



fill the void.



Porto Oculto

Test Report

Revision: 0.1

Client: Coletivo oitoo and

OASRN

Date of Revision: 05/31/2019



Revision History

REVISION					
REV.	DATE	DESCRIPTION	BY	REVISION	APPROVED BY
0.1	<u>05/31/19</u>	<u>INITIAL VERSION</u>	<u>Tiago Lacerda</u>	<u>Erica Lima</u>	<u>Mila</u>



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1. Purpose of the document

The purpose of the document is to show test results to the client, in this case coletivo oitoo and all the parts interested.

2. Definitions and Abbreviations

Initials	Description
Gitlab	Online repository where the entire code is located
Pipeline	Top-level component of continuous integration, delivery, and deployment.
JaCoCo	<i>Java code coverage</i> . Library used to check the code's quality assurance through tests, and the automatic generation of reports.

Table 1 - Definitions and Abbreviations

3. Total test results

All the user stories were unit tested integrally or partially, case in point: Views, ViewModels, utilities, Functions, connection to the database and overall functionality. All classes and packages from the application were tested, with 100% class coverage.

Tests were done for functionality, with them being changed to account for the program's growing complexity.

4. Unit test results

Throughout the whole project, as the project was being developed, every feature was tested accordingly, and counter-regressions were assured through the use of the Gitlab pipelines.

Testing on each sprint allowed for the discovery of bugs and incoherencies, which were added as issues, and posteriorly corrected.

Reports were generated through JaCoCo and then analyzed, providing information about the state of testing and condition coverage of the code. Most of the conditions were tested. In the following image is



an excerpt of the report on the model class and the state of its instruction coverage.

Element	Missed Instructions	Cov.
Submission		77%
Post		61%
Submission.new Parcelable.Creator() {...}		27%
Registration		100%
SignInValidation		100%

Figura 1 Model class test report

5. Alpha test results

As soon as the application had enough functionality to be used - and tested- acceptance and usability tests were made to verify the development of the application was going along with what was planned by the customers.