

## Test Plan

# CSRepo - Metadata Repository for Computing Conferences

## Version 1.0

### 1. Introduction

This document records the test planning related to the CSRepo System (Metadata Repository for Computing Conferences).

### 2. Test cases

<b>Test Case Identifier</b>	TC01
<b>Requirement</b>	FR05
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	Inexistent conferences: EXEMPLO 123, ICSE 2020, EXEMPLO 2016
<b>Expected output</b>	Message: “Conference edition isn't available”.

*Table 2.1 – Test case TC01*

<b>Test Case Identifier</b>	TC02
<b>Requirement</b>	FR06
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	Existent article: GENUS: An ETL tool treating the Big Data Variety
<b>Expected output</b>	The download of the desired metadata is initiated in an archive with export patterns.

*Table 2.2 – Test case TC02*

<b>Test Case Identifier</b>	TC03
<b>Requirement</b>	FR07
<b>Pre-conditions</b>	The API must have an established connection to the database.

<b>Input</b>	Inexistent paper:“AGRO é tec, agro é pop, agro é tudo”
<b>Expected output</b>	Message: “Paper isn't available”.

*Table 2.3 – Test case TC03*

<b>Test Case Identifier</b>	TC04
<b>Requirement</b>	FR08
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	Existent conference: AICCSA
<b>Expected output</b>	A list of articles published at the desired conference is formed, sorted by edition.

*Table 2.4 – Test case TC04*

<b>Test Case Identifier</b>	TC05
<b>Requirement</b>	FR09
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	Inexistent conferences: ABCDEFG, CONFTEST
<b>Expected output</b>	Message: “Conference isn't available”.

*Table 2.5 – Test case TC05*

<b>Test Case Identifier</b>	TC06
<b>Requirement</b>	FR10
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	Click ‘Categories’ on website
<b>Expected output</b>	A list of categories is formed.

*Table 2.6 – Test case TC06*

<b>Test Case Identifier</b>	TC07
<b>Requirement</b>	FR11
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	1.Conference error

	2. João Falamansa 3. falajao@email.com 4. The name of ICSE is wrong on the site.
<b>Expected output</b>	The report is saved on database with all information about user and error, a message is shown: "The inconsistency was registered and that will be forwarded for analysis".

*Table 2.7 – Test case TC07*

<b>Test Case Identifier</b>	TC08
<b>Requirement</b>	FR11
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	1. Paper error 2. João Falamansa 3. falajao@email.com 4. The paper is duplicated on the site.
<b>Expected output</b>	The report is saved on database with all information about user and error, a message is shown: "The inconsistency was registered and that will be forwarded for analysis".

*Table 2.8 – Test case TC08*

<b>Test Case Identifier</b>	TC09
<b>Requirement</b>	FR11
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	1. Edition error 2. João Falamansa 3. falajao@email.com 4. The ICSE 2018 is duplicated on the site.
<b>Expected output</b>	The report is saved on database with all information about user and error, a message is shown: "The inconsistency was registered and that will be forwarded for analysis".

*Table 2.9 – Test case TC09*

<b>Test Case Identifier</b>	TC10
<b>Requirement</b>	FR12
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	Username: jose@email.com Senha: 1234
<b>Expected output</b>	The administrator can modify the information contained in the database through the reported error shown on the home screen.

*Table 2.10 – Test case TC10*

<b>Test Case Identifier</b>	TC11
<b>Requirement</b>	FR14
<b>Pre-conditions</b>	The API must have an established connection to the database.
<b>Input</b>	Access website
<b>Expected output</b>	Formation of a list with all volumes added by the last update and inform the date of update.

*Table 2.11 – Test case TC11*

### 3. Test Procedures

<b>Test Procedure Id:</b> TP01			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 4 (1: open netbeans, 2: open project, 3: execute project, 4: search)			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC01	Message: “Conference edition isn't available”.	There is no search field	Failed
<b>Finishing:</b>			

*Table 3.1 – Test Procedure TP01*

<b>Test Procedure Id:</b> TP02			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC02	The download of the desired metadata is initiated in an archive with export patterns.	The download of the desired metadata is initiated in an archive .bib.	Success
<b>Finishing:</b>			

*Table 3.2 – Test Procedure TP02*

<b>Test Procedure Id:</b> TP03			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC03	Message: “Paper isn't available”.	Message: ‘No papers found with given criteria’	Success
<b>Finishing:</b>			

*Table 3.3 – Test Procedure TP03*

<b>Test Procedure Id:</b> TP04			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>

TC04	A list of articles published at the desired conference is formed, sorted by edition.	A list of articles published at AICCSA is formed, sorted by edition.	Success
<b>Finishing:</b>			

