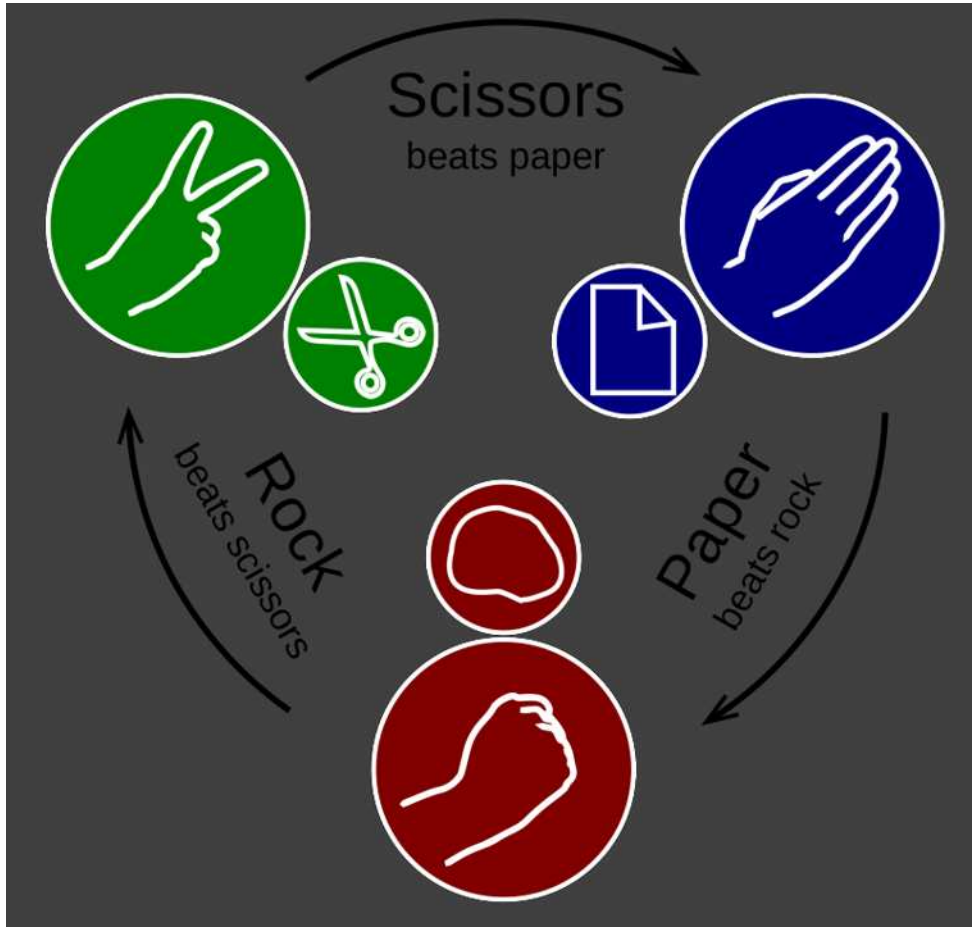
