Test Plan Execution Report

Test Project: Tests of the website academybugs.com
Test Plan: Test plan for academybugs.com

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Test plan for academybugs.com

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Introduction:

The purpose of this test plan is to thoroughly test the functionality of the online store based on the provided requirements. The store address is https://academybugs.com/. All encountered defects will be fixed and passed to testers for confirmation testing.

Test Scope:

The test levels covered in this test plan are:

- Unit Testing
- Integration Testing
- Acceptance Testing

Types of tests included in the test plan:

- Functional Tests – the software will be verified against the provided specifications.
- Integration Tests – testing the communication between APIs, e.g., the integrated PayPal module.
- Automated Tests – implementation of automated tests for key system functionalities based on the provided test cases.

Types of tests excluded from the test plan:

- Security Tests – insufficient budget.

Subject of Testing:

The subject of testing is the online store at https://academybugs.com/ along with all its functionalities.

Acceptance Criteria:

1. Performance Tests

- The server response time must not exceed 1000 ms.
- The software must handle 2000 users at the same time.

2. Functional Tests

- The acceptance criteria must align with the current implementation of the online store.

3. Automated Tests

- All test cases must be automated.
- Tests must be connected to the CI/CD tool - Jenkins.

Rejection Criteria:

1. Performance Tests

- The server response time is longer than 1000 ms.

2. Functional Tests

- Implemented functionalities do not meet the requirements.

Entry Criteria:

- The test environment must be set up.
- The test environment must resemble the production environment.
- Access to iOS device.
- Access to Android device.

Exit Criteria:

- All test cases have been executed.
- All test levels and types outlined in the test plan have been completed.
- All defects have been fixed.

List of Functionalities to Test:

- Product Search – Test Case 001
- Order Placement Process – Test Case 002
- PayPal Integration – Test Case 003
- Product Creation – Test Case 004
- Admin Panel – Test Case 005

Test Environment:

Tests for the online store will be conducted on the dedicated server at https://academybugs.com/. The test environment has parameters similar to the production environment.

Specifications:

- Processor: 2.4 GHz
- RAM: 16 GB
- Disk: 512 GB
- System: Linux Debian 12

Tests will be conducted using the following devices:

1. PC:

- Processor: i5 3.6 GHz
- RAM: 8 GB
- Operating System: Windows 10

2. iOS Device (iPhone 14):

- Processor: Apple A15 Bionic
- RAM: 6 GB
- iOS version 17

3. Android Device (Samsung Galaxy S21):

- Processor: Samsung Exynos 2100
- RAM: 8 GB
- Android version 11

Error Categories:

The test plan categorizes errors by priority:

- Crash
- Blocker Error
- Major Error
- Medium Error
- Trivial Error

Test Location:

Tests will be conducted at the software development company's premises by the tester.

Test Schedule:

1. Static Testing

- Verification of the prepared documentation
- Verification of user stories

Time: 15h

2. Functional Testing

- Verification of implemented functionalities according to prepared assumptions
- Reporting defects
- Executing test cases

Time: 40h

3. Performance Testing

- Verification of server response time
- Verification of server load with users

Time: 12h

4. Automated Testing

- Preparing file structure
- Implementing automated tests based on provided test cases
- Connecting tests to Jenkins tool
- Connecting tests to Grafana tool

Time: 40h

Test Reports:

- Reports on detected defects
- Designed test cases
- Automated test scripts
- Metrics from performance tests

List of Tools:

1. Defect Reporting Tools:

- Jira

2. Test Case Creation Tools:

- TestLink
- XRay

3. Automation Tools:

- WebdriverIO
- SuperTest
- Allure
- Jenkins
- Grafana

4. Performance Testing Tools:

- JMeter

5. Screenshot and Video Capture Tools:

- ShareX
- PicPick

Incident Management:

Upon detecting a defect, it will be reported to the defect management system, Jira. The defect will be assigned a priority as indicated in the test plan, and a person will be designated to fix the issue. Once the programmer corrects the defect, it will be handed back to the tester for confirmation testing.

If the defect is successfully fixed, the report will be closed and moved to the "Done" column. If the defect is improperly fixed, the report will be returned to the programmer.

Roles and Responsibilities:

Test Manager – oversees and organizes the work of the entire testing team.

Test Analyst – analyzes the test basis, prepares the required test assets, and supports the Test Manager.

Tester – performs the tasks assigned by the Test Manager, executes tests, and reports defects.

Technical System Administrator – prepares the test environment and supervises it during the testing process.

1.1.Test Suite : Main page

Functionality related to the main page

Test Case TW-1: Changing the number of displayed products [Version : 1]

Author:	admin

Preconditions:

Verification of the functionality of changing the number of displayed products

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Click on the buttons to show a certain number of results at the top left	The number of displayed products changes according to the user's selection	The page freezes when clicking on the numbers of results	Failed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-2: Changing the way products are sorted [Version : 1]

Author:	admin

Preconditions:

Verification of the functionality of changing the method of sorting products

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Click the buttons to change the product sorting mode	Products are sorted according to user settings		Passed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Requirements	None

Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-3: Adding a product to the cart [Version : 1]

Author:	admin
Preconditions:	
Verification of the functionality of adding a product to the cart	

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Click "Add to cart" under any product	We receive the information "Successfully Added to your Shopping Cart"		Passed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	High
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (min):	

