**Чек-ліст:**

**Основні характеристики:**

* містить список необхідних перевірок для тестування продукту
* складається з переліку блоків, секцій, сторінок, інших елементів, які потрібно протестувати
* найчастіше мають кілька стовпців, кожен з яких призначений для написання перевірки на окремій платформі

**Переваги:**

* підвищує продуктивність праці, оскільки тестувальникам не потрібно пам'ятати всі деталі
* знижує кількість помилок в роботі, тому що тестувальники рухаються за чітким планом
* полегшує розподіл завдань серед команди тестувальників
* спрощує контроль за виконанням завдань
* виконання завдань з чек-ліста і проставлення відміток про виконання дає змогу наглядно оцінити прогрес в роботі

**Недоліки:**

* чек-ліст є шаблоном для дій, що не сприяє творчій реалізації працівника, вимагаючи від нього виконувати все за планом;
* для новачків чек-ліст може бути незрозумілим і складним у виконанні
* можуть бути неповними
* в деяких ситуаціях їх може бути складно використовувати
* в деякій мірі можуть бути занадто спрощеними і не підходити до задачі, яку потрібно вирішити

**Тест-кейс:**

**Основні характеристики:**

* це сукупність дій, спрямованих на перевірку якогось функціоналу програми, що тестується
* від правильності написання тест-кейсів залежить якість тестування
* джерелом даних для тест-кейсів може бути чек-ліст; failed тест-кейси є джерелом даних для баг-репортів

**Переваги**:

* вони прості і зрозумілі
* їх легко може виконувати навіть новачок або колега, який нічого про проєкт не знає
* іх використання знижує ймовірність пропустити помилки
* гарний спосіб зберігання проектної документації
* дозволяють легко відстежувати прогрес

**Недоліки:**

* містять багато тексту і вимагають значних витрат часу на написання
* складно підтримувати, тому що, якщо відбувається якась зміна в інтерфейсі (напр-д, зміна назви кнопки), потрібно виправляти багато інформації
* часто тестувальники копіюють текст тест-кейсів (через схожість тест-кейсів на один функціонал між собою), а відтак можуть виникати проблеми, коли тестувальник забуває змінити якісь неактуальні частини з вихідного кейса.

**Користувацький сценарій**

**Основні характеристики:**

* це схема, яка дозволяє визначити, чому покупці опиняються на сайті і як реалізують свої плани за допомогою нашого продукту
* сценарії пишуться до етапу техробіт зі створення продукту, вони сфокусовані на діях та потребах користувачів.
* технічним аспектам в цьому процесі немає місця

**Переваги:**

* забезпечує тестувальника інформацією про бажання та потреби користувача
* допомагає правильно визначити контекст використання та адаптувати досвід до потреб і мотивацій користувача.
* перевіряє особливості дизайну, які ми могли б не помітити в іншому випадку.

