

TEST PLAN

agoda.com

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Approvers List

Name	Role	Approver / Reviewer	Approval / Review Date

Reference Documents

Version	Date	Document Name

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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, search, book and pay for various products and services which are supplied, offered and/or operated by third parties (“Travel Suppliers”), which may include, without limitation:

- lodging and temporary accommodation, including but not necessarily limited to hotels, hostels, serviced apartments, bed-and-breakfasts, rooms for rent, cottages and ryokans (“Accommodations”);
- air and air-related transport services (“Flights”);
- activities and other experiences (“Activities”);
- rental cars;
- any combination of the above (“Travel Packages”), (each a “Travel Product”), through a convenient portal (individually and collectively known as our “Services”). May access Services through website (“Website”) and mobile application (“App”), collectively known as “Platform”.

1.3. Audience

- Project team members perform tasks specified in this document, and provide input and recommendations on this document.
- 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 inputs 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 for appartments
 - a. Search list
 - b. Appartments details
 - c. Payment form
5. Search Flights
 - a. Search list
 - b. Flights details
 - c. Payment form
6. Airport transfer
7. Car rentals
8. Coupons and Propositions.

2.2. Test Assumptions

Key Assumptions

- Production like data required and be available in the system prior to 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 would 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 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 QA Group.
- Test environment and preparation activities will be owned by Dev Team.
- Dev team will provide Defect fix plans based on the Defect meetings during each cycle to plan. The same will be informed to Test team prior to start of Defect fix cycles.
- BUSINESS ANALYST will review and sign-off all Test cases prepared by Test Team prior to 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.
- Test team will manage the testing effort with close coordination with Project PM/BUSINESS ANALYST.
- 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 test due to outages or defect fixes.

Functional Testing

During Functional testing, testing team will use preloaded data which is available on the system at the time of execution.

UAT

UAT test execution will be performed by end users (L1, L2 and L3) and QA Group will provide their support on creating 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.
- 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: Exploratory Testing Chrome Extension or spreadsheets.

TESTERS: Testing team.







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

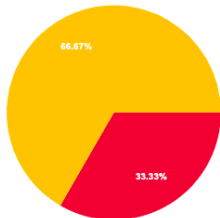
TIMING: At the beginning of each Sprint. We should make test estimation before each Sprint to understand approximately time to be spend on testing.

@dropdown		
Areas:		
Register on Web		
Login on Web		
Test Environment URL:	y8.com	
Start:	05.03.2022 12:00	
Tester:	Silayev Dmytro	
Duration:	50 min	
Testing Notes:		
Notes	Result (Pass/Fail)	
Register Form localization testing (language)	Fail	bug #1
Registration Form filling out (valid inputs)	Pass	
Check link to Terms page	Pass	
Check Terms page content links	Pass	
Check link to Privacy page	Pass	
Check Privacy page content links	Pass	
Check email confirmation after registration	Fail	bug #2
Log Out check	Pass	
Log In check	Pass	
My profile page check	Pass	
Check the link "VIEW LEADERBOARD" functionality in "My profile"	Fail	bug #3

Exploratory Session Report

Date/Time: 25-05-2023 10:07	<div>- All -</div>
Browser: Chrome 111.0.0.0	
OS: Mac OS X 10_15_7	
Cookies Enabled: true	

Type	Description	URL
 	check the search result by 2 categories	https://www.y8.com/
 	it is impossible to select two search categories at once	https://www.y8.com/popular/games
 	in search result checked 3 items	https://www.y8.com/search?kind=game&category=&tag=&technology=&timeframe=&multiplayer=1



2.4.2. Functional Test

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

SCOPE: Functional testing is covered by checklists. The details about the scope of Functional test in testomat.io.

TESTERS: Testing Team.

METHOD: The test will be performed according to the Test Cases, Checklists, which are stored in testomat.io.

TIMING: After Exploratory test is completed.

TEST DESIGN: Prepare Test Cases, Checklists, and Mind maps for the testing of the users stories. Using positive and negative scenarios. Using technique test design - equivalence partitioning and boundary values.

User Story example

QM-1 / QM-2

As a user I want to see all possible options by the search criteria

Attach Add a child issue Link issue

Description
When we choose search criteria we move to the search results page.

Acceptance Criteria:

1. As a user, I want to see all possible options by the search criteria

All possible to reserve apartments

- a. in the selected city,
- b. on the selected dates.

