



GROUP 171

HOMEWORK #4. TEST PLAN

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Site etsy.com
Test Plan
Version 1.1

Site <u>etsy.com</u>	Version 1.1
Test Plan	Date 14.06.22

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Site etsy.com	Version 1.1
Test Plan	Date 14.06.22

Table of Contents

1. Introduction	4
1.1 Purpose	4
1.2 Source data	4
1.3 Scope	4
2. Conditions for testing	5
3. Testing strategy	5
3.1 Testing types	6
3.1.1 Functional testing	6
3.1.2 Cross-browser testing	8
3.1.3 Regression testing and verification of fixed defects	8
3.1.4 Testing the design	8
4. Testing schedule	9
5. Final results	9
5.1. Resume	9

Site etsy.com	Version 1.1
Test Plan	Date 14.06.22

1. Introduction

1.1 Purpose

The purpose of this test plan is to describe the testing process of Etsy site (full URL <http://etsy.com>). The document allows to get an idea of the planned work on project testing.

1.2 Source data

Etsy.com – is a global marketplace for unique and creative goods. It allows buyers to find handmade, one-of-a-kind items. The platform connects sellers with millions of buyers looking for something original, with a human touch. The Etsy’s powerful search tools let the buyers explore a lot of special items offered by the Etsy sellers.

1.3 Scope

The purpose of testing the etsy.com site is to check the correct operation of all its functions on different versions of browsers with typical use cases. A fraction of the time (20%) will be used to test atypical / potentially error-prone usage scenarios.

The result of the testing process will be the following materials:

- report of the testing team regarding the general state, giving the developers and managers of this product a picture of the site’s correct operation in various browsers;
- report of the results of testing the current coverage, typical use cases / browsers;
- documented bugs in the bug tracker of the customer;

Testing will be done manually, by the ad-hoc testing method from the perspective of the end user of the site.

Site etsy.com	Version 1.1
Test Plan	Date 14.06.22

2. Conditions for testing

The website should satisfy the user's need for activities related to reading blog about current trends and inspirations, searching of goods, viewing images and descriptions, ordering from different sellers.

3. Testing strategy

The following test plan is formal, as understanding of the current state of the project is needed to build a detailed plan. As a result of the first run of functional tests, changes and improvements will be made to the test plan. The first run of the functional tests will give a clear idea of the level of stability of the system and the set of tests that will be performed in each configuration will be clearly defined.

This approach will give an opportunity to get a detailed report on the product being tested and to focus maximum attention on narrow places.

The customer will be provided with daily reports on the progress of testing, defects found, suggestions for improving the work of the product and its design. All detected defects will be reported to the customer's tracker as separate tickets for subsequent correction.

In the process of testing the Etsy.com site ad-hoc testing will be applied due to the lack of strict specification, as well as due to limited resources for the formalisation of tests.

Five stages of the testing process are planned:

1. The first stage is to analyze the technical requirements, develop a test plan, and run the functional tests partially.
2. Second stage will be devoted to a detailed run of the functional tests with the detection and description of defects.
3. At the third stage, cross-browser compatibility testing will be performed with a description of the defects found.
4. The fourth stage is to check the bugs fixed by the developers and conduct regression testing.
5. The fifth stage is to test the product design with a description of the defects found.

Site <u>etsy.com</u>	Version 1.1
Test Plan	Date 14.06.22

Thus, maximum detailing of the testing depth is achieved, which, in turn, allows to determine the spent resources more accurately, as well as allows project developers to correct defects at the earliest stages.

OS, approved for testing:

- MAC OS Monterey 12.4
- Windows 10

Browsers, approved for testing:

- Google Chrome 102.0.5005.115
- Mozilla Firefox 101.0.1 (64-bit)
- Safari 15.5

The security testing and the stress testing are not conducted due to lack of testing time.

3.1 Testing types

3.1.1 Functional testing

Objective:

Identify functional errors, inconsistencies with the requirements and expectations of the user through the implementation of standard as well as non-trivial test scenarios.

Process description:

Registration / Authorization

- User registration
- User authorization
- Password recovery

Profile

- Profile editing
- Deletion of the account
- Cancellation / confirmation of the subscription
- User logout from personal account
- Sharing link
- Favorite items

Search

- Search by key word, section, theme
- Filtering the search
- Sorting the search results

Site etsy.com	Version 1.1
Test Plan	Date 14.06.22

Blog articles

- Search in blog
- Adding a comment
- Deleting a comment

Photo

- Zoom function
- Adding to favourites

Video

- Video playback

Product page

- Photo carousel
- Selecting product options
- Changing delivery destination
- Sending message to a seller
- Adding product to cart
- Adding product to wish-list

Product review

- Attaching a photo to a review
- Sending a review
- Deleting a review
- Sorting reviews
- Clicking the “Helpful?” button

Shopping cart

- Adding item
- Removing item
- Changing the number of items
- Adding a gift note
- Saving for later
- Applying coupon codes
- Contacting shop
- Continue shopping

Checkout

- Editing shipping address
- Choosing payment method
- Payment transaction

Site <u>etsy.com</u>	Version 1.1
Test Plan	Date 14.06.22

3.1.2 Cross-browser testing

Objective:

Check the correct operation and design of the project in various browsers.

Browsers

- Google Chrome 102.0.5005.115
- Mozilla Firefox 101.0.1 (64-bit)
- Safari 15.5

3.1.3 Regression testing and verification of fixed defects

Objective:

Checking the changes made on the site in order to make sure that the new version does not contain errors in the already tested parts of the site.

In the course of regression testing, the following types of tests will be conducted:

- Verification tests
- Version testing
- Testing related to functionality

3.1.4 Testing the design

Objective:

Verification of product design compliance with specifications.

Process description:

- Site pages
- Site map
- Registration form
- Letter to the user
- Personal account
- Shopping cart
- Checkout form
- Etsy blog

Site etsy.com	Version 1.1
Test Plan	Date 14.06.22

4. Testing schedule

Task	Workload	Start date	Expiration date
Making a test plan	To be defined		
Test execution	To be defined		
Test Analysis	To be defined		
Summarising	To be defined		

5. Final results

5.1. Resume

The final result of the testing should be the complete summary consequence of testing process with the described defects and recommendations for the improvement of the product from the perspective of the end user.