

## Task #14

Examples of tests by test types for the website <https://teastar.com.ua/uk/>

### **Functional testing**

#### Functional testing

1. Check the product search function by article 15832.
2. Check the pagination function on the PLP of the Crockery (Посуд) category.

#### Interoperability testing

1. Check the possibility of making a call to the phone number indicated in the site header using the Smartphone Communication (Зв'язок зі смартфоном) application.
2. Check the transition with the link Find us (Знайти нас) on Facebook.

#### Security testing

is classified as functional testing according to some classifications (in the CIS), but ISTQB classified security testing as non-functional testing.

Security testing is performed to check how well a website is protected against internal and external threats. Such testing is carried out by a special group of Security Testers.

Examples of such testing can be:

1. Check the access of invalid users to the website.
2. Check compliance with the password requirement in an encrypted format.

### **Non-functional testing**

Performance testing:

#### Load testing

1. Check the behavior of the site when the number of users increases to the planned expected load of 800 users in 5 seconds.

#### Stress testing

1. Check the behavior of the site under a load that exceeds the maximum - 1000 users.

Important: you need to increase the number of users gradually and record the response time until the site crashes.

#### Recovery testing

1. Check the site's ability to recover after "falling" due to stress.

#### Endurance testing

1. Check the operation of the site and the response time at a constant high load for 3 days.

#### Volume testing

1. Check the performance of the site when the volume of the database is increased by 2 times.

#### Scalability testing

1. Test site performance and response time stability by applying a load that exceeds the planned number of users for the application before the site crashes.

Purpose: to record indicators of the number of visitors and response time before the crash moment (emergency shutdown of the site).

#### Compatibility testing

1. Check the operation of the website in the Chrome browser in different versions (three previous to the current one).
2. Check the operation of the site in different browsers Opera, Microsoft Edge, Firefox.
3. Check the operation of the site in different OS: Windows, Linux, Mac.
4. Check the operation of the site on various mobile devices and their Android, iOS platforms.
5. Check the operation of the site in different 3G, WiFi networks.

Important: the interaction of applications in the same environment is considered, that is, whether this site has a negative impact on other programs, sites, applications. In other words, is it "used with neighbors" in the same environment.

#### Portability/configuration testing

1. Check the operation of the site in different OS: Windows, Linux, Mac.
2. Check the operation of the site in different browsers Opera, Microsoft Edge, Firefox.

Important: the behavior of the site in different environments is considered, that is, whether the site is able to adapt to new conditions and work equally well in different environments, as well as have an appearance that meets the requirements. If so, then they say that it is portable.

#### Usability testing

1. Check the usability of the Up (Вверх) button (instant scrolling).
2. Check the possibility of canceling a previously confirmed newsletter.
3. Check the convenience of returning to the main page due to the clickability of the site logo.

#### UI (User Interface) testing

1. Check the availability and completeness of the product image on the PLP of the Crockery (Посуда) category.

2. Check the correct placement of inscriptions on the product card of the Coffee (Кава) category.

#### UX (User Experience) testing

1. Check the emotional reaction, speed, and accuracy of the user when placing an order.

#### Localization testing

1. Check the correctness of the currency format on the product card of the Coffee (Кава) category at the UA locale.
2. Check the availability of text in Ukrainian on the All About Us (Все про нас) page.

#### Internationalization testing

1. Check the possibility of registration on the site in Hebrew.
2. Check the possibility of ordering delivery in Japanese.
3. Check the currency format when choosing English.

Globalization testing combines localization and internationalization testing.

### **Change-related testing**

#### Confirmation testing

1. Check the filter selection function by the brand “TEASTAR” (after fixing the bug).

#### Regression testing

1. Check the correct operation of the filter according to the type of package (after eliminating the error in selecting the filter according to the "TEASTAR" brand).

#### Smoke testing

1. Check the possibility of registering a new user.
2. Check the possibility of adding to the Shopping Bag (Кошик) and removing the product from the Shopping Bag (Кошик).
3. Check the possibility of paying for the product by card on the website.

Smoke testing is also called Build verification testing, so it is performed when testers receive a new version of the program (build) for testing.

#### Sanity testing

1. Check the correct operation of the filter according to the View (Вид) of the tea.

#### Maintenance testing

1. Check the correct operation of the site after updating the client database.