*Table 3.4 – Test Procedure TP04*

<b>Test Procedure Id:</b> TP05			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC05	Message: "Conference isn't available".	Message: 'No conferences found with given criteria'	Success
<b>Finishing:</b>			

*Table 3.5 – Test Procedure TP05*

<b>Test Procedure Id:</b> TP06			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 4 (1: open netbeans, 2: open project, 3: execute project, 4: click 'categories')			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC06	A list of categories is formed.	No output	Failed
<b>Finishing:</b>			

*Table 3.6 – Test Procedure TP06*

<b>Test Procedure Id:</b> TP07			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 6 (1: open netbeans, 2: open project, 3: execute project, 4: click 'conference, 5: select one conference, 6: click 'Report error')			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC07	The report is saved on database with all information about user and error, a message is shown: "The inconsistency was registered and that will be forwarded for analysis".	Message 'Report registered' was not shown.	Failed
<b>Finishing:</b>			

*Table 3.7 – Test Procedure TP07*

<b>Test Procedure Id:</b> TP08			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 6 (1: open netbeans, 2: open project, 3: execute project, 4: click 'paper', 5: select one paper, 6: click 'Report error')			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC08	The report is saved on database with all information about user and error, a message is shown: "The inconsistency was registered and that will be forwarded for analysis".	Message 'Report registered' was not shown.	Failed
<b>Finishing:</b>			

*Table 3.8 – Test Procedure TP08*

<b>Test Procedure Id:</b> TP09			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 6 (1: open netbeans, 2: open project, 3: execute project, 4: click 'edition', 5: search, 6: click 'Report error')			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC09	The report is saved on database with all information about user and error, a message is shown: "The inconsistency was registered and that will be forwarded for analysis".	Message 'Report registered' was not shown.	Failed
<b>Finishing:</b>			

*Table 3.9 – Test Procedure TP09*

<b>Test Procedure Id:</b> TP10			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC10	The administrator can modify the information contained in the database through the reported error shown on the home screen.	The admin part was not implemented, so there not output.	Failed
<b>Finishing:</b>			

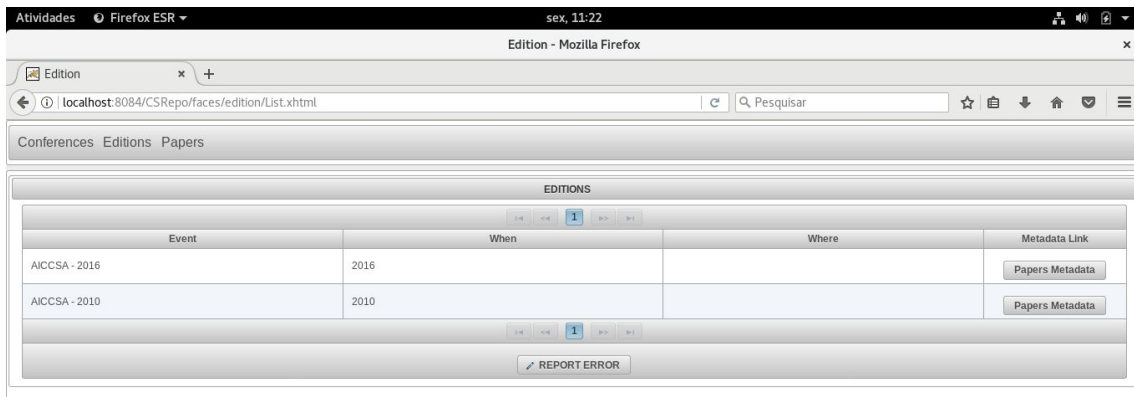
*Table 3.10 – Test Procedure TP10*



<b>Test Procedure Id:</b> TP11			
<b>Initialization:</b> The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
<b>Steps:</b> 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
<b>Test Case Id:</b>	<b>Expected Output:</b>	<b>Output Obtained:</b>	<b>Test Evaluation:</b>
TC11	Formation of a list with all volumes added by the last update and inform the date of update.	The list was not shown nor the last items shown	Failed
<b>Finishing:</b>			

*Table 3.11 – Test Procedure TP11*

The TP01 test procedure was not successful because there was no search field on the website, below is the test image 1:



*Image 1 - Editions*

The TP06 test procedure was not successful because the 'categories' part was eliminated from our scope at the time, we focused on developing other system functionalities, so the separation of the conference by categories was not implemented, below is the test image 2:



*Image 2 - Home screen CSRepo*

The error report tests (TP07, TP08, TP09) were only unsuccessful because they did not show the confirmation of the error submission for analysis. The admin part was not implemented for lack of time, so there was no output to test on TP10. In the test procedure TP11, there is no possibility to view the last articles added to the repository that should appear on the initial screen for the user along with the time and date of the last update.