2. As a user, I want to see the opportunity to sort the search results by distance.
3. As a user, I want to see the opportunity to sort the search results by rating.
4. As a user, I want to see the opportunity to filter the search results by property facilities.

Child Issues Order by 100% Done

QM-7	Test Design	DONE
QM-8	Test Execution	DONE

Pinned fields
Click on the next to a field label to start pinning.

Details

Assignee	Unassigned Assign to me
Labels	None
Reporter	KP Kateryna Pogrebna

Created last week
Updated last week
Resolved last week

Configure

Test Case example

Apartment Search Results page > Test @T7efac5c3 manual

1 Edit

Check the search results from the sort by the higher price first.

DESCRIPTION CODE TEMPLATE ATTACHMENTS RUNS HISTORY

Requirements

Steps

1. Open <https://www.agoda.com/apartments/>
2. Enter a destination
3. Confirm the Date from and Date to
4. Click the button "Search"
5. On the search results click on the sort button "higher price first".

Expected result

The apartments of the selected parameters were successfully found and sort by the higher price first.

Checklist example

○ Check the "Search for apartments" with valid data	m	●	●
○ Check the "Search for apartments" with an empty Destination field	m	●	●
○ Check the "Search for apartments" with one character in the Destination field	m	●	●
○ Check the "Search for apartments" with ten characters in the Destination field	m	●	●
○ Check the "Search for apartments" with fifty characters in the Destination field	m	●	●
○ Check the "Search for apartments" with 357 characters in the Destination field	m	●	●
○ Check the "Search for apartments" with valid data entered in Latin in the Destination field	m	●	●
○ Check the "Search for apartments" with no valid data entered in Latin in the Destination field	m	●	●
○ Check the "Search for apartments" with valid data entered in Cyrillic in the Destination field	m	●	●
○ Check the "Search for apartments" with no valid data entered in Cyrillic in the Destination field	m	●	●
○ Check the "Search for apartments" with valid data entered in Arabian in the Destination field	m	●	●
○ Check the "Search for apartments" with no valid data entered in Arabian in the Destination field	m	●	●
○ Check the "Search for apartments" with valid data entered in Hebrew in the Destination field	m	●	●
○ Check the "Search for apartments" with no valid data entered in Hebrew in the Destination field	m	●	●

Milestone List:

The milestone list is tentative and may change due to 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. Test team write the UAT test cases based on the inputs from End user (L1,L2 and L3 users) and Business Analyst's.

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 - Registration and login

QA2 - Hotel search and reservation/ Apartments

QA3 - Flights search and reservation/ Airport transfer

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.

Projects / QA Marathon

QM board

🔍 KP 👤 Эпик ▾ Label ▾ Type ▾ GROUP BY None ▾ Insights

TO DO 3 ISSUES

The Property facilities filter does not work on the apartment search results page if we select all items from the Property facilities
@regresion
QM-18

Sorting by star rating of the apartment is not possible on the search results page
QM-19

Sprint 3 Testing
QM-20

IN PROGRESS 1 ISSUE

No button to choose to sort by higher price first on the search results page
APARTMENT SEARCH RESULTS PAGE
QM-17

IN TESTING 1 ISSUE

As a user I want to choose to sort search results by rating
APARTMENT SEARCH RESULTS PAGE
QM-5

DONE 4 ISSUES ✓

As a user I want to see all possible options by the search criteria
APARTMENT SEARCH RESULTS PAGE
QM-2 ✓

As a user I want to choose to sort search results by price
APARTMENT SEARCH RESULTS PAGE
QM-3 ✓

As a user I want to choose to sort search results by distance
APARTMENT SEARCH RESULTS PAGE
QM-4 ✓

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

QM-1 / QM-5

Tests Runs Suites Epic View

Select tests to run Run Automated as Manual

- ☒ Check the search results to filter the search results by location rating (manual)
- ☒ Check the search results to filter the search results by guest rating. (manual)
- ☒ Check the search results to filter the search results by star rating. (manual)
- ☒ Check the search results from the sort by the apartment star rating. (manual)

Select all Advanced settings **Create Run** Cancel

To Do Actions

Pinned fields Click on the ⚙ next to a field label to start pinning.

