

# TEST PLAN

agoda.com

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## Revision and Signoff Sheet

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## Approvers List

Name	Role	Approver / Reviewer	Approval / Review Date

## Reference Documents

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# 1. INTRODUCTION

## 1.1 Purpose

This test plan describes the testing approach and overall framework that will drive the testing of the agoda.com site. The document introduces:

**Test Strategy:** rules the test will be based on, including the givens of the project (e.g.: start/end dates, objectives, assumptions); description of the process to set up a valid test (e.g.: entry/exit criteria, creation of test cases, specific tasks to perform, scheduling, data strategy).

**Execution Strategy:** describes how the test will be performed and process to identify and report defects, and to fix and implement fixes.

**Test Management:** process to handle the logistics of the test and all the events that come up during execution (e.g.: communications, escalation procedures, risk and mitigation, team roster).

## 1.2. Project Overview

The agoda.com is a platform that empowers you to discover

Agoda.com is a platform that allows you to search, book, rent, and browse various services provided by the company.

Namely:

- country search, city search, hotel search, and reviews (“Hotels & Homes”);
- housing reservation (“Apartments”);
- air and air-related transport services (“Flights”);
- car rental;
- coupons and discounts;
- other amenities are related to tourism, of which there are quite a few on this site;

## 1.3.Audience

- Project team members perform tasks specified in this document, and provide input and recommendations on this document.
- The project manager plans for the testing activities in the overall project schedule reviews the document, tracks the performance of the test according to the task herein specified, approves the document, and is accountable for the results.
- The stakeholders’ representatives and participants (individuals as identified by the PMO Leads) may take part in the UAT test to ensure the business is aligned with the results of the test.

- Technical Team ensures that the test plan and deliverables are in line with the design, provides the environment for testing, and follows the procedures related to the fixes of defects.
- Business analysts will provide their input on functional changes.

## **2. TEST STRATEGY**

### **2.1. Test Objectives**

1. Registration
2. Login
3. Search for Hotels&Homes
  - a. Search list
  - b. Hotel details
  - c. Payment form
4. Search Flights
  - a. Search list
  - b. Flights details
  - c. Payment form
5. Airport transfer
6. Coupons and Deals.
7. Search for apartments
  - a. Search list
  - b. Apartments detail
  - c. Payment form
8. Car rentals

### **2.2. Test Assumptions**

#### **Key Assumptions**

- Production-like data required and be available in the system prior to the start of Functional Testing
- In each testing phase, Cycle 3 will be initiated if the defect rate is high in Cycle 2.

#### **General**

- Exploratory Testing will be carried out once the build is ready for testing
- Performance testing is not considered for this estimation.
- All the defects would come along with a snapshot JPEG format
- The Test Team will be provided with access to the Test environment via VPN connectivity
- The Test Team assumes all necessary inputs required during Test design and execution will be supported by Development/BUSINESS ANALYSTs appropriately.
- Test case design activities will be performed by the QA Group

- Test environment and preparation activities will be owned by the Dev Team
- The Dev team will provide Defect fix plans based on the Defect meetings during each cycle plan. The same will be informed to the Test team prior to starting of Defect fix cycles
- BUSINESS ANALYST will review and sign off all Test cases prepared by the Test Team prior to the start of Test execution
- The defects will be tracked through Jira Software only. Any defect fixes planned will be shared with Test Team prior to applying the fixes on the Test environment
- Project Manager/BUSINESS ANALYST will review and sign off all test deliverables
- The project will provide test planning, test design, and test execution support
- The test team will manage the testing effort with close coordination with the Project PM/BUSINESS ANALYST
- The project team has the knowledge and experience necessary or has received adequate training in the system, the project, and the testing processes.
- There is no environment downtime during the test due to outages or defect fixes.
- The system will be treated as a black box; if the information shows correctly online and in the reports, it will be assumed that the database is working properly.
- Cycle 3 will be initiated if there are more defects in Cycle 2.

### **Functional Testing**

- During Functional testing, the testing team will use preloaded data which is available on the system at the time of execution
- The Test Team will perform Functional testing only on <https://www.agoda.com>

### **UAT**

- UAT test execution will be performed by end users (L1, L2, and L3) and the QA Group will provide their support in creating the UAT script.

### **2.3. Test Principles**

- Testing will be focused on meeting the business objectives, cost efficiency, and quality.
- There will be common, consistent procedures for all teams supporting testing activities.

