

# Technical task QA Engineer V2

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## Index

<b>Index.....</b>	<b>1</b>
Introduction.....	2
Assumptions.....	2
Exploratory testing.....	2
My suggestions.....	2
<b>Vacation mode Test Plan.....</b>	<b>3</b>
<b>Test Strategy.....</b>	<b>5</b>
<b>Validation and tests.....</b>	<b>7</b>
<b>Test case details.....</b>	<b>9</b>
<b>Bugs reported.....</b>	<b>10</b>

## Introduction

Among the suggested features, I selected “Vacation Mode.” The motivation behind my decision is that this is a new feature available to Wallapop users, and I know that other platforms similar to Wallapop already have a similar feature, so I wanted to know how Wallapop developed it and what features it has. Also, we are in the holiday season, so I think it could be a useful feature to test.

## Assumptions

I assume that this feature consumes APIs from the backend to perform the functionalities and validations. Later on, in the requirements section of the test plan document, I indicate which ones have been detected.

## Exploratory testing

I began doing a exploratory testing:

- Accessing the *Setting* > “*Vacation mode*” option menu
- After enabling the functionality:
  - I did the happy path selecting the end date in the future and confirming it
  - I have tried to select a date before today's date
  - I have selected a correct date and I have validated that the items could not be purchased

- I have validated that there is a “chat” button instead of the “purchase” button
  - I have validated the popup messages for the user are correct
  - I have validated the chat was still working
  - I have changed the date using “cambiar” button and it worked correctly
- After disabling the functionality:
  - I have validated the pop messages for the user
  - I have validated that the products can be purchased
- During the exploratory testing I found a scenario that does not meet the requirements, so I have created a bug. As a summary, if a user has the item page opened and the seller user activates the vacation mode, the buyer user is able to purchase the item if the page is not updated and the session is still active.  
**Note:** For more detail see the **Requirements** and **Bugs reported** section.

## My suggestions

As an improvement in functionality, it could be useful to be able to set the vacation period in the future, so that users can choose the start and end dates during which they will be on vacation. This feature would prevent users from forgetting to start the vacation mode.

Another improvement could be to incorporate a validation feature in the backend that prevents purchases from being made during the vacation period, thus avoiding the bug that was detected.

## Vacation mode Test Plan

Project	Technical task QA Engineer V2
Author	Martín Cesarini Bozzo
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### Introduction

Wallapop was developing the “Vacation Mode” feature. The main objective is to provide users who sell items with the option to set a period during which buyers cannot purchase items while they are on vacation.

The test plan was written with a mid/long-term vision in mind. The scope is to validate the end to end functionalities and the automation of the main functionalities in this phase.

### Requirements and coverage

Here you can find the minimum requirements.

## Non-functional

### Operating System

Requirement	Coverage	Comment
It should support <b>Windows 10 64-bit</b>	✓	
It should support <b>mac OS Monterey</b>	✓	
It should support <b>Linux Ubuntu 22.04</b>	✓	

### Web browsers

Requirement	Coverage	Comment
It should support <b>Chrome v.138.0.7204.158</b>	✓	
It should support <b>Safari v.17.1</b>	✓	
It should support <b>Firefox v.128.13.0esr</b>	✓	
It should support <b>Edge v.138.0.3351.121</b>	✓	

## Functional

Requirement	Coverage	Comment
It should be accessible from the Settings menu.	✓	Setting menu > Vacation mode
It should be able to set up a period.	✓	A calendar will pop up
It should not be possible to select a day before today's date.	✓	
It should disable the items during the period selected until 23:59hs	✓	The items should be visible but not be purchasable
Items should be able to be purchased at 00:00 after the period ends.	✓	
It should still receive messages after activation.	✓	
It should be possible to set up the start and end date	✗	The start date is today's date. Only the end date can be set.
Backend should control the functionality by	✓	Implemented methods GET,

APIs: api/vacation/item/purchase/enable/{user} api/vacation/item/purchase/disable/{user} api/vacation/period/enable/{user} api/vacation/period/disable/{user} api/items/{user}		POST and PUT as necessary.
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## Test environment

