

**Test - Midterm**  
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# Indholdsfortegnelse

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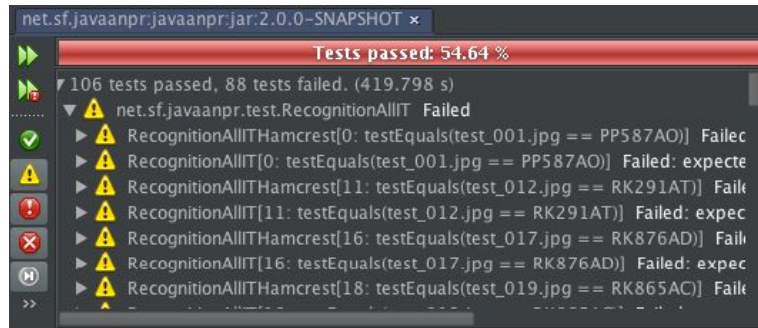
# Project 1

## Testing Real Life Code

## Test class

```
RecognitionAll.java
Source History
1 package net.sf.javaanpr.test;
2
3 import java.io.BufferedReader;
4 import java.io.FileNotFoundException;
5 import java.io.FileReader;
6 import java.io.IOException;
7 import java.util.ArrayList;
8 import java.util.Collection;
9 import java.util.List;
10 import javax.xml.parsers.ParserConfigurationException;
11 import net.sf.javaanpr.imageanalysis.CarSnapshot;
12 import net.sf.javaanpr.intelligence.Intelligence;
13 import static org.hamcrest.CoreMatchers.is;
14 import static org.hamcrest.CoreMatchers.notNullValue;
15 import org.junit.Test;
16 import static org.junit.Assert.*;
17 import org.junit.runner.RunWith;
18 import org.junit.runners.Parameterized;
19 import org.junit.runners.Parameterized.Parameters;
20 import org.slf4j.Logger;
21 import org.slf4j.LoggerFactory;
22 import org.xml.sax.SAXException;
23
24 @RunWith(Parameterized.class)
25 public class RecognitionAll {
26
27     private static final Logger logger = LoggerFactory.getLogger(RecognitionAll.class);
28     private final String inserted;
29     private final String expected;
30
31     public RecognitionAll(String input, String expected) {
32         this.inserted = input;
33         this.expected = expected;
34     }
35
36     private static List<String[]> readFile(BufferedReader br) throws IOException {
37         try {
38             List<String[]> arraylist = new ArrayList<>();
39             String line;
40             while ((line = br.readLine()) != null) {
41                 arraylist.add(line.split(""));
42             }
43             return arraylist;
44         } finally {
45             br.close();
46         }
47     }
48
49     @Parameters
50     public static Collection<Object[]> testAllSnapshots() throws FileNotFoundException, IOException {
51         List<String[]> data = readFile(new BufferedReader(new FileReader("src/test/resources/results.properties")));
52         Collection<Object[]> collectionArraylist = new ArrayList<>();
53         for (String[] s : data) {
54             collectionArraylist.add(s);
55         }
56         return collectionArraylist;
57     }
58
59     @Test
60     public void testSingle() throws IOException, ParserConfigurationException, SAXException {
61         CarSnapshot carSnap = new CarSnapshot("snapshots/" + inserted);
62         assertThat(carSnap, notNullValue());
63         assertThat(carSnap.getImage(), notNullValue());
64         Intelligence intel = new Intelligence();
65         assertThat(intel, notNullValue());
66         String spz = intel.recognize(carSnap);
67         assertThat(spz, notNullValue());
68         assertThat(spz, is(expected));
69         carSnap.close();
70     }
71 }
```

## Test Result



## Project 2

*Unit Testing, Testable Code, Mocking and Code Coverage*

### Link

<https://github.com/pwestdk/startCodeForTesting1>

*Denne aflevering er lavet i samarbejde med Kasper Karstensen*