor to Mayfly variables
3. Use positive conditionals
4. Implement guard clauses
5. Improve naming
6. Return early
7. Aggregate related logic
8. Consolidate guard clauses
9. Use table-driven method
10. Fail fast

What a Contrast!

 Register

 Register

Validate Registration

Validate Data

Check if speaker appears qualified

Appears Exceptional

Obvious Red Flags

Approve Sessions

Session is about old tech

Save Speaker



Summary



Write tests before refactoring

Long method -> Multiple methods

- Clear intent
- High signal to noise ratio

TED

- Terse
- Expressive
- Does one thing

Reduced cyclomatic complexity

Final module: Staying clean