**Недоліки:**

* трудоємність процесу
* неможливість передбачити абсолютно усі сценарії

**Чек-ліст головної сторінки інтернет-магазину https://bookopt.com.ua**

| **Main page** |  | **Executions** | | | |
| --- | --- | --- | --- | --- | --- |
|  | **pass/fail** | **pass/fail** | **pass/fail** | **pass/fail** |
| **Section** | **Case** |  |  |  |  |
| **Header** | Presence of the header on the site  Clickability of the logo (transition to the main page of the site)  The presence of a language switcher and its correct operation  Checking the presence of a contact phone number, the ability to click on it  **Search:**  Presence of a field for searching for a product by name  Following the link  **Categories:**  Presence of a drop-down list of the site's product catalog  Checking the correct transition to the link of each category  **Main sections of the site:**  Checking the underlining and color highlighting of links to the sections "Новинки", "TOP 100", "SALE", "Відгуки наших клієнтів", "Автори", "Спільні покупки", "Блог"  Checking the correct transition to the link of each section  **Personal account:**  Checking the appearance of a pop-up tooltip when you hover over the "Кабінет" icon  Checking the ability to log in to the site using the "Кабінет" icon  **Wish List:**  Check if the tooltip appears when you hover over the icon  "Список побажань"  Checking the ability to open products from the wishlist  **Store Cart:**  Checking the appearance of a pop-up tooltip when you hover over the "Кошик" icon  Checking the ability to open the customer's cart using the "Кошик" icon |  |  |  |  |
| **Область контенту** | **Banner:**  Checking the availability of a banner with up-to-date information about the site's products  Checking the clickability of links in the banner  Checking the speed of information change in the banner  **“Новинки”**:  Checking the availability of the NEW section and displaying the first 10 products here  Checking the clickability of links to new products  **“Акції”:**  Checking the availability of the АКЦІЇ section and displaying current promotional offers  Checking the ability to go to the details of each promotion by clicking on it  **“Топ продаж”:**  Checking the availability of ТОП ПРОДАЖ section and displaying the first 10 products here  Checking the clickability of links to products from the ТОП ПРОДАЖ section  **“Незабаром у продажу”:**  Check the availability of the section НЕЗАБАРОМ У ПРОДАЖУ  Checking the clickability of links to products from the НЕЗАБАРОМ У ПРОДАЖУ section  **“Статті”:**  Checking the availability of the НОВИНИ, СТАТТІ, ОГЛЯД section  Checking the clickability of links to each article in the НОВИНИ, СТАТТІ, ОГЛЯД section  **“Популярні категорії”:**  Availability of a list of links to the popular categories  Correct work of links from the section OPTIONAL CATEGORIES |  |  |  |  |
| **Footer** | Presence of the footer on the site  Checking the availability of contact information in the footer  Checking the possibility of subscribing to the mailing list  Checking the presence of Facebook, Instagram icons and the transition to the store page in social networks  Checking the availability and clickability of the menu item Цінова політика  Checking the availability and clickability of the menu item Співпраця  Checking the availability and clickability of the menu item Спільні покупки  Checking the availability and clickability of the menu item Відгуки наших клієнтів  Checking the availability and clickability of the menu item Подарункові сертифікати  Checking the availability and clickability of the menu item Доставка і оплата  Checking the availability and clickability of the menu item Повернення  Checking the availability and clickability of the menu item Умови використання сайту  Check the availability and operation of the feedback service  Check the availability and operation of the "Up" button |  |  |  |  |
|  | Check for spelling and grammar mistakes |  |  |  |  |

**Positive Test Case 1**

| **Test Case ID** | | BO-01 | **Test Case Description** | | Test the registration functionality | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Name = name | | | | |
| 2 |  | | |  | 2 | Surname = surname | | | | |
| 3 |  | | |  | 3 | email = email@gmail.com | | | | |
| 4 |  | | |  | 4 | Password = 12345 | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Сhecking the possibility of registering on the website | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Click on the icon “Кабінет” | | The authorization window should open | | Pass | | |  |  |  |
| 3 | Click on the button “Чи зареєструватись” | | The registration window should open | | Pass | | |  |  |  |
| 4 | Enter Name in the field Ім’я  Enter Surname in the field Прізвище  Enter email in the field Електронна адреса  Enter Password in the field Пароль  Enter Password in the field Підтвердження паролю | | Registration data can be entered | | Pass | | |  | | |
|  | Click checkboxes “Підписатись на інформаційний лист”, “Я згоден з Правилами та умовами” | | Checkboxes must be marked | | Pass | | |  | | |
|  | Click “Зареєструватись” | | Customer is registered | | Pass | | |  | | |

**Positive Test Case 2**

| **Test Case ID** | | BO-02 | **Test Case Description** | | Test the login functionality | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | email = email@gmail.com | | | | |
| 2 |  | | |  | 2 | Password = 12345 | | | | |
| 3 |  | | |  |  |  | | | | |
| 4 |  | | |  |  |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify on entering valid email and password, the customer can login | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

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| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Click on the icon “Кабінет” | | The authorization window should open | | Pass | | |  |  |  |
| 3 | Enter email in the field Електронна адреса  Enter Password in the field Пароль | | Credential can be entered | | Pass | | |  |  |  |
| 4 | Click the button “Вхід” | | Customer is logged in | | Pass | | |  | | |

**Positive Test Case 3**

| **Test Case ID** | | BO-03 | **Test Case Description** | | Test the news subscriptions | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | email = email@gmail.com | | | | |
| 2 |  | | |  |  |  | | | | |
| 3 |  | | |  |  |  | | | | |
| 4 |  | | |  |  |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test**  **Scenario** | Сhecking whether the user can subscribe to the site's news | | | |  |  |  |  |  |  |

| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Scroll down to the footer | | You can see the footer of the page | | Pass | | |  |  |  |
| 3 | Enter email in the field “Введіть e-mail” | | Credential can be entered | | Pass | | |  |  |  |
| 4 | Click the button “Підписатись” | | The user subscribed to the site news | | Pass | | |  | | |