### Hardware: Tester laptop

Model	Macbook air (13", 2015)
OS and version	macOS Monterey 12.7.1
Memory	8GB
CPU	Intel Core i5 1.6GHz
GPU	Intel HD Graphics 6000
Web browsers	Chrome v.138.0.7204.158 Safari v.17.1 Firefox v.128.13.0esr

## Software under test

### In-scope

- Web desktop [es.beta.wallapop.com](https://es.beta.wallapop.com)
- "Vacation mode" functionality

### Out-of-scope

- Load/performance testing
- Mobile testing
- Other functionalities

## Test Strategy

I will include only the most important tests including that I consider to be P0 (highest priority) and they should all pass before QA can give the green light for a release to be made public. All critical and major bugs found in the process should be validated as fixed and, if necessary, tests be re-run before a release is QA approved.

The idea is to have in the initial phase, a minimal test set that can be automated and executed fairly fast. For that reason only the P0 test cases will be included. It should be able to detect regressions and tell at a glance, if the vacation mode is healthy. These test cases also will be part of the smoke test set. Later, in subsequent phases, the backend test cases can be automated.

## Type of tests

The following types of tests will be applied:

- Functional tests: Validate that the active vacation period behaves according to requirements.
- Regression tests: Ensure that the vacation mode functionality does not impact other parts of the application (e.g., normal purchase flow).
- User interface validation tests: Verify that the date selection component works correctly in different web browsers.
- Negative tests: Test for incorrect behavior trying to select invalid dates.
- Security tests: Evaluate that the purchase restriction cannot be circumvented by manipulating the frontend.
- Automated tests: The priority test cases will be automated on the frontend and backend.

## Test Case Design Techniques

The techniques selected for the test case designs are:

### Equivalence Partitioning

Divide a set of input values into valid and invalid classes. In this case, it is useful for determining the dates that the user can select in the calendar.

- Today (can be selected)
- Today + 1 (can be selected)
- Today - 1 (cannot be selected)

### Boundary Values

It focuses on validating extreme limits. In this case, it applies to the change of day and time limits between which items will be available for purchase or not.

Sample period: 01/08/2025 to 15/08/2015

- 15/08/2025 23:59 (purchase button disable)
- 16/08/2025 00:00 (purchase button enabled)

### Decision Table

To represent combinations of conditions and their expected results. In this case, it is used to indicate whether or not an item is available for purchase.

Sample period: 01/08/2025 to 15/08/2015

Current date	Current date inside period?	Allow purchase?
01/08/2025	Yes	✗ No
15/08/2025	Yes	✗ No
16/08/2025	No	✓ Yes

## Acceptance Criteria

- The system must prevent purchases during the active period across all entry channels (UI, APIs, external apps).
- Behavior must be consistent across all browsers and devices.
- Messaging between users still active.
- Messages to the user must be clear and non-technical.

## Data set

Seller user: [tinmgc@outlook.com](mailto:tinmgc@outlook.com) (Password is the same as [qa.test@wallapop.com](mailto:qa.test@wallapop.com))

- Items published:
  - [Xbox Series X](#)
  - [Playstation 5 pro](#)
  - [Gibson Les paul](#)

Buyer user: [qa.test@wallapop.com](mailto:qa.test@wallapop.com)

## Validation and tests

### Test case groups

#### Vacation mode frontend

This group will cover the end to end scenarios.

#### Vacation mode backend

This group will be responsible for validating the functioning of the APIs and checking that the requirements are met.

#### Vacation mode automation and smoke

These groups will include the P0 (highest priority) test cases, these ones cover the main functionality.

## Test plans

TP-01 - Vacation mode

## Prerequisites

PR-01 - Have an active Wallapop user account

PR-02 - Have an item published

## Test set

TS-01 - Vacation mode frontend

TS-02 - Vacation mode backend

TS-03 - Vacation mode automation

TS-04 - Vacation mode smoke

## Test cases

### Frontend

Id	Name	Priority
TC-01	Validate that the vacation mode page loads correctly	P1
TC-02	Validate that the vacation mode can be activated correctly	P0
TC-03	Validate that the vacation period can be changed by the user	P1
TC-04	Validate that the vacation mode can be deactivated by the user	P0
TC-05	Validate that the vacation mode is deactivated when the period ends	P0
TC-06	Validate that the date picker component works correctly	P1
TC-07	Validate that cannot be selected a end date earlier than today's date	P1
TC-08	Validate that the items cannot be purchased during the vacation period	P0
TC-09	Validate that messages continue to work during the vacation period	P1
TC-10	Validate that the frontend cannot be manipulated	P1

