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

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

Table 2.1 – Test case TC01

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

Table 2.2 – Test case TC02

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

Input	Inexistent paper:"AGRO é tec, agro é pop, agro é tudo"
Expected output	Message: "Paper isn't available".

Table 2.3 – Test case TC03

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

Table 2.4 – Test case TC04

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

Table 2.5 – Test case TC05

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

Table 2.6 – Test case TC06

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

	2. João Falamansa 3. falajao@email.com 4. The name of ICSE is wrong on the site.
Expected output	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

Test Case Identifier	TC08
Requirement	FR11
Pre-conditions	The API must have an established connection to the database.
Input	1.Paper error 2. João Falamansa 3. falajao@email.com 4. The paper is duplicated on the site.
Expected output	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

Test Case Identifier	TC09
Requirement	FR11
Pre-conditions	The API must have an established connection to the database.
Input	1.Edition error 2. João Falamansa 3. falajao@email.com 4. The ICSE 2018 is duplicated on the site.
Expected output	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

Test Case Identifier	TC10
Requirement	FR12
Pre-conditions	The API must have an established connection to the database.
Input	Username: jose@email.com Senha: 1234
Expected output	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

Test Case Identifier	TC11
Requirement	FR14
Pre-conditions	The API must have an established connection to the database.
Input	Access website
Expected output	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

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

Table 3.1 – Test Procedure TP01

Test Procedure Id: TP02			
Initialization: The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
Steps: 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
Test Case Id:	**Expected Output:**	**Output Obtained:**	**Test Evaluation:**
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.	Sucess
Finishing:			

Table 3.2 – Test Procedure TP02

Test Procedure Id: TP03			
Initialization: The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
Steps: 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
Test Case Id:	**Expected Output:**	**Output Obtained:**	**Test Evaluation:**
TC03	Message: "Paper isn't available".		Sucess
Finishing:			

Table 3.3 – Test Procedure TP03

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

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.	Sucess
Finishing:			

Table 3.4 – Test Procedure TP04

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

Table 3.5 – Test Procedure TP05

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

Table 3.6 – Test Procedure TP06

Test Procedure Id: TP07			
Initialization: The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
Steps: 6 (1: open netbeans, 2: open project, 3: execute project, 4: click 'conference, 5: select one conference, 6: click 'Report error')			
Test Case Id:	**Expected Output:**	**Output Obtained:**	**Test Evaluation:**
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
Finishing:			

Table 3.7 – Test Procedure TP07

Test Procedure Id: TP08			
Initialization: The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
Steps: 6 (1: open netbeans, 2: open project, 3: execute project, 4: click 'paper', 5: select one paper, 6: click 'Report error')			
Test Case Id:	**Expected Output:**	**Output Obtained:**	**Test Evaluation:**
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
Finishing:			

Table 3.8 – Test Procedure TP08

Test Procedure Id: TP09			
Initialization: The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
Steps: 6 (1: open netbeans, 2: open project, 3: execute project, 4: click 'edition', 5: search, 6: click 'Report error')			
Test Case Id:	**Expected Output:**	**Output Obtained:**	**Test Evaluation:**
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
Finishing:			

Table 3.9 – Test Procedure TP09

Test Procedure Id: TP10			
Initialization: The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
Steps: 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
Test Case Id:	**Expected Output:**	**Output Obtained:**	**Test Evaluation:**
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
Finishing:			

Table 3.10 – Test Procedure TP10

Test Procedure Id: TP11			
Initialization: The virtual machine must be properly installed, along with pgadmin, postgresql and netbeans, with access to the database 'csrepo'			
Steps: 5 (1: open netbeans, 2: open project, 3: execute project, 4: click edition, 5: search)			
Test Case Id:	**Expected Output:**	**Output Obtained:**	**Test Evaluation:**
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
Finishing:			

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:
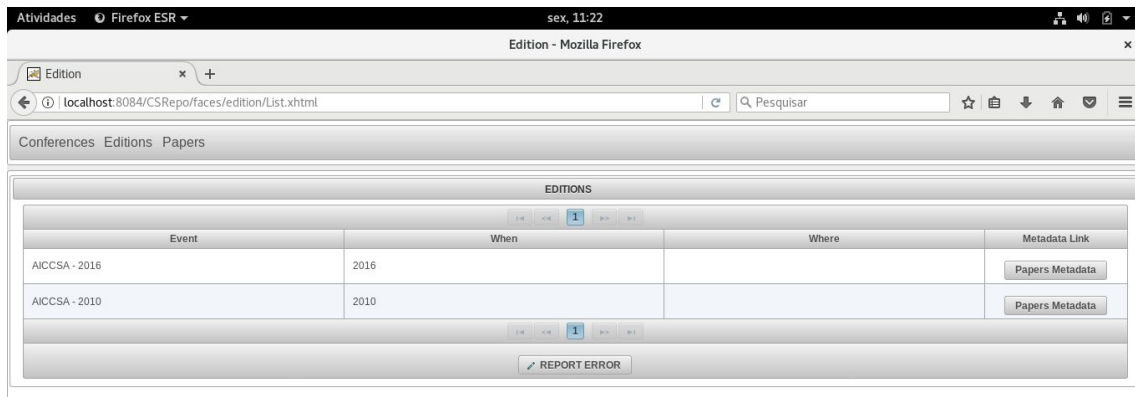

Image 1 - Editions

The TP06 test procedure was not successful because the 'categories' part was eliminated from our scope at that time, we focused on developing other system functionalities, so the separation of 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, so there not 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.