**Positive Test Case 4**

| **Test Case ID** | | BO-04 | **Test Case Description** | | Test wish list | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | email = email@gmail.com | | | | |
| 2 |  | | |  | 2 | Password = 12345 | | | | |
| 3 |  | | |  | 3 | Category=Книги | | | | |
| 4 |  | | |  | 4 | Subcategory=Казки | | | | |
|  |  | | |  |  |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test**  **Scenario** | Testing adding the item to the wish list | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Log in to the site, using email and Password | | Customer is logged in | | Pass | | |  |  |  |
| 3 | Choose the Category in the Каталог | | The page with the list of subcategories must open | | Pass | | |  |  |  |
| 4 | Choose the Subcategory | | The list of all books in this category must open | | Pass | | |  |  |  |
| 5 | Click the name of the first book | | The window with information about this book must open | | Pass | | |  | | |
| 6 | Click on the item of heart with the tooltip “Додати до обраного” | | The number near the item of heart in the header should change | | Pass | | |  | | |
| 7 | Click on the item of heart in the header of the site | | The window with the list of wishes must open and we should see the added book in it | | Pass | | |  | | |

**Positive Test Case 5**

| **Test Case ID** | | BO-05 | **Test Case Description** | | Test search bar | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Name=Украдене щастя | | | | |
| 2 |  | | |  |  |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test**  **Scenario** | Testing the correct operation of the search bar | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Find the search bar Пошук in the header and enter the Name in this bar | | The name of the book is displayed in the search bar | | Pass | | |  |  |  |
| 3 | Click the item “Шукати” | | The book we looked for in the search bar is displayed in the new window | | Pass | | |  |  |  |

**Negative test case 1:**

| **Test Case ID** | | BO-06 | **Test Case Description** | | Test search bar with incorrect data | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Name=erhfltyt ofcnz | | | | |
| 2 |  | | |  |  |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test**  **Scenario** | Testing the search bar with entering the incorrect name of the book (the user enters the name of the book in Ukrainian without changing the keyboard layout | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Find the search bar Пошук in the header and enter the Name in this bar | | The name of the book is displayed in the search bar | | Pass | | |  |  |  |
| 3 | Click the item “Шукати” | | The new window shows the message “Товари, що відповідають вибору, відсутні” | | Pass | | |  |  |  |

**Negative test case 2:**

| **Test Case ID** | | BO-07 | **Test Case Description** | | Test the authorization functionality | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Name = name | | | | |
| 2 |  | | |  | 2 | Surname = surname | | | | |
| 3 |  | | |  | 3 | email = emailgmail.com | | | | |
| 4 |  | | |  | 4 | Password = 12345 | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Test the impossibility of authorization with incorrect user email | | | |  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Click on the icon “Кабінет” | | The authorization window should open | | Pass | | |  |  |  |
| 3 | Click on the button “Чи зареєструватись” | | The registration window should open | | Pass | | |  |  |  |
| 4 | Enter Name in the field Ім’я  Enter Surname in the field Прізвище  Enter email in the field Електронна адреса  Enter Password in the field Пароль  Enter Password in the field Підтвердження паролю | | Registration data can be entered | | Pass | | |  | | |
|  | Click checkboxes “Підписатись на інформаційний лист”, “Я згоден з Правилами та умовами” | | Checkboxes must be marked | | Pass | | |  | | |
|  | Click “Зареєструватись” | | The authorization is impossible and the message “Це не електронна адреса!” must appear | | Pass | | |  | | |

**Negative Test Case 3**

| **Test Case ID** | | BO-08 | **Test Case Description** | | Test the login functionality | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | email = email@gmail.com | | | | |
| 2 |  | | |  | 2 | Password = qwert | | | | |
| 3 |  | | |  |  |  | | | | |
| 4 |  | | |  |  |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify if the customer can log in entering incorrect password | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Click on the icon “Кабінет” | | The authorization window should open | | Pass | | |  |  |  |
| 3 | Enter email in the field Електронна адреса  Enter Password in the field Пароль | | Credential can be entered | | Pass | | |  |  |  |
| 4 | Click the button “Вхід” | | Customer isn’t logged in and the message “Електронна пошта або пароль неправильні!” must appear | | Pass | | |  | | |