Details

Assignee Unassigned [Assign to me](#)

Labels None

Reporter KP Kateryna Pogrebna

Created 12 hours ago Updated 7 hours ago [Configure](#)

QM-1 / QM-5

Tests Runs Suites Epic View

Linked Tests 4 TestMarathon2.0 KP

Id	Title	Type	Status	Priority	Actions
f6619b6b	Check the search results from the	manual		normal	
2cf01556	Check the search results to filter	manual		normal	
5f18a932	Check the search results to filter	manual		normal	
f51bab49	Check the search results to filter	manual		normal	

To Do Actions

Pinned fields Click on the ⚙ next to a field label to start pinning.

Details

Assignee Unassigned [Assign to me](#)

Create Test Plan in testomat.io

Plans 3 plans Search [Cmd + K]

Manual 3 Automated Mixed Generated

QM-4	3 tests	manual
QM-3	4 tests	manual
QM-2	1 tests	manual

Plan 5b67ed14 manual

QM-2

Tests: 1

Tests (1)

- ☐ Check valid the page search results by the search criteria m

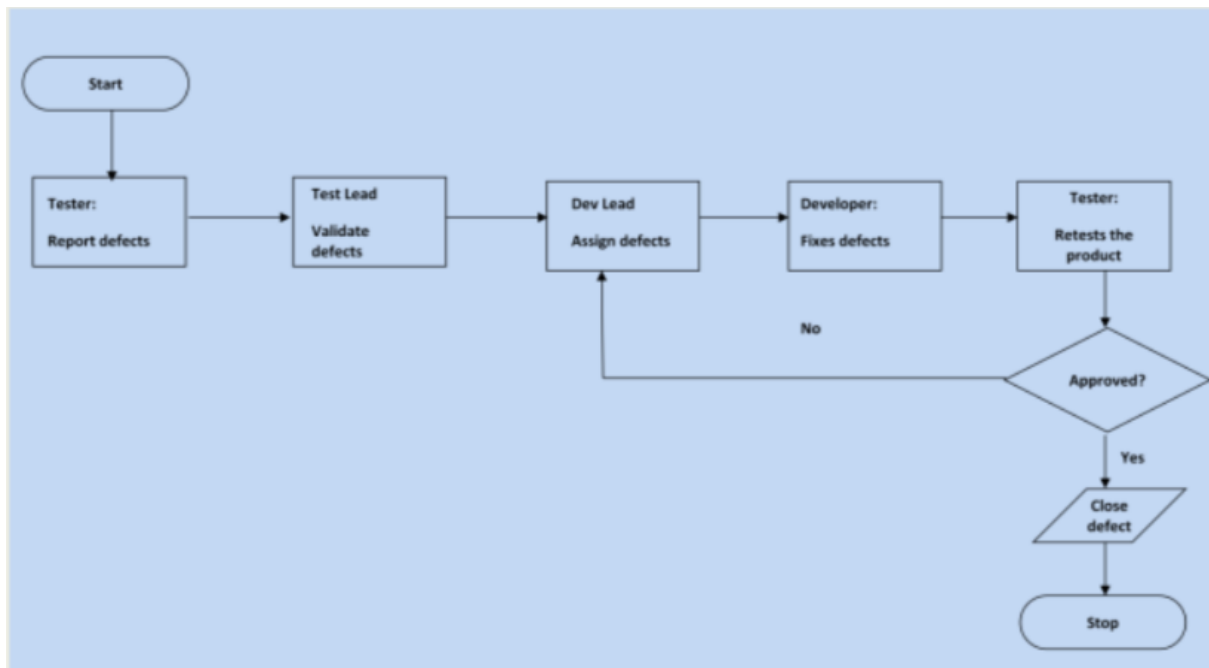
Create Test Run (in the testomat.io or JIRA)

Testomat.io Manual Run interface showing a test run for 'QM-5 As a user I want to choose to sort search results by ra...'. The interface includes a summary section with status 'FAILED', duration '1m 20s', and 4 tests. An overview section shows a bar chart with 3 passed and 1 failed test.

