

UAT Test Plan for Feira&Office

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1. Scope

1.1. Objectives and business requirements

In this section, outline the business requirements. In other words:

- What are our goals? What are we hoping to accomplish with this project/feature?
- How will we measure success?

The aim of this project is to develop software to manage the "Feira&Office" business. Where the company brings in stock through purchases from its suppliers and sends out stock to its customers.

We are planning to create software with a login, in which the password is encrypted with sha-256, which when used detects your permission level and some functionalities end up disappearing or appearing. When you enter the application, you'll have two comboboxes, each with its own theme: Users and Stock.

In the Users combobox we can see the options: Profile, Customers, Supplier, Operator and Admins.

Profile - View the app user's profile.

Customers - View all customers and manage them.

Suppliers - View all suppliers and manage them.

Operators - View all operators and manage them.

Admins - View all admins and manage them.

In the Stock combobox we will be able to see:

View Stock.

Here we'll be able to see the existing stock, upload xml files of suppliers' stocks and soon sell them.

We will calculate success by checking customer satisfaction throughout the sprints and on the final delivery dates.

We'll focus more on the functionality of the features that the client gave the most importance to and on unit tests.

1.2. Scope

In this section, outline the scope. This means:

- What is the pain point we're trying to fix?
- What are we testing exactly, and what are we *not* testing?

We're trying to solve any problems that may exist in the most important parts for customers at this early stage.

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The main problems we are trying to solve are:

login security and functionality

the validation of the stock xml file by xsd

the functionality of importing the stock xml into the database

employee management functionality

2. Testing team

In this section, list the members of your QA team and what their roles will be during the UAT in all Sprints

Name	Responsibilities
Bruno Silva	UAT Coordinator - handles communication between end users and QA team set up staging + usability test cases and reports and write UAT reports
Ricardo Pereira	Create test cases and test data
João Monteiro	Create test cases and test data

3. Milestones and deliverables

This section contains all deliverables for successful UAT execution.

3.1. Design & testing process

In this subsection, share design & wireframes to ensure the whole QA team is on the same page. Then, describe how and when the testing will take place.

The designs should be ready at this point, so this stage is just a matter of keeping everyone aligned—and acknowledging what needs to be done.



Please go through the different designs and notes on documents for a reminder of how this feature works.

The testing will occur in 4 stages:

1. Staging environment: set up by João M., this environment should closely mirror production. Create a snapshot of the production database.
2. Training: UAT testers will be trained by Ricardo Pereira. We're holding UAT meetings in the first few weeks of February.
3. UAT execution: create test cases and have our testers/reporters report on said test cases.
4. Reporting: full data analysis, bug triage, and meeting on what remains to be done.

Deadline for design & testing process: ..., 2023.

3.2. UAT Execution

Describe how and when UAT execution will take place—from onboarding to having testers report on test cases.

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Example:

Execution will take 1 afternoon. During these, we need to ensure every user books at least 10 user accounts, and explores the login feature as much as possible.

Steps:

- 1) Onboarding. Onboard each user individually, help them set up on staging, and explain what we expect of them (briefly touched on during training as well).
- 2) Test case execution. Each user will be given specific test cases, and report bugs and feedback via 1221514@isep.ipp.pt.
- 3) Once done, record quick meeting with the accountant to get feedback on the experience we can come back to during QA meeting.

Deadline for UAT execution: Feb 19, 2023.

3.3. Reporting & data analysis

Full analysis of individual test cases—understand what testers struggled with, what the general feedback is, and areas of improvement.

Deadline for reporting & data analysis: ..., 2023.

4. Environmental requirements

4.1. Hardware requirements

Some software (design, video editing...) can be demanding on hardware specifications.

If that is the case, outline the minimal and recommended requirements so the QA team can verify that the software runs on the testers' machines.

The Feira&Office stock management application has minimum and recommended hardware requirements. These specifications are crucial to ensure that the software works properly on the testers' machines. Below is a generic example:

- Processor: 1.8GHz processor or higher. A quad-core or more powerful processor is recommended to optimize performance.
- RAM: Minimum 2 GB; 8 GB is recommended to ensure smooth operation.
- Hard Disk Space: Requires a minimum of 800 MB, depending on the features installed in the application.
- Hard Disk Speed: To improve performance, it is advisable to install the application on a solid state drive (SSD).
- Video Card: Must support a minimum screen resolution of 720p to ensure an adequate visual experience.

4.2. Software requirements

Make sure that the software environment is properly configured for the application. If necessary, indicate any additional software or dependencies that need to be downloaded and installed.

5. Features to be tested per Sprint

This section is more important than it seems—it is crucial that both the QA team and the testers know what features must be tested, especially if you're testing a lot at once.

Without this, it's too easy to get sidetracked, and lose time or valuable data from your testers.

5.1. Tests to identify whether validation has been successful

5.1.1. Pass/fail criteria

Pass: When you log in, you will see if that user exists and see if the password matches the one in the database and the application will open with your account privileges.

Fail: When logging in it will give an error when logging in or even assigning the privileges of that same account

5.1.2. Test cases

- 1) open the application
- 2) enter your username and password
- 3) then click on the login button
- 4) finally the application will open with the account privileges