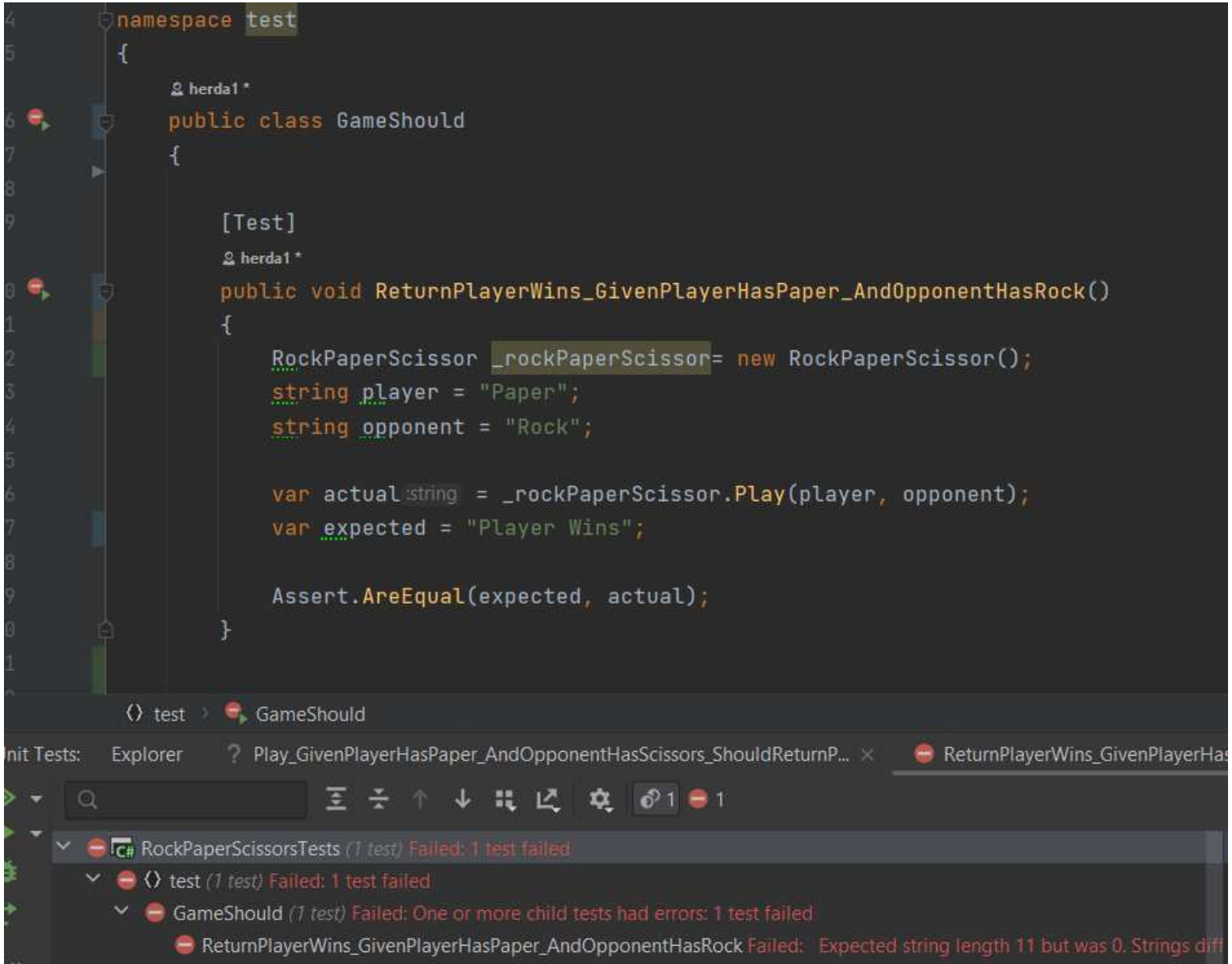
Test Driven Development