- Testing processes will be well-defined, yet flexible, with the ability to change as needed.
- Testing activities will build upon previous stages to avoid redundancy or duplication of effort.
- The testing environment and data will emulate a production environment as much as possible.
- Testing will be a repeatable, quantifiable, and measurable activity.
- Testing will be divided into distinct phases, each with clearly defined objectives and goals.
- There will be entrance and exit criteria.

## 2.4. Scope and Levels of Testing

### 2.4.1. Exploratory

**PURPOSE:** the purpose of this test is to make sure critical defects are removed before the next levels of testing can start.

**SCOPE:** First-level navigation, dealer, and admin modules

**TESTERS:** Testing team.

**METHOD:** This exploratory testing is carried out in the application without any test scripts and documentation

**TIMING:** at the beginning of each cycle.

### 2.4.2. Functional Test

**PURPOSE:** Functional testing will be performed to check the functions of the application. Functional testing is carried out by feeding the input and validating the output from the application.

**SCOPE:** Details of Functional testing in testomat.io.

**TESTERS:** Testing Team.

**METHOD:** The test will be performed according to checklists, test cases, and bug reports, which are stored in testomat.io.

**TIMING:** After the Exploratory test is completed.

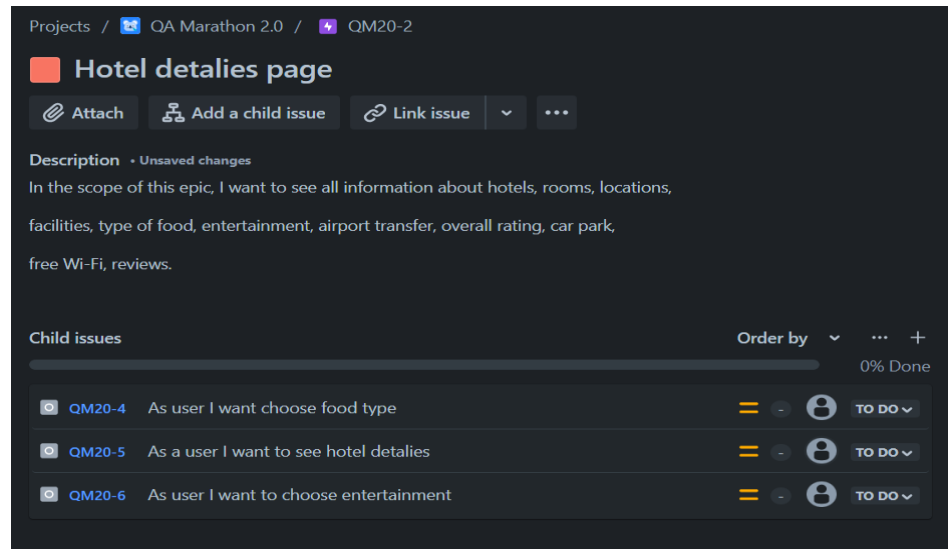
**TEST DESIGN:** Prepare Checklists, Test Cases and Mind maps for the testing of the user's stories. Using positive and negative scenarios. Using technique test design - equivalence partitioning and boundary values. Using UI/UX testing, smoke testing, and regression testing.

### TEST ACCEPTANCE CRITERIA

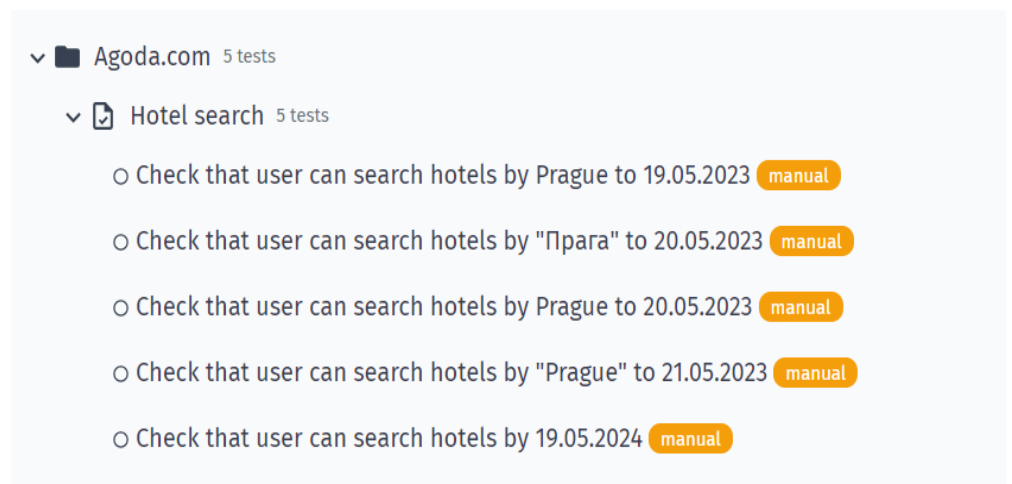
1. Approved Functional Specification document, Use case documents must be available prior to the start of the Test design phase.
2. Test cases approved and signed off prior to the start of Test execution

