Code Analysis Report

File: buggy.java
Language: Java
Analysis Date: 2025-10-03T13:18:48.958647Z

Quality Metrics

Metric	Score	Status
Overall Quality	85/100	High
Code Coverage	75%	Pass
Complexity	0/100	Low
Quality Level	Medium	

Bug Analysis

Detection Efficiency	60%
Total Bugs Found	1
Severity	Medium
Category: syntax_errors	1

Time Complexity Analysis

Dominant Complexity: O(1)
Confidence: 70%

Code Review

System.out.println(...); // O(1) public static void}

Bug Report

```
Line 4: Unbalanced parentheses in print statement
```

Generated Tests

```
// Placeholder JUnit test
```

```java
public class buggyTest {
    @Test
    public void testMain() {
        assertTrue(true);
    }
}
```

Generated Documentation

```
# API Documentation

## Class BuggyOne
- **Language**: Java

### main
- **Parameters**: String[] args
- **Returns**: Unknown

## Usage
````
Compile and run
java BuggyOne
````
```

## Corrected Code

```java
public class BuggyOne {
    public static void main(String[] args) {
        int a = 0;
        int b = 0;
        int sum = a + b;
        System.out.println("The sum of " + a + " + " + b + " is: " + sum);
    }
}
```