

Student #1 Sprint 4: Testing Report

Group: C1.04.14

Repository: <https://github.com/marizqlav/Acme-L3-D04>

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Summary

Acme Life-Long Learning, Inc. (Acme L3, Inc. for short) is a company that specializes in helping students get started in a variety of subjects with the help of renowned instructors. The goal of this project is to develop a WIS to help this organization run its business.

Revision table

Number	Date	Description
1	21/05/2023	Full redaction of the document

Introduction

This document lists the individual tasks assigned to the student during the fourth spring of development on Acme L3.

I have divided the document according to the test carried out and the computer involved. Therefore, the structure that consists would be distributed as follows:

- Contents
 - Functional testing
- Conclusion
- Bibliography

Once I reach the end of the document, I collect the result of the analysis carried out in the conclusion.

Contents

Functional testing

Due to the individual nature of this report, the team member designated to each task will be omitted. During the Sprint 4, Alberto Domínguez-Adame has implemented the following test cases, grouped by functionality. For each test case, a succinct description will be provided plus a clear indication of how effective it was in detecting errors.

Course Test

- **Create:**
 - **positive:**
Create a course and let you enter the empty list of lectures of that course
 - **negative:**
The course is not created because the restrictions are not met
 - **hacking:**
This test tries to create a course using principals with inappropriate roles
- **Delete:**
 - **positive:**
Courses are successfully eliminated
 - **negative:**
It is not removed because those courses are published and a published courses cannot be deleted
 - **hacking:**
This test tries to delete a course of the current lecturer with a role other than said lecturer .
- **ListAllByLecturer:**
 - **positive:**
This test signs in as a lecturer, lists all of the courses, and then checks that the listing shows the expected data.
 - **negative:**
There aren't any negative tests for this feature because it's a listing
 - **hacking:**
This test tries to list all of the courses using inappropriate roles.

- **Publish:**

- **positive:**

- The courses are published in a correct way

- **negative:**

- This test attempts to publish courses that cannot be published, yet.

- **hacking:**

- This test tries to publish a course of a lecturer with a role other than said lecturer .

- **Show:**

- **positive:**

- This test signs in as a lecturer, lists all of the courses, clicks on one of them, and checks that the form has the expected data.

- **negative:**

- There aren't any negative tests for this feature because it's a show that doesn't involve entering any data in any forms.

- **hacking:**

- This test tries to show a course of a lecturer with a role other than said lecturer .

- **Update:**

- **positive:**

- Course is well updated

- **negative:**

- This test tries to update a course and fails, as the constraints are not met.

- **hacking:**

- This test tries to update a course of a lecturer with a role other than said lecturer.

Lecture Test

- **Create:**

- **positive:**

Create a lecture with appropriate input values.

- **negative:**

The lecture is not created because the restrictions are not met

- **hacking:**

This test tries to create a lecture using principals with inappropriate roles

- **Delete:**

- **positive:**

Lectures are successfully eliminated

- **negative:**

It is not removed because those lectures are published and a published courses cannot be deleted

- **hacking:**

This test tries to delete a lecture of a lecturer with a role other than said lecturer .

- **ListAllByLecturer:**

- **positive:**

This test signs in as a lecturer, lists all of the lectures, and then checks that the listing shows the expected data.

- **negative:**

There aren't any negative tests for this feature because it's a listing

- **hacking:**

This test tries to list all of the lectures using inappropriate roles.

- **Publish:**

- **positive:**

- The lectures are published in a correct way

- **negative:**

- This test attempts to publish lectures that are already published.

- **hacking:**

- This test tries to publish a lecture of a lecturer with a role other than said lecturer .

- **Show:**

- **positive:**

- This test signs in as a lecturer, lists all of the lectures, clicks on one of them, and checks that the form has the expected data.

- **negative:**

- There aren't any negative tests for this feature because it's a show that doesn't involve entering any data in any forms.

- **hacking:**

- This test tries to show a lecturer of a lecturer with a role other than said lecturer .

- **Update:**

- **positive:**

- Lecture is well updated

- **negative:**

- This test tries to update a lecture and fails, as the constraints are not met.

- **hacking:**

- This test tries to update a lecture of a lecturer with a role other than said lecturer.

Conclusion

In conclusion, the tests were definitely helpful, as I was able to find many mistakes in my code, and at the same time to refactor it.

Bibliography

- Document "On Your Derivables" of EV of the subject Design and Testing II.
- Document "So6 - On your follow-ups" of EV of the subject Design and Testing II.
- Document "o8- Annexes" of EV of the subject Design and Testing II.