3. Development completed, unit tested with pass status, and results shared with the Testing team to avoid duplicate defects
4. Test environment with the application installed, configured, and ready-to-use state

#### User Story example:



#### Checklist example:






Test Case Example:


DESCRIPTION

<>


CODE TEMPLATE



ATTACHMENTS



RUNS



HISTORY

Requirements

Steps

1. Open the main page <https://www.agoda.com/>;

2. Input in text box "search" - "Prague";

3. Choose the day from 19.05.2024 in date form;  
Choose the day to 31.05.2024 in date form;  
Choose room - 9;  
Choose adult - 36;  
Choose children - 9;  
Choose age of all children "8"  
Press the button "Search";

Status:

Passed

Bug report Example:

The screenshot shows a Jira issue titled "Links are not correct in the end of the main page". The issue has a status of "In Progress" and is assigned to Mariana Zaloha. The description includes three reproduction steps:

- Open the page <https://www.agoda.com/>;
- Scroll to the end of the page;
- Press the link iOS app or Android app;

**Actual Result:**

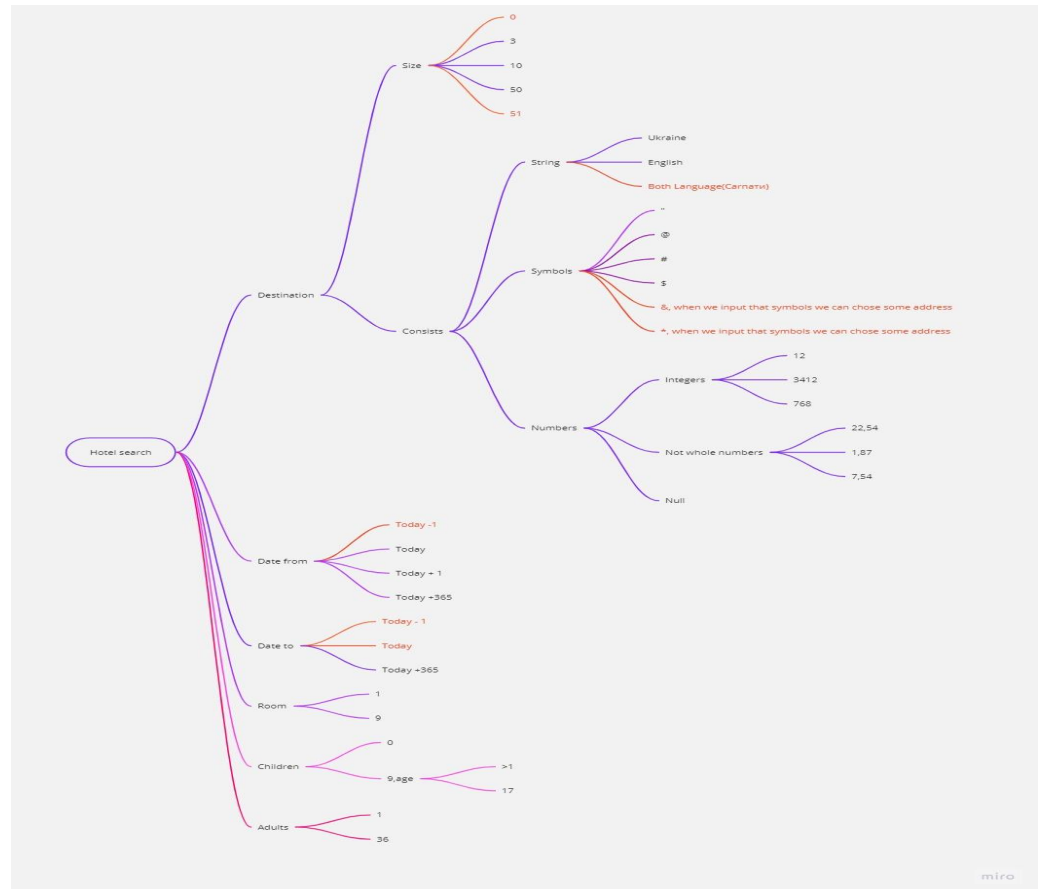
The page is not opened.