Herda Akshija

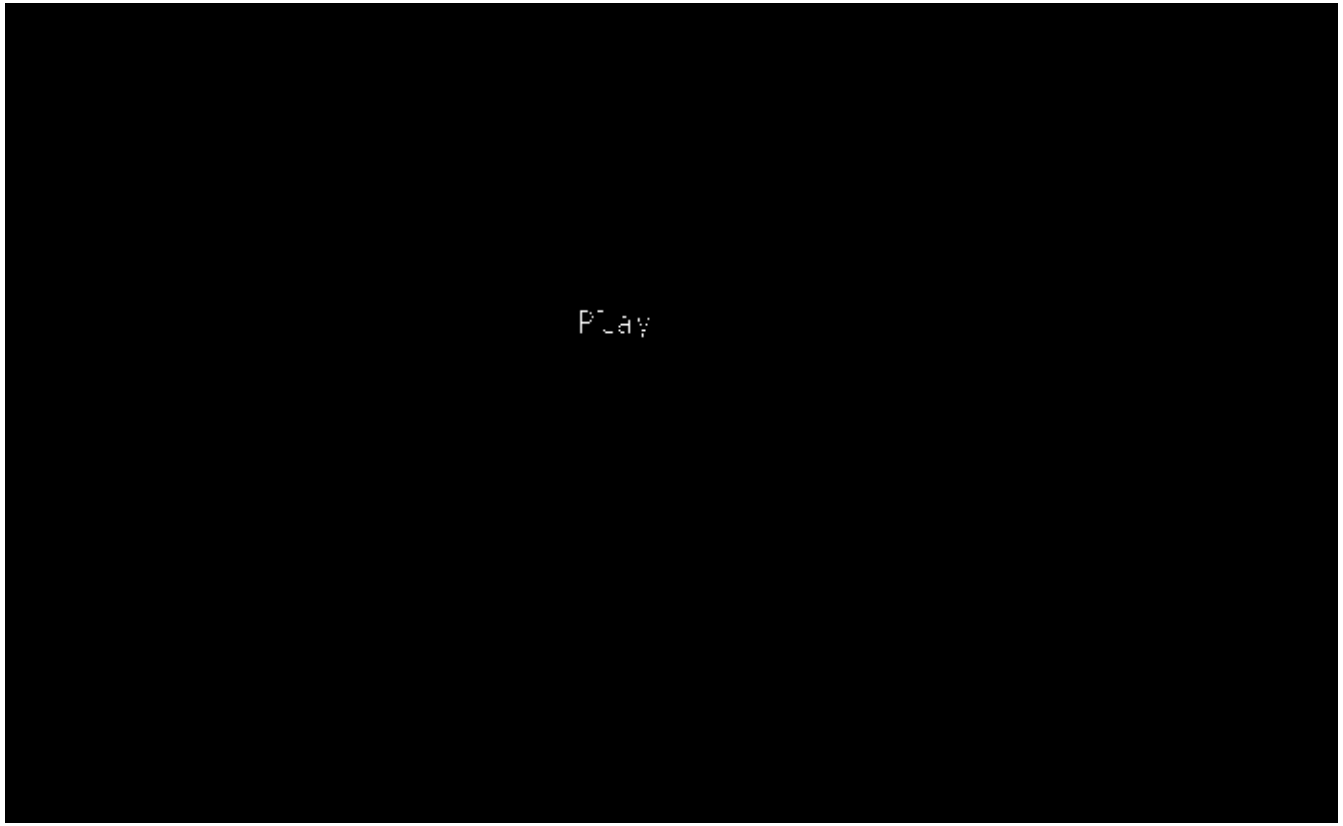
Case Study: Rock – Paper – Scissors Kata



1. Start by writing a failing test

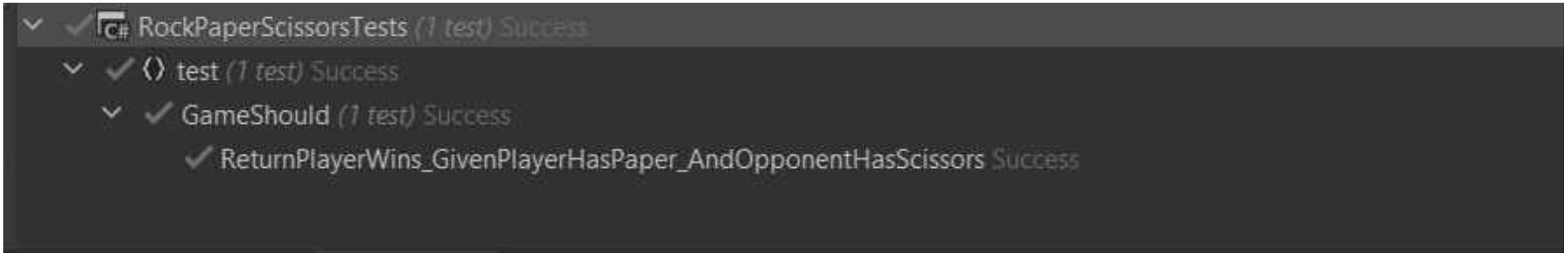


Make sure that is failing for the right reason



Naming

- Describe a business feature or behavior.
  - Read the test name as a full sentence with the test class name