**Negative test case 4:**

| **Test Case ID** | | BO-09 | **Test Case Description** | | Test the adding of books to the shopping cart | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | Name=Украдене щастя | | | | |
| 2 |  | | |  | 2 | Quantity=1.5 | | | | |
| 3 |  | | |  | 3 |  | | | | |
| 4 |  | | |  | 4 |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test Scenario** | Verify the ability to add floating point quantities to the cart | | | |  |  |  |  |  |  |

| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Find the search bar Пошук in the header and enter the Name in this bar | | The name of the book is displayed in the search bar | | Pass | | |  |  |  |
| 3 | Click the item “Шукати” | | The book we looked for in the search bar, is displayed in the new window | | Pass | | |  |  |  |
| 4 | Click the picture of the book we have found | | The card of the book is displayed in the new window | | Pass | | |  | | |
| 5 | Enter the Quantity in the field “Кількість” | | The message “Ви вказали невірну кількість товару” is displayed | | Pass | | |  | | |
|  | Click on the item “Кошик” | | The shopping cart is empty | | Pass | | |  | | |

**Negative test case 10**

| **Test Case ID** | | BO-10 | **Test Case Description** | | Test the news subscriptions | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Created By** | | Liliia Dovzhyk | **Reviewed By** | |  | | **Version** | | 2.1 | |
|  |  |  |  |  |  |  |  |  |  |  |
| **QA Tester’s Log** | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Tester's Name** | |  | **Date Tested** | |  | | **Test Case (Pass/Fail/Not Executed)** | | Pass | |
|  |  |  |  |  |  |  |  |  |  |  |
| **S #** | **Prerequisites:** | | |  | **S #** | **Test Data** | | | | |
| 1 | Access to Chrome Browser | | |  | 1 | email = emailgmail.com | | | | |
| 2 |  | | |  |  |  | | | | |
| 3 |  | | |  |  |  | | | | |
| 4 |  | | |  |  |  | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Test**  **Scenario** | Сhecking whether the user can subscribe to the site's news using incorrect email | | | |  |  |  |  |  |  |

| **Step #** | **Step Details** | | **Expected Results** | | **Pass / Fail / Not executed / Suspended** | | |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |
| 1 | Navigate to https://bookopt.com.ua | | Site should open | | Pass | | |  |  |  |
| 2 | Scroll down to the footer | | You can see the footer of the page | | Pass | | |  |  |  |
| 3 | Enter email in the field “Введіть e-mail” | | Credential can be entered | | Pass | | |  |  |  |
| 4 | Click the button “Підписатись” | | The pop-up window is displayed with an error “Електронна адреса має містити знак “@”” | | Pass | | |  | | |

**TEST PLAN**

**Mobile application”SnapCat”**

**Document Revision History**

| **Date** | **Version** | **Description** | **Author** | **Reviewer** | **Approver** |
| --- | --- | --- | --- | --- | --- |
| 09.02.23 | 01 | Test plan was created | Liliia Dovzhyk |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. **Introduction**

This document describes the methods and procedures that will be used by the team in the functional testing process of the mobile application “My s”. It is meant to be used as a manual during testing works. It describes the procedure of the testing process. The test plan is intended for project manager/QA engineer, product developers. The objective of the testing activities is to check functions and features of a software product developed for Android and iOS devices.

1. **Purpose**

Purpose This Test Plan document for the project supports the following objectives:

● Identify existing project information and software components to be tested.

● Recommendation and description of the testing strategies to be employed.

● Identify required resources and provide a test effort estimate

● List the test project deliverable elements.

All found bugs will be tracked using the Trello bug tracker.