**Expected Result:**

Correct link.

A comment from user MZ says: "Add a comment..."

### Mind map Example:



### MILESTONE LIST

The milestone list is tentative and may change due to the below reasons

- a) Any issues in the System environment readiness
- b) Any change in scope/addition in scope
- c) Any other dependency that impacts efforts and timelines

#### 2.4.3. User Acceptance Test (UAT)

**PURPOSE:** this test focuses on validating the business logic. It allows the end users to complete one final review of the system prior to deployment.

**TESTERS:** the UAT is performed by the end users (L1, L2, and L3).

**METHOD:** Since the business users are the most indicated to provide input around business needs and how the system adapts to them, it may happen that the users do some validation not contained in the scripts. The test team writes the UAT test cases based on the inputs from the End user (L1, L2, and L3 users) and Business Analysts.

**TIMING:** After all other levels of testing (Exploratory and Functional) are done. Only after this test is completed the product can be released to production.

#### 2.4.4. Resources:

QA1 - Hotel search / Hotels & Homes  
QA2 - Hotel details and reservation/ Apartments  
QA3 - Car rentals

#### 2.4.5. Stages of Testing

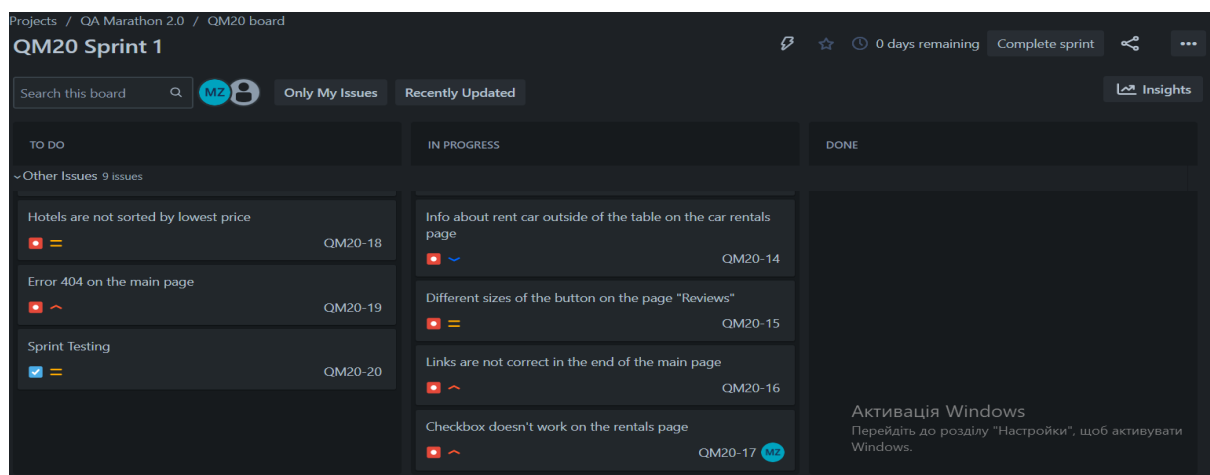
1. Functional/Non-functional testing performed during the Sprint.
2. Smoke Testing.
3. Regression Testing.

#### 2.4.6. Test Environments:

- QA
- Staging
- Pre-prod
- Prod

## 3. TEST EXECUTION

We start execution when the User story is moved to the In Testing column



## Link Test cases with User Stories (link testomat.io and JIRA)

The screenshot shows the Testomat.io interface with the 'Tests' tab selected. A table lists 8 test cases, each with a unique ID, title, type (manual), status (pass/fail), and priority (normal). The right sidebar shows the 'Details' panel for the selected test case, including fields for Assignee (Unassigned), Reporter (Mariana Zaloha), Labels (None), Sprint (QM20 Sprint 1), and Priority (Medium).

