

CADOCS

Conversational Agent for the Detection of Community Smells

Test Summary Report

<https://github.com/gianwario/csDetector>

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1 Introduction

In this document, we will report the execution of the tests defined in the Test Plan.

2 Introduction

3 Test Summary Report

We were able to test each new functionality introduced within the change requests. Our testing approach, as defined in the Test Plan, was to test them as a Unit when possible and then make use of the Regression testing in order to test them at System level.

The execution of the tests defined in the Test Case Specification document led us to the following results:

Table 1 Test Executions.

Exec ID	Total Tests	Test Failed	Test Succeeded
1	21	5	16
2	21	0	21

3.1 Regression Testing

We used the Regression testing approach both to check if the new versions of the tool were still working and to check if the new implemented functionalities worked as expected.

We executed the tool on two repositories:

- <https://github.com/tensorflow/serving>
- <https://github.com/keras-team/keras-applications>

By executing them on the original tool, we found out they were able to detect each of the ten possible community smells. In particular, the original results are shown in Table 2.

Table 2 Results of the execution of csDetector

https://github.com/tensorflow/serving	OSE, BCE, PDE, SV, RS, UI, TC.
https://github.com/keras-team/keras-applications	OSE, BCE, PDE, OS, SD, TF.

3 Test Summary Report

After each CR was implemented, in the moment of merging the changes onto the main branch of our shared repository, we executed the tool on the same repositories stated above. In the Table 3 are available the results of this process.

Table 3 Results of the execution of csDetector after each CR

CR_1	Same community smells on both repositories	Passed
CR_2	Same community smells on both repositories	Passed
CR_3	Same community smells on both repositories	Passed
CR_4	Same community smells on both repositories	Passed
CR_5	Same community smells on both repositories	Passed