Suite	Title	Actions
Apartment Se...	Check the search results from the sort by distance fr...	✓ ✕ -
Apartment Se...	Check the search results from the sort by distance fr...	✓ ✕ -
Apartment Se...	Check the search results to filter the search results b...	✓ ✕ -

4. DEFECT TRACKING AND REPORTING

Following flowchart depicts Defect Tracking Process:



Defects found during the Testing will be categorized according to the bug-reporting tool (JIRA) and the categories are:

Severity	Impact
1 (Critical)	<ul style="list-style-type: none">▪ This bug is critical enough to crash the system, cause file corruption, or cause potential data loss▪ It causes an abnormal return to the operating system (crash or a system failure message appears).▪ It causes the application to hang and requires re-booting the system.
2 (High)	<ul style="list-style-type: none">▪ It causes a lack of vital program functionality with workaround.
3 (Medium)	<ul style="list-style-type: none">▪ This Bug will degrade the quality of the System. However there is an intelligent workaround for achieving the desired functionality - for example through another screen.▪ This bug prevents other areas of the product from being tested. However other areas can be independently tested.
4 (Low)	<ul style="list-style-type: none">▪ There is an insufficient or unclear error message, which has minimum impact on product use.
5 (Cosmetic)	<ul style="list-style-type: none">▪ There is an insufficient or unclear error message that has no impact on product use.

Create Bug report.

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

Bug report example

Projects / QA Marathon / Add Элик / QM-17

No button to choose to sort by higher price first on the search results page

Attach Add a child issue Link issue

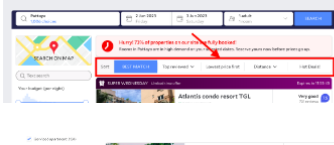
Priority Low

Description

Steps to Reproduce

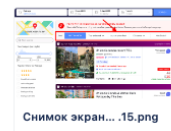
1. Open <https://www.agoda.com/apartments/>
2. Enter a destination
3. Confirm the Date from and Date to
4. Click the button "Search"
5. On the search results click on the sort button "Higher price first".

Actual Result: No button to choose to sort by higher price first on the search results page.



Expected Result: The user should be able to select the sort by higher price first on the search results page.

Attachments (1)



Снимок экран... .15.png

Linked issues

relates to

QM-3	As a user I want to choose to sort search results by price	DONE
QM-10	Test Execution	TO DO

1

In Progress

Actions

Pinned fields

Click on the next to a field label to start pinning.

Details

Assignee Unassigned
Assign to me

Labels None

Reporter KP Kateryna Pogrebna

Created 32 minutes ago

Updated 32 minutes ago

Configure

Click on the next to a field label to start pinning.

Details

Assignee Unassigned
Assign to me

Labels None

Reporter KP Kateryna Pogrebna

Created 32 minutes ago

Updated 32 minutes ago

Configure

5. TEST RISKS AND MITIGATION FACTORS

Risk	Prob.	Impact	Mitigation Plan
SCHEDULE Testing schedule is tight. If the start of the testing is delayed due to design tasks, the test cannot be extended beyond the UAT scheduled start date.	High	High	- The testing team can control the preparation tasks (in advance) and the early communication with involved parties. - Some buffer has been added to the schedule for contingencies, although not as much as best practices advise.
RESOURCES Not enough resources, resources on boarding too late (process takes around 15 days.	Medium	High	Holidays and vacation have been estimated and built into the schedule; deviations from the estimation could derive in delays in the testing.
DEFECTS Defects are found at a late stage of the cycle or at a late cycle; defects discovered late are most likely be due to unclear specifications and are time consuming to resolve.	Medium	High	Defect management plan is in place to ensure prompt communication and fixing of issues.
SCOPE Scope completely defined	Medium	Medium	Scope is well defined but the changes are in the functionality are not yet finalized or keep on changing.
Natural disasters	Low	Medium	Teams and responsibilities have been spread to two different geographic areas. In a catastrophic event in one of the

			areas, there will resources in the other areas needed to continue (although at a slower pace) the testing activities.
Non-availability of Independent Test environment and accessibility	Medium	High	Due to non availability of the environment, the schedule gets impacted and will lead to delayed start of Test execution.
Delayed Testing Due To new Issues	Medium	High	During testing, there is a good chance that some “new” defects may be identified and may become an issue that will take time to resolve. There are defects that can be raised during testing because of unclear document specification. These defects can yield to an issue that will need time to be resolved. If these issues become showstoppers, it will greatly impact on the overall project schedule. If new defects are discovered, the defect management and issue management procedures are in place to immediately provide a resolution.

6. ENTRY AND EXIT CRITERIA

Entry Criteria:

- Test cases and checklists are written and reviewed.
- Test run is created.
- The feature is developed.
- A software product packaged the way customer will get it.