Id	Title	Type	Status	Priority	Actions
74278c31	Check a window with a photo slider	manual	pass	normal	
7ed7efaf	Check all entertainment in the hotel	manual	pass	normal	
94e44fde	Check facilities @regression @smoke	manual	pass	normal	
1c3338ae	Check information about hotel on the	manual	pass	normal	
e4cce319	Check see nearby places @regression	manual	pass	normal	
eec49273	Check to choose king bed @smoke @	manual	pass	normal	
b03e4bbb	Check to choose kitchen @regression	manual	pass	normal	
912b7d11	Check to read review about hotel @n	manual	pass	normal	

The screenshot shows the Testomat.io interface with the 'Runs' tab selected. A table lists 1 test run, 'QM20-8 Test Execution', with a status of 'pass' and a date of 'May 21, 2023, 0...'. The right sidebar shows the 'Details' panel for the selected test run, including fields for Assignee (Unassigned), Reporter (Mariana Zaloha), Labels (None), Sprint (QM20 Sprint 1), and Priority (Medium).

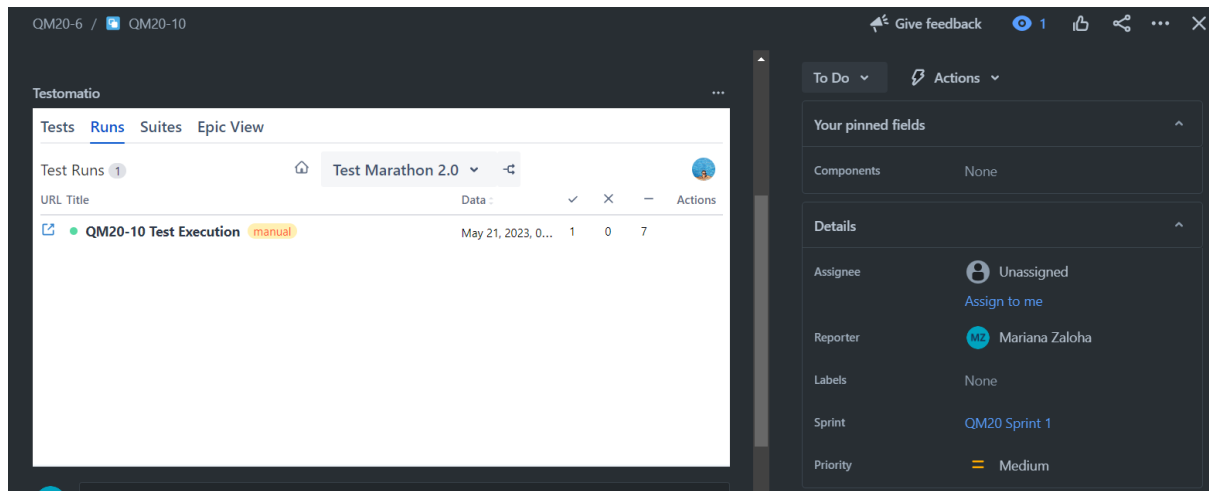
URL	Title	Data	✓	✗	—	Actions
	QM20-8 Test Execution	May 21, 2023, 0...	6	0	2	

## Create Test Plan in testomat.io

The screenshot shows the Testomat.io interface with the 'Plans' tab selected. A table lists 3 plans, including 'Sprint Testing Run Bugs', 'Sprint Test Run Bugs', and 'Sprint Test Run'. The right sidebar shows the 'Details' panel for the selected plan, including fields for Assignee (Unassigned), Reporter (Mariana Zaloha), Labels (None), Sprint (QM20 Sprint 1), and Priority (Medium).

Plan	Type	Status	Actions
Sprint Testing Run Bugs	manual		
Sprint Test Run Bugs	manual		
Sprint Test Run	8 tests		

