Test Case Specification

1. Introduction

This document provides the test cases to be carried out for the PCTO Application. Each part to be tested is represented by an individual test case. Each case details the input and expected outputs.

2. Test Cases: Login

Test ID: 2.1

FIELD	DESCRIPTION
Title	Correct login as student
Feature	Log in to use the application as student.
Objective	Confirm that proper username and password yield access to the website as expected.
Setup	A web server must be running.

Test Data

Login information:

- Username: *Username existing on Spaggiari*
- Password: *Password associated with that user*

Test Actions

1. Access the login page
2. Select the "student" type
3. Enter login information

Expected Results

You access a page that offers the possibility to search for companies in the database, apply filters, or log out.

Test ID: 2.2

FIELD	DESCRIPTION
Title	Correct login as tutor
Feature	Log in to use the application as tutor.
Objective	Confirm that proper username and password yield access to the website as expected.
Setup	A web server must be running.

Test Data

Login information:

- Username: *Username existing on Spaggiari*
- Password: *Password associated with that user*

Test Actions

1. Access the login page
2. Select the "tutor" type
3. Enter login information

Expected Results

You access a page that offers the possibility to search for companies in the database, apply filters, change them or log out.

Test ID: 2.3

FIELD	DESCRIPTION
Title	Incorrect password
Feature	Log in to use the application.
Objective	Confirm that a valid username with an invalid password denies access to the website without leaving the user stranded.
Setup	A web server must be running.

Test Data

Login information:

- Username: *Username existing on Spaggiari*
- Password: password1234

Test Actions

1. Access the login page
2. Select a user type
3. Enter invalid login information

Expected Results

You remain on the login page and you are informed that your login credentials are incorrect.

3. Test Cases: Filtering companies

Test ID: 3.1

FIELD	DESCRIPTION
Title	Adding correct filters
Feature	Add filters to search for specific companies.
Objective	Confirm that the use of filters reduces the number of companies displayed.
Setup	A web server must be running and there must be a connection to the database.

Test Data

Filters applied:

- Province: Verona
- District: San Giovanni Lupatoto

Test Actions

1. Add the filters in the provided space

Expected Results

All the companies present in Verona, in the municipality of San Giovanni Lupatoto, will be displayed.

Test ID: 3.2

FIELD	DESCRIPTION
Title	Adding inexistent filters
Feature	Add filters to search for specific companies.
Objective	Confirm that using inexistent filters does not return any results.
Setup	A web server must be running and there must be a connection to the database.

Test Data

Filters applied:

- Province: Zevio

Test Actions

1. Add the filters in the provided space

Expected Results

No company will be displayed.

4. Test Cases: Company information

Test ID: 4.1

FIELD	DESCRIPTION
Title	View company information
Feature	View more information about a particular company.
Objective	Confirm that clicking on a company displays additional information about it.
Setup	A web server must be running and there must be a connection to the database.

Test Data

N/A

Test Actions

1. Click on a company

Expected Results

A page containing more information about the chosen company will be displayed.

5. Test Cases: Modify companies

Test ID: 5.1

FIELD	DESCRIPTION
Title	Adding companies
Feature	Add a company to the database.
Objective	Confirm that by entering the data of a new company, it appears in the list
Setup	A web server must be running and there must be a connection to the database. "Tutor mode" is required.

Test Data

Company information:

- Type: Azienda
- Name: Prova SRL
- Province: Verona
- District: San Giovanni Lupatoto
- Nation: Italia
- Address: Via Prova, 1
- CAP: 37057

Test Actions

1. Select the "add" option
2. Enter the data

3. Save changes

Expected Results

The company will appear on the list.

Test ID: 5.2

FIELD	DESCRIPTION
Title	Removing companies
Feature	Remove a company from the database.
Objective	Confirm that by deleting a company, it doesn't appear in the list anymore.
Setup	A web server must be running and there must be a connection to the database. "Tutor mode" is required.

Test Data

N/A

Test Actions

1. Select the "remove" option
2. Select the company
3. Save changes

Expected Results

The company will not appear on the list anymore.

Test ID: 5.3

FIELD	DESCRIPTION
Title	Modifying companies
Feature	Modify a company in the database.
Objective	Confirm that, by modifying a company, the changes appear in the list.

Setup	A web server must be running and there must be a connection to the database. "Tutor mode" is required.

Test Data

- Province: Firenze

Test Actions

1. Select the "modify" option
2. Select the company
3. Enter the new data
4. Save changes

Expected Results

The changes will appear on the list.