A logo with blue and yellow letters

Description automatically generated

**STP**

**for https://ksp.co.il/web/**

make by: Tatyana (Scrum Master), Oleg, Ibrahem, David, Hadas,

Project name: KSP

|  |  |
| --- | --- |
| Version: | Live 1.01 |
| Date: | 03/03/2024 |
| Product  Description: | A website of KSP which is intended for in addition to computers and related equipment, the chain sells electronic devices, such as MP3 players, digital cameras, game consoles, etc., as well as electrical products such as televisions, washing machines, refrigerators and even Lego, perfumes, sports clothing, watches and products for the home and garden. |
| Test Purpose: | Check the site's integrity, focusing on essential services and information. |

Web browsers: Chrome, Safari, and Edge on the desktop platform.

Operating system: Windows 10\11, MacOS14.3.1, MacAir14.1.

Printers and Scaners: HP DeskJet Plus 4120, HP OfficeJet 6950

Web applications: Google docs, Google Tables

Testing Environment:

Documents:

|  |  |
| --- | --- |
| STP- Software test plan | The Software Test Plan (STP) describes plans for qualification testing of Computer Software Configuration Items (CSCIs) and software systems. It describes the software test environment to be used for the testing, identifies the tests to be performed, and provides schedules for test activities. Defines your testing team's test strategy, goals, and scope, which ultimately work together to ensure that all your software components are tested sufficiently before a release provision of the finished product to the customer. |
| STD-Software test design | Software Test Description (STD) is a documentation that includes the test scenarios that the software testers have planned, the initialization conditions required to perform the tests and the details of the expected results for each scenario. The STD ensures that all tests are performed accurately, consistently, and clearly. |
| Bug Report | A bug report or fault report is a record documenting a software bug in a software development project. He provides details about a problem and defects identified with the system or software application including their severity and steps to replicate the problem. |
| STR-Software test report | Software Test Report (STR) document contains a summary of all test activities and the final test result of the test project.  This structured list, categorized into categories, allows you to bring all the issues to the development team in one document and view them as a kind of handy checklist. This streamlined and structured process allows you to realize fast development processes, reduce costs and offer higher functionality within your deadlines. |

The smoke tests template:

|  |  |  |  |
| --- | --- | --- | --- |
| Stage | Action | Expected result | The actual result |
| 1 | Open the computer | The computer turns on and runs without problems | The computer turns on and runs without problems |
| 2 | Enter the browser | Browser opens without problems and works as expected | Browser opens without problems and works as expected |
| 3 | Enter the KSP website | The site is up and working as expected | The site is up and working as expected |

Smoke test for https://ksp.co.il/web/

As well as the E2E test for booking product.

Termination Conditions:

Smoke and sanity tests passed successfully.

70 percent of all tests were passed successfully.

Passed successfully E2E tests for booking and buying products.

The possible level of bugs (medium, low)

The integration of tests in the life of the product:

|  |  |
| --- | --- |
| **Test Levels:**  1. Smoke  2. Sanity Testing  3. Regresion | **Types of Testing:**  1. GUI testing  2. Usability testing  3. Functional testing  4. Accessibility testing  5. Negative testing  6. Recovery testing  7. Usability testing  8. Compatibility testing  9. Boundary testing  10. Performance testing  11. Stress testing |

Bugs Levels:

|  |  |
| --- | --- |
| Critical | Critical bugs are the most severe and require immediate attention. These bugs render the entire system unusable and have severe consequences if left unchecked. A critical bug can lead to system crashes, data corruption, or a complete software breakdown. |
| High | High bugs are often significant issues that impact the software's core functionality but don’t completely disable it. These still require an urgent fix but don’t pose the same risk as critical bugs. Major bugs can cause severe disruptions or degrade system performance, affecting your user’s ability to perform critical tasks. |
| Medium | Medium bug is an issue that affects non-critical functionalities but doesn’t render the software unusable. These usually only cause inconveniences to your end-users that may require some workarounds until it’s resolved. |
| Low | Low bugs, as the name implies, are even less of an issue than other bugs. They don’t normally impact functionality but are minor annoyances that pop up within the system. |

The testing strategy:

|  |  |
| --- | --- |
| Required hardware: | There is no characterization document that requires this. The tests are carried out on a working version of the site. |
| Number of testers: | 5 |
| Development of working documentation: | Software Test Plan, Software Test Design, Bug Report, Software Test Report |
| Basic principles of testing: | Sequential approach - each activity is checked, analyzed and argued.  Systematic approach - following the initial plan helps to orient and develop the necessary solution. |

Managing risks:

The product did not get delivered on schedule.

Changes to the functionality may negate the tests already written and we may lose test cases already written.

Changes forced by the client.

War circumstances.

Staff sickness.

Vacation and holidays.

Roles and responsibilities

|  |  |  |
| --- | --- | --- |
| Tester | Role | Test subject RESPONSIBILITIES |
| Tatyana | SW TESTER TEAM LEAD,  SCRUM MASTER | - Coach group to adopt and use Scrum in the team.  - Assist the team in making effective enhancements to the product.  - Prevent and eliminate impediments. |
| Oleg | SENIOR TEST | - Design and develop comprehensive test plans and cases to ensure software quality and functionality align with user requirements and company standards.  - Execute manual and automated tests, analyze results, identify defects, and document issues in a defect tracking system.  - Mentor junior test engineers, providing guidance on testing best practices, techniques, and tools. |
| Ibrahem | MANUAL TESTER | - Focus on the client-facing (frontend) side of the software, running checks as if the software was given to real end-users.  - Checks the performance of the product manually in the QA team structure. |
| David | MANUAL TESTER | - Focus on the client-facing (frontend) side of the software, running checks as if the software was given to real end-users.  - Checks the performance of the product manually in the QA team structure. |
| Hadas | JUNIOR TESTER | - Design test cases to exercise new product features.  - Perform exploratory tests of new features and bug fixes.  - Validate that requirements and bug fixes meet acceptance criteria |

In scope / Out of scope:

**Causes out of scope:**

Time

Personnel

Restriction of resources

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tester | Tatyana | Oleg | Ibrahem | David | Hadas |
| In scope | Cart /  עגלה | Product /  מוצרים | Login /  התחברות | Customer Service /  שירות לקוחות  לקוחות | Search /  חיפוש |
| Order /  רכישה | Sale /  מבצעים | Branches /  סניפים ושעות פעילות | Needed /  דרושים | Gift card /  כרטיס מתנה |
| Buying guides /  מדריכי קנייה | Accessibility /  נגישות | Compare products /  השוואת מוצרים | Bargains and surplus stock /  מציאון ועודפים | Trade-In /  טרייד אין |
| Out of scope | Stress Testing  / בדיקת לחץ | Load testing / בדיקת עומס | Security Testing / בדיקת אבטחה | Survival Testing / בדיקת התאוששות ושחזור | Products I liked / מוצרים שאהבתי |
| Risk Management / ניהול סיכונים | Languages Testing / בדיקת שפות | Integration Testing / בדיקת אינטגרציה | Performance Testing / בדיקת ביצועים |  |