### Backend

Id	Name	Priority
TC-11	Validate the backend API set the vacation period correctly	P1

TC-12	Validate the backend API disable the possibility of purchasing user items when vacation mode is activated	P1
TC-13	Validate the backend API enable the possibility of purchasing items at 00:00 after the vacation period has finished	P1
TC-14	Validate the backend API enable the possibility of purchasing items manually by the user	P1
TC-15	Validate the backend API disable the vacation mode at 00:00 after the period is finished	P1
TC-16	Validate error messages from backend	P1

## Test execution

EX-01 - Test execution for frontend in Chrome

EX-02 - Test execution for frontend in Safari

EX-03 - Test execution for frontend in Firefox

EX-04 - Test execution for frontend in Edge

EX-05 - Test execution for backend

EX-06 - Test execution for smoke tests

EX-07 - Test execution for automated tests

## Bugs

BG-01 - Open items can be purchased after activating vacation mode

## Automations

The github repository is: <https://github.com/tinmgc/wallapop>

TC-02 - Validate that the vacation mode can be activated correctly

TC-08 - Validate that the items cannot be purchased during the vacation period

## Test case details

TC-02		Validate that the vacation mode can be activated correctly	
Description			
The objective of this test case is to validate if the vacation mode can be activated correctly as a user.			
Preconditions		PR-01 Have a wallapop user account	
Step	Action	Data	Expected result



1	Open in a web browser the Wallapop page	<a href="https://es.beta.wallapop.com">https://es.beta.wallapop.com</a>	The page loads correctly
2	Click on “Regístrate o inicia sesión” button		The “Regístrate o inicia sesión” page loads correctly
3	Click on “iniciar sesion” link		The login page with the title “¡Te damos la bienvenida!” loads correctly
4	Enter the user name and password and click on Login button	qa.test@wallapop.com / 12345678	The “/wall” page loads correctly
	Click on the “tu” button on the upper right corner		The product page loads correctly with a settings bar menu on the left side.
	Click on the “Modo vacaciones” (vacation mode) button		The “Modo vacaciones” page loads correctly containing: <ul style="list-style-type: none"> <li>• A switch button</li> <li>• “No se podrán comprar tus productos”</li> <li>• “Tus productos seguirán siendo visibles”</li> <li>• “Seguirás recibiendo mensajes”</li> </ul>
	Click on the switch button		A calendar component pops up showing the current month with navigation and two selectors, one for the month and other for the year. Dates prior to today are disabled.
	Select a date	31/12/2025	The date number is colored in green and the “Confirmar” button is enabled.
	Click on the “Confirmar” button		The page show: <ul style="list-style-type: none"> <li>• The switch active</li> <li>• The message “Finaliza el miércoles, 31 diciembre 2025”</li> <li>• Link button “Cambiar”</li> </ul>

## Bugs reported

<b>BG-01</b>	<b>Open items can be purchased after activating vacation mode</b>		
<b>Severity</b>	Major	<b>Reported by</b>	Martin Cesarini

### Short description

If a user has an item page open before vacation mode is activated, when vacation mode is activated, the item will still be available for purchase.

### Test environment/setup

- Operating System and version: *macOS Monterey 12.7.1*
- Hardware: Intel Core i5 1.6GHz / 8GB
- Web browser:
  - Chrome v.138.0.7204.158
  - Safari v.17.1
- Users:
  - Seller: tinmgc@outlook.com
  - Buyer: qa.test@wallapop.com

### Software under test

- es.beta.wallapop.com
  - Vacation mode functionality

### Preconditions

1. PR-02 - Have an item published

### Steps to reproduce

1. As a buyer user: Open an item published by the seller user
2. As a seller user: Go to Settings > Vacation mode
3. Switch on the Vacation mode
4. Select a date and click on "Confirm" button

### Expected results

All the items published by the seller cannot be purchased.

## Actual results

Items published by the seller user can be purchased, if the item page was opened before activating vacation mode.

The seller user has received the email with the notification that one item has been sold.

## Logs/Screenshots/other files