1.2.Test Suite : Product page

Functionalities related to the product page

Test Case TW-10: Currency change [Version : 1]				
Author:	admin			
Preconditions:				
Verification of correct currency change				
#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Open a product	The selected product page opens correctly		Passed
4	Change the currency in the right side menu	Changing the currency updates the product price in the selected currency	The page freezes when changing the currency	Failed
Execution type:	Manual			
Estimated exec. duration (min):				
Priority:	Medium			
Requirements	None			
Keywords:	None			
Execution Details				
Build	Version 1.2.1			
Tester	admin			
Execution Result:	**Failed**			
Execution Mode:	**Manual**			
Execution duration (min):				

Test Case TW-11: Adding a product to the cart [Version : 1]				
Author:	admin			
Preconditions:				
Verification of the functionality of adding a product to the cart				
#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Open a product	The selected product page opens correctly		Passed

| 4 | Click "Add to cart" | We are redirected to the cart page containing the product we have added | | Passed |

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	High
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-12: Social media links [Version : 1]

| Author: | admin |
| Preconditions: | |

Verification of the correct operation of links to social media

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Open a product	The selected product page opens correctly		Passed
4	Click any social media button	We are redirected to the selected page	The twitter share button shows an error page	Failed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-13: Post a comment [Version : 1]

| Author: | admin |
| Preconditions: | |

Verification of the functionality of posting a comment

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed

2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Open a product	The selected product page opens correctly		Passed
4	Fill out the comment form	The form fields are completed according to what we write		Passed
5	Click "Post Comment"	Our comment has been published	The comment does not appear	Failed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (min):	

1.3.Test Suite : Cart page

Functionality related to the shopping cart page

Test Case TW-4: Updating the quantity of the selected product in the cart [Version : 1]

Author:	admin

Summary:

At least one product has been added to the cart

Preconditions:

Verification of the functionality of updating the quantity of the selected product in the shopping cart

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Add one or more products to the cart	We receive the information "Successfully Added to your Shopping Cart"		Passed
4	Click the "View cart" link on top of the page	The page with the contents of the cart is displayed correctly		Passed
5	Change the quantity of the selected product and click "Update"	The number of products in the cart changes regardless of the variable quantity	When clicking on the update button the product quantity becomes 2 again	Failed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	High
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-5: Removing a product from the cart [Version : 1]

Author:	admin

Summary:

At least one product has been added to the cart

Preconditions:

Verification of the functionality of removing a product from the cart

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Add one or more products to the cart	We receive the information "Successfully Added to your Shopping Cart"		Passed
4	Click the "View cart" link on top of the page	The page with the contents of the cart is displayed correctly		Passed
5	Click "X" button	The product disappears from the cart regardless of the quantity		Passed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	High

Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-6: Correctness of the final price [Version : 1]	
Author:	admin
Summary:	
At least one product has been added to the cart	
Preconditions:	
Verification of the correctness of the final price	

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Add one or more products to the cart	We receive the information "Successfully Added to your Shopping Cart"		Passed
4	Click the "View cart" link on top of the page	The page with the contents of the cart is displayed correctly		Passed
5	We check the "Grand Total" field	The "Grand Total" field gives the correct price including the price of all products and shipping	The grand total is $100 more than the sum of all products in the cart	Failed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	High

Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-7: Applying a coupon [Version : 1]

Author:	admin
Summary:	
At least one product has been added to the cart	
Preconditions:	
Verification of correct use of the coupon	

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Add one or more products to the cart	We receive the information "Successfully Added to your Shopping Cart"		Passed
4	Click the "View cart" link on top of the page	The page with the contents of the cart is displayed correctly		Passed
5	Enter wrong Coupon Code and click "Apply Coupon" button	We receive the message "Not a valid coupon code"		Passed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (min):	

Test Case TW-8: Applying a gift card [Version : 1]

Author:	admin
Summary:	
At least one product has been added to the cart	
Preconditions:	
Verification of correct use of the gift card	

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:

1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Add one or more products to the cart	We receive the information "Successfully Added to your Shopping Cart"		Passed
4	Click the "View cart" link on top of the page	The page with the contents of the cart is displayed correctly		Passed
5	Enter wrong Gift Card number and click "Redeem Gift Card" button	We receive the message "Not a valid gift card number"		Passed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Requirements	None
Keywords:	None
Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (min):	

| **Test Case TW-9: Currency change** [Version : 1] | |
| Author: | admin |

Summary:

At least one product has been added to the cart

Preconditions:

Verification of correct currency change

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	Open **https://academybugs.com**	The **https://academybugs.com** website opened correctly		Passed
2	Click the Find Bugs link on the navigation bar	The https://academybugs.com/find-bugs/ website opened correctly		Passed
3	Add one or more products to the cart	We receive the information "Successfully Added to your Shopping Cart"		Passed
4	Click the "View cart" link on top of the page	The page with the contents of the cart is displayed correctly		Passed
5	Change the currency in the right side menu	Changing the currency updates the products price and shipping price in the selected currency	The page freezes when changing the currency	Failed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Requirements	None
Keywords:	None

Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (min):	

Execution Details	
Build	Version 1.2.1
Tester	admin
Execution Result:	**Failed**
Execution Mode:	**Manual**
Execution duration (min):	