2. Then make it pass

From red to green

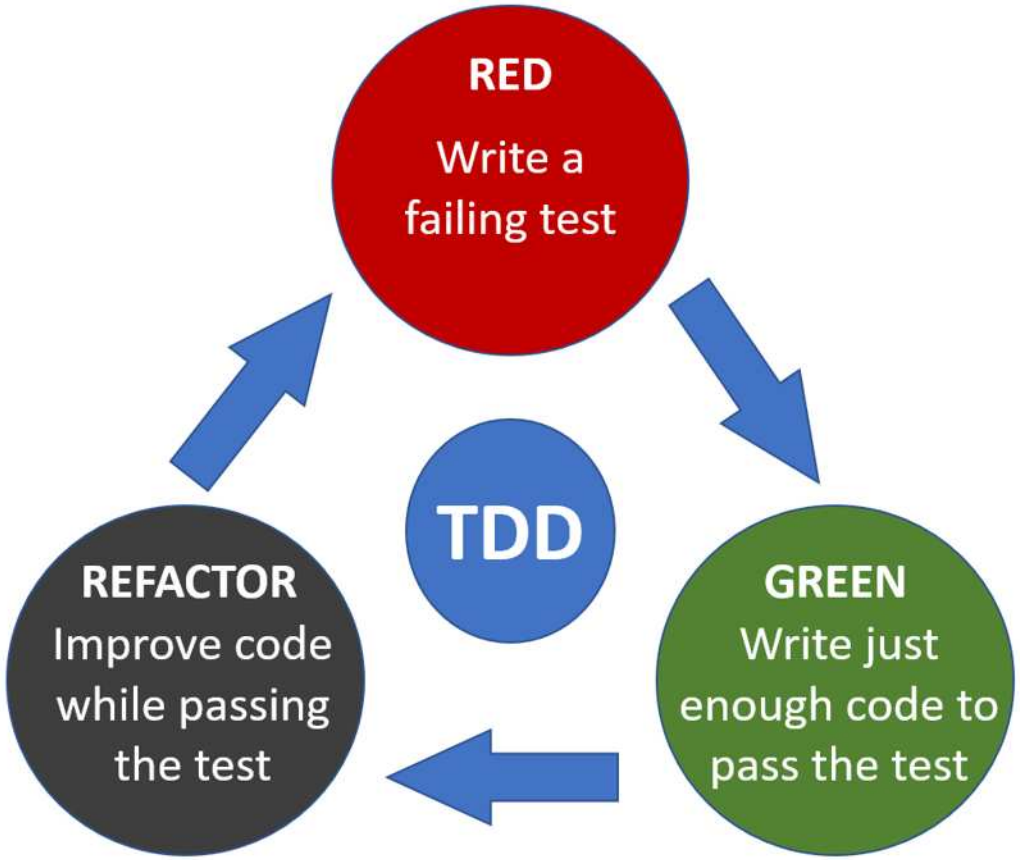
FAKE IT

OBVIOUS IMPLEMENTATION

TRIANGULATION

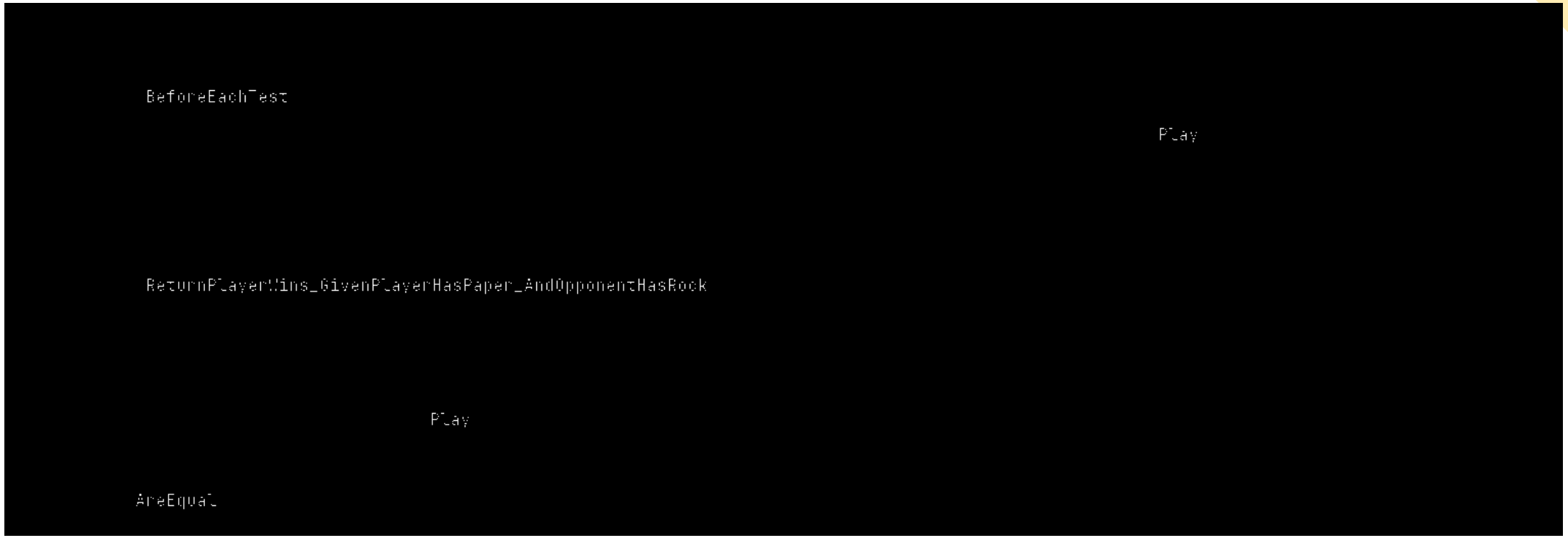
Input	Expected Output	Strategy	Implementation
Player: Paper Opponent: Rock	Player Wins	Fake it	Return “Player Wins”
Player: Paper Opponent: Scissor	Player Loses	Obvious implementation	if (opponent == "Scissor") return "Player Loses";
Player: Paper Opponent: Paper	Tie	Obvious implementation	if (opponent == "Paper") return “Tie";
Player: Rock Player: Rock	Tie	Obvious implementation + triangulation	if (opponent == player) return "Tie";