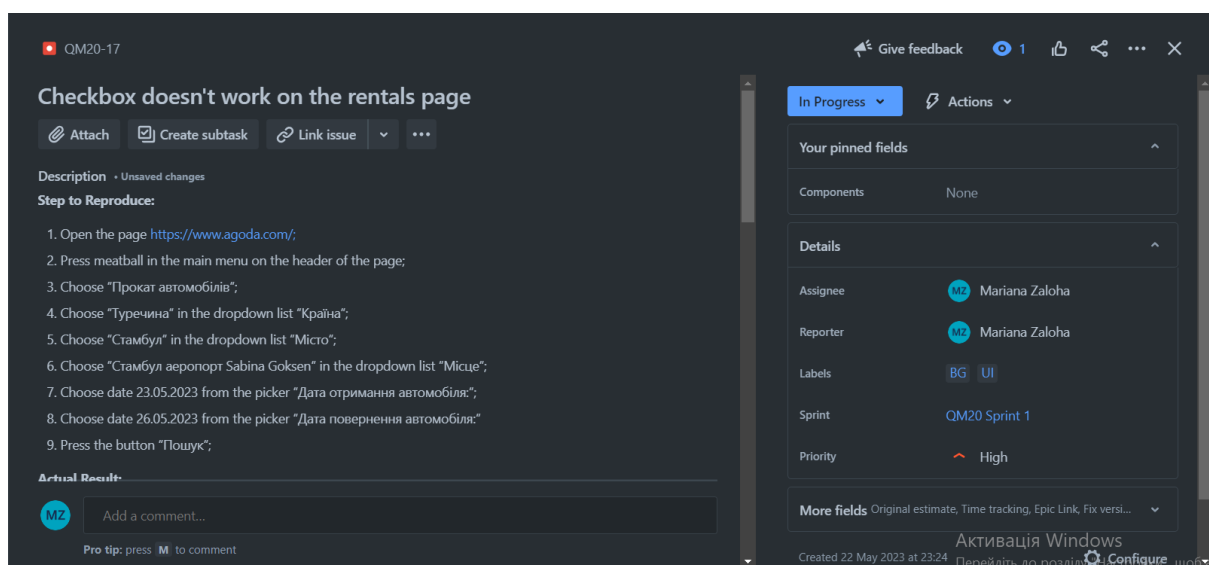
## Create Test Run (in the testomat.io or JIRA)

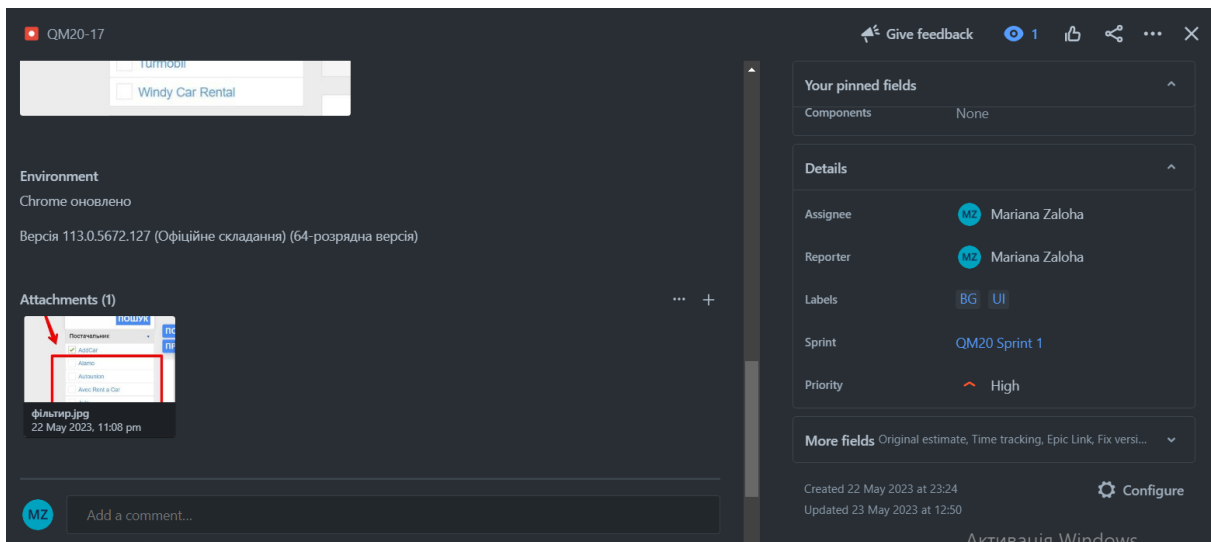
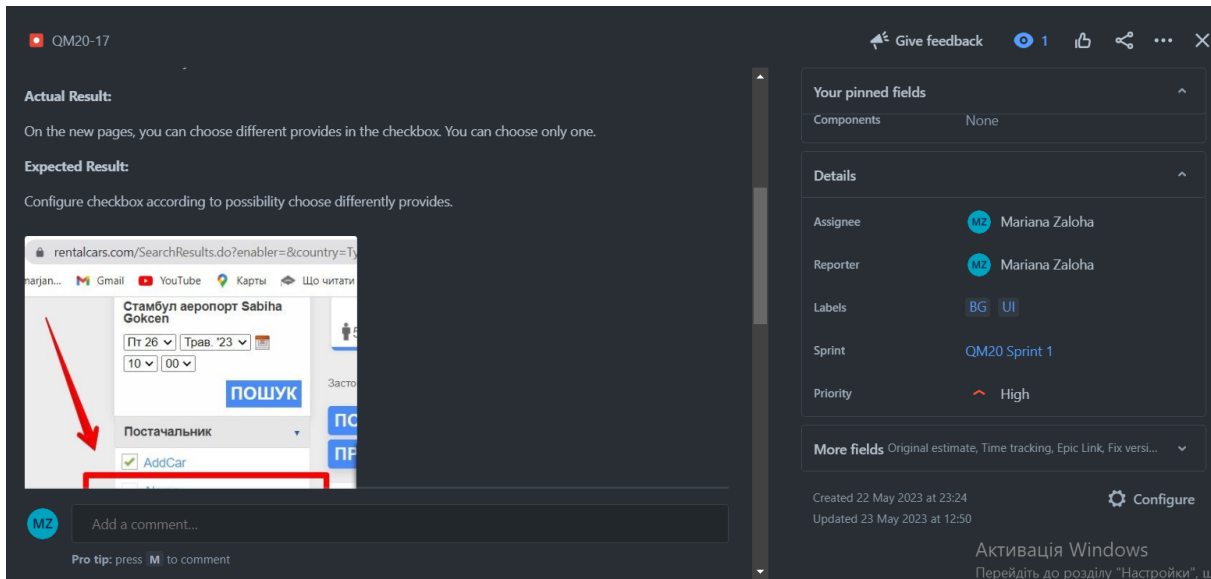


