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Test Driven Node.js

Agenda

1:30 - 5:30

25% Demonstration

75% Hands On

Coaching Throughout

Why TDD?

Why



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Exercise 1.a

Ensure you can't place a ship off the board

- board-spec.js
- board.js

Exercise 1.b

Improve the AI's ship placement

- opponent-spec.js
- opponent.js

Exercise 1.c

Improve the AI's firing algorithm

- opponent-spec.js
- opponent.js

We usually test
outside in

Exercise 2.a

Add a list games end to end spec and
impl

- api-spec.js
- routes/games.js
- app.js

Why Integration Tests?

Exercise 3.a

Find most recent games

- game-manger-spec.js
- game-manager.js
- game-spec.js
- game.js

How do we test
this in isolation?

Exercise 3.b

Decouple Mongo from our Manager

- game-manager.js
- New Wrapper class
- New Isolation test

Early Abstractions
are less painful
than
Late Extractions

Exercise 4

Options?

- Grid Size should be 10x10
- Multiple Ships (sizes 5,4,3,3,2)
- Email Results

Thank You!

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@testdouble