1. **Scope of project**

Testing of mobile applications is in the main scope of this test plan. The following components and functions would be tested:

1. Create an account using email

2. Create an account using Social media accounts

3. Password recovery

4. Displaying pictures

5. Add comments to pictures

6. Add reactions to pictures

7. Upload pictures to the application

8. Download pictures from the application

9. Profile

**4. Work plan**

1. Test plan preparation

2. Test plan approval

3. Functional testing and bugs reporting

4. Daily reports preparation

5. Final report preparation

**5. Test Plan and Strategy**

**Functional testing**

The objective of functional testing is to make sure that the whole software product works according to the requirements, and no significant errors appear in the application. Functional testing is the most substantial part of software testing. It involves checking different aspects of the system. A software product must pass all the planned tests. Only in this case its quality can be assured.

| **Test Objective:** | **Ensure proper target-of-test functionality** |
| --- | --- |
| Technique | Execute each use case or function, using valid and invalid data, to verify the following:  ● The expected results occur when valid data is used.  ● The appropriate error or warning messages are displayed when invalid data is used.  ● Each rule is properly applied. |
| Entry Criteria | ● The application construction is completed.  ● The test engineers are dedicated.  ● Necessary devices, instruments, and other equipment are acquired.  ● Test environment is prepared, and the application is released to the test environment. |
| Completion Criteria: | ● All the planned tests are performed.  ● There are no show-stopping errors.  ● All the errors of high priority and severity are fixed.  ● The test results are evaluated, discussed and approved. |

**Test procedure assumes the next points:**

● Reporting of found software bugs.

Various aspects of the tested software should be checked; this requires executing of different testing types. The main testing types that would be executed:

* Functional Testing
* UI Testing
* Usability Testing
* Compatibility Testing (2 modern devices)
* Regression testing
* Retesting (during the second round if needed)

It also will be checked how the software product is run on the devices that are supposed to support it, how it starts and stops, and how much time it needs to launch.

**Bug Reports**

Bug reports are created in order to provide the development team and the project manager with exhaustive information about the discovered defects. They must be helpful in determining causes of the errors and correcting them.

Defect Severity can be classified into four categories:

* Critical (blocker) defects are the failure of the complete software system or of a critical subsystem, and no work or testing can be carried out after the occurrence of the defect. It also applies to data loss failures and with processes that leave inconsistent data stored in the database.
* Major defects (and crashes) are those which also cause failure of the entire or part of the system, but there are some processing alternatives which allow further operation of the system. It also applies to the system crashing, or aborting, during normal operation of a non-critical flow.
* Minor defects do not result in failure but cause the system to show incorrect, incomplete, or inconsistent results.
* Trivial defects are small errors that do not affect the functionality: typos, grammar mistakes, wrong terminology, etc.

The information that is indicated in each bug report:

* the software product name;
* version number of the software product;
* the browser on which the tests were performed.

Each report provides the next information about the defect:

* summary, which is short description of the problem;
* location of the defect in the software product;
* steps to reproduce the error;
* frequency of the defect occurrence;
* severity of the defect;
* additional information about the defect in the form of attached screenshots or video records.

Third party software will be used for reporting and maintaining discovered errors. The test team will log in that software all the defects that will be found during the testing process.

**6. Resources**

**The following tools will be used for this project:**

| **Name of process** | **Tool** |
| --- | --- |
| Defect Tracking | Jira |
| Test Cases | Testrail |
| Screenshots | Video capture Snagit |

**The name of the browser** - Google Chrome

**The list of the devices**

| **Name of the device** | **OS** |
| --- | --- |
| iPhone devices | All supported OS |
| Android devices | All supported OS |

**7. Testing Process Risks**

The next issues may influence testing works:

* changes and modifications of the software product that were not planned and discussed with the test team beforehand;
* changes in the software requirements that were not discussed with the test team beforehand;
* delays in correcting/fixing errors;
* delays in delivering new builds to the test team.

**8. Test Team Expectations**

The test team must be provided with valid, updated documents during the whole testing process. All the required equipment, instruments, devices and software must be acquired and prepared before the beginning of the testing process. All show-stopping errors must be corrected as soon as possible. Release notes should be added to each software release to the test team. The note must explain which elements, functions and features were added to the program and how these additions affect the software. The developers should correct all the errors in the software modules before releasing a new version.

**9. Responsibilities of Test Team Members**

**Project Manager:**

* Managing the whole testing process.
* Providing all the needed resources for the testing activities.

**QA Engineer**

* Experience in participation of Scrum
* Creating test documentation, including test cases, test plans, etc.
* Proposing best practices and tools for a project.
* QA process / logging found errors into the approved bug tracking system.