## 4. CREATE BUG REPORT

The bug report should contain the following information:

1. Summary
2. Steps to reproduce
3. Actual result
4. Expected result
5. Attachment (snapshot, video, logs)
6. Link to the Test Case
7. Label
8. Priority





## 5. TOOLS

- Mind Map (miro.com)
- Testomat.io
- Postman
- SQLite
- Python
- Node.js
- Android Studio
- XCode
- ChromeDevtools
- Exploratory Testing Chrome Extension
- Certificates and Licenses

## 6.TEST ENVIRONMENT

- **OS systems**  
Windows  
MacOS
- **Mobile**  
iOS  
Android
- **Devices**  
Models  
Resolution  
OS
- **Browsers**  
Chrome  
Safari  
Opera

## 7. TESTING STRATEGY

### Testing Strategy

System Object and actions	Priority	Strategy	Test Analysis		Test Execution		Date of the last testing	Non-functional testing				
			Readiness	Link	Readiness	Link		Usability	Performance	Load	Rule	Environment
Search form for Hotels&Homes	P1	This is one of the most important objects on the site, with the help of which the user can choose a place of rest, a hotel, a period of rest and the number of people. Created the Checklists and Test Cases with descriptions and expected results and we will use equivalent classes and determine the boundary values. The positive and negative scenarios.	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023	0%	0%	0%	0%	0%
Create	P1	Covered by checklists, test cases, use the pairwise test design technique	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023					
Edit	P1	covered by checklists, use the test design techniques: equivalence partitioning, boundary values	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023					
Search list	P1	Use the exploratory testing	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023	0%	0%	0%	0%	0%
Sort the search list	P2	Use the exploratory testing	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023					
Filter the search list	P2	Use the exploratory testing	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023					
Hotel details	P2	Use the exploratory testing	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023	0%	0%	0%	0%	0%
Review	P2	Use the exploratory testing	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023					
Entertainment	P4	Use the exploratory testing	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023					
Choose king bed	P4	Use the exploratory testing	100%	<a href="#">Link</a>	100%	<a href="#">Link</a>	05/19/2023					
Car rentals	P2	Created the Checklists and Test Cases with description and expected result. The positive and negative scenarios.	100%	<a href="#">Link</a>	100%		05/19/2023	0%	0%	0%	0%	0%
Search list	P2	Use the exploratory testing, checklist, bug report, test cases	50%	<a href="#">Link</a>	50%	<a href="#">Link</a>	05/19/2023					
Book	P1	Use the exploratory testing, Can check using databases, api	0%		0%		06/25/2023					
Total			88%		88%							

## 8. APPROVALS

The Names and Titles of all persons who must approve this plan.

Signature:	
Name:	
Role:	
Date:	