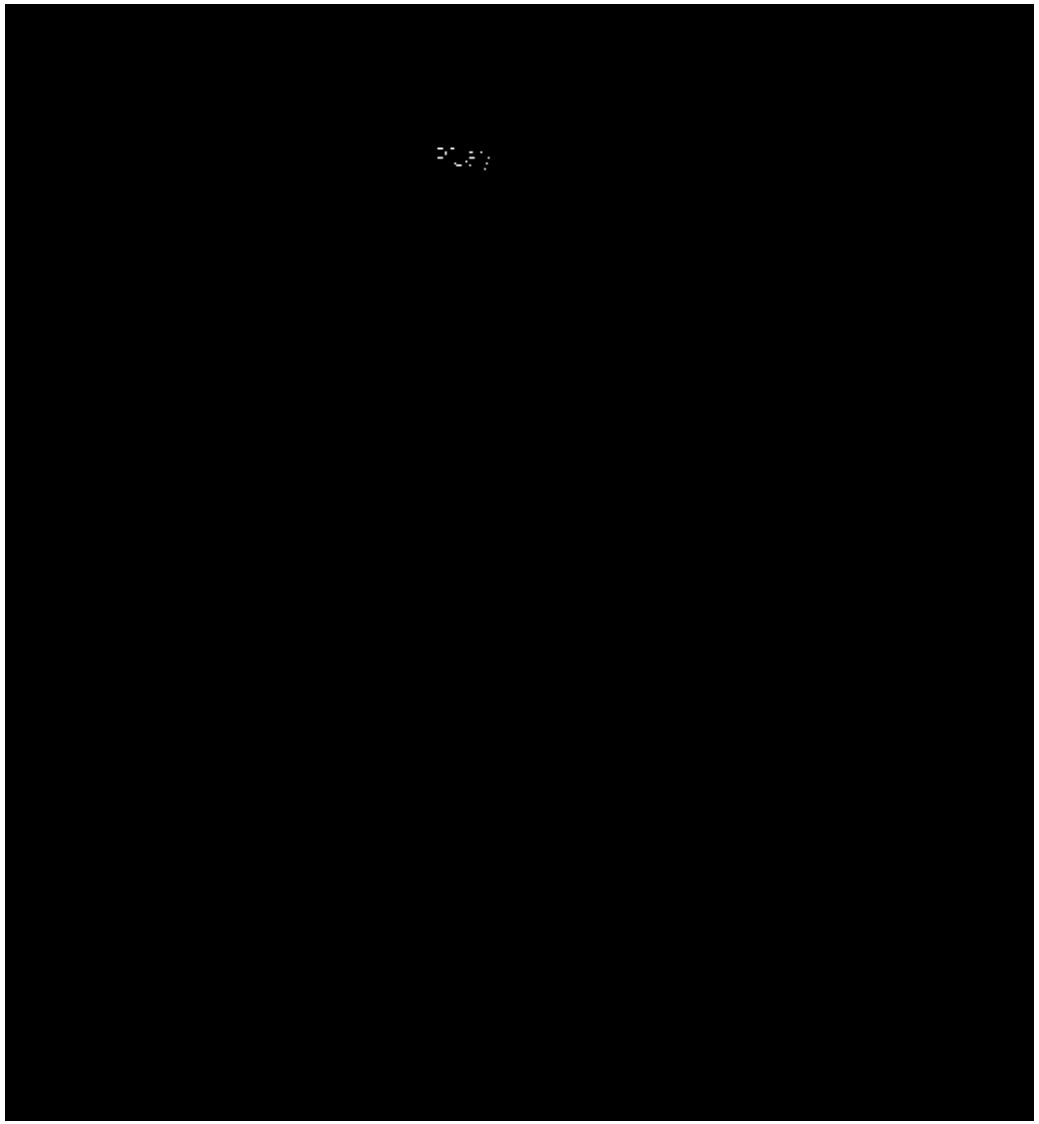
Red, Green, Refactor

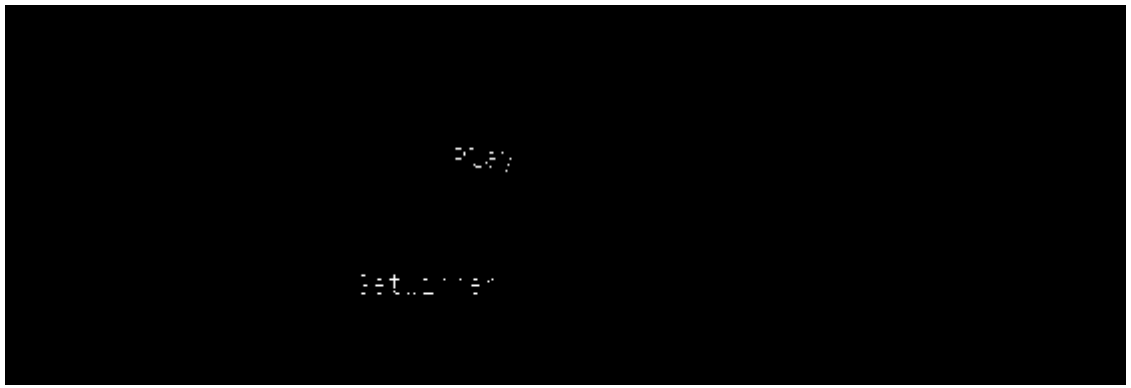


3. When all Green -> Refactor

- The Rule of 3







Thank you!

Contact:
herda.akshija@bouvet.no