Exit Criteria:

- All scheduled test have been completed.
- All fixed defects have been checked.
- All defects are linked to the user story.
- No open defects with “High” and “Critical” priority.

7. ROLE EXPECTATIONS

The following list defines in general terms the expectations related to the roles directly involved in the management, planning or execution of the test for the project.

	Roles	Name	Contact Info
1	Project Manager		
2	Test Lead		
3	Development Lead		
4	Testing Team		
5	Development Team		

Test Team

- Develop test conditions, test cases, expected results, and execution scripts.
- Perform execution and validation.
- Identify, document and prioritize defects according to the guidance provided by the Test lead.
- Re-test after software modifications have been made according to the schedule.
- Prepare testing metrics and provide regular status.

8. TOOLS:

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

9. TEST ENVIRONMENT

OS systems

- Windows
- MacOS

Mobile

- iOS
- Android

Devices

- Models
- Resolution
- OS

Browsers

- Chrome
- Safari
- Opera

10. TESTING STRATEGY

+ Test 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
Registration	1	The one of main objects on the site for business, to get a base of new users. Created the Checklists and Test Cases. The positive and negative scenarios.	0%		0%		06/01/2023	100%	100%	100%	100%	100%
New user with form	1	Covered by Checklists. Use the Test Design techniques: Equivalence Partitioning, Boundary Values	0%		0%		06/01/2023					
New user with account in Google, Facebook, Apple	2	Use the exploratory testing	0%		0%		06/01/2023					
Login	1	The one of main objects on the site for business, to get an information about users preferences for a marketing company, and about left the cart. Also helps user's with easy booking, history and discounts. Created the Checklists and Test Cases. The positive and negative scenarios.	0%		0%		06/01/2023	0%	0%	0%	0%	0%
with email	1	Decision table to the login functionality testing	0%		0%		06/01/2023					
with mobile	1	Decision table to the login functionality testing	0%		0%		06/01/2023					
with account in Google, Facebook, Apple	2	Use the exploratory testing	0%		0%		06/01/2023					
Forgot password	1	Can check using databases, api	0%		0%		06/01/2023					
Search form for Hotels&Homes/Apartments	1	The one of main objects on the site for users, helps to find information exactly according to the user's request. Created the Checklists and Test Cases with description and expected result. The positive and negative scenarios. Use pairwise test design technique.	100%	Link		Link	05/16/2023	0%	0%	0%	0%	0%
Create	1	Covered by Checklists. Use the Pairwise Test Design technique	100%	Link	100%		05/16/2023					
Edit	1	Covered by Checklists. Use the Test Design techniques: Equivalence Partitioning, Boundary Values	100%	Link	100%		05/16/2023					
Clean	2	Use the exploratory testing	100%	Link	100%	Link	05/16/2023					
Search list	3	Use the exploratory testing and checklist	100%	Link	100%	Link	05/23/2023	0%	0%	0%	0%	0%
Sort the search list	3	Use the exploratory testing	100%	Link	100%		05/23/2023					
Filter the search list	3	Use the exploratory testing	100%	Link	100%	Link	05/23/2023					
Hotel details	2	Use the exploratory testing	0%		0%		06/20/2023	0%	0%	0%	0%	0%
Review	3	Use the exploratory testing	0%		5%		06/20/2023					
Book now	1	Use the exploratory testing, Can check using databases, api	0%		5%		06/20/2023					
Freeze price	2	Use the exploratory testing (to choose), Can check using databases, api	0%		0%		06/20/2023					
Add to cart	2	Use the exploratory testing, Can check using databases, api	0%		0%		06/20/2023					

		The one of main objects on the site. Data input and transmission must be securely protected. Created the Checklists and Test Cases with description and expected result. The positive and negative scenarios. Use test design technique: Pairwise , Equivalence Partitioning, Boundary Values. Can check using databases, api										
Payment	1	api	0%		0%	06/10/2023	0%	0%	0%	0%	0%	0%
with discounts	1	Can check using databases, api	0%		0%	06/10/2023						
with promo-code	1	Can check using databases, api	0%		0%	06/10/2023						
with different method of payment	1	Use the exploratory testing (to choose different payment methods), Can check using databases, api	0%		0%	06/10/2023						
Total			29%		27%							

11. APPROVALS

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

Signature:	
Name:	
Role:	
Date:	