\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Requirements to shopping cart**

Author: Vera Zhukouskaya

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Contents:**

1. Business requirements……………………. 3
2. User requirements…………………………. 3
3. Functional requirements…………………... 4
4. Non-functional requirements……………… 5
5. Business requirements

BR-1: The cart for online shopping of the “Book store” which sells books and stationery to citizens and residents of the United States of America (local time);

BR-2: The cart will provide new opportunities: engagement new buyers, expanding market segments, sales and profit increasing.

1. User requirements

There are two types of interaction with the cart by capabilities (the table is below):

|  |  |  |  |
| --- | --- | --- | --- |
| № | Capabilites | Guest | Authorized user |
| UR-1 | Enter from header | + | + |
| UR-2 | Enter from PDP by click “add to shopping cart” | + | + |
| UR-3 | Enter from catalog by click “add to shopping cart” | + | + |
| UR-4 | Log in | + | - |
| UR-5 | Add, edit, recalculate, remove an item/items | + | + |
| UR-6 | Add <99 pieces of one item | + | + |
| UR-7 | Add >99 pieces of one item | - | - |
| UR-8 | Save added item/items | 7 days | always |
| UR-9 | Add item/items which are out of stock | - | - |
| UR-10 | Move on “continue shopping” | + | + |
| UR-11 | Apply website banner promo code and get a discount | + | + |
| UR-12 | Apply private money promo code and get a discount | - | + |
| UR-13 | Checkout | + | - |
| UR-14 | Fast checkout | - | + |

1. Functional requirements (including mockup)

FR-1: The shopping cart provides opportunities to make a purchase, to see all necessary information about an item, to include different items, to make some changes with it (edit the quantity, use a discount), to go on shopping without losing already added items.

FR-2: Clickable buttons: Book store (moving to the main page-TBD), Login, “-”, “+”, Update, Remove, Apply, Checkout, Fast checkout, Continue shopping.

Table

Description automatically generated

FR-3: **Header:** shop logo, button “Login” (for a guest) or not clickable “Hi “username”, not clickable on the cart page mini-cart icon with balloon including quantity of items and amount money in US dollars (decimal number with one number after dot).

FR-4: **Footer:** hyperlinks “Contacts” and “FQA”.

**Body (table cells)**

FR-5: **Item:** clickable photo, summary of a product with ID number and hyperlink to PDP.

FR-6: **Quantity:**

FR-6.1:max 99 numbers, min 1

FR-6.2:If zero is chosen, an item removes away;

FR-6.3:“+” or “-” or just insert other number to change quantity and “update” to fix result;

FR-6.4:“remove” deletes a chosen item;

FR-7: **Price cell** (for one thing) and **total price:** decimal number with one number after dot and dollar icon.

**Body (below table)**

FR-8:Not clickable “Promo:” and entry field to write in a promo code and button “Apply” to fix it.

FR-9:Not clickable: total, discount, discount price. The system counts itself.

FR-10:Buttons “checkout” (for a guest), “fast checkout” (for a user), “continue shopping”.

1. Non-functional requirements

NFR-1: Country and consumers: United States of America (local time), citizens and residents;

NFR-2: Currency: US Dollar;

NFR-3: Language: American English;

NFR-4: Maximum number of people working concurrently with the shopping cart: 5000 guests or/and users;

NFR-5: The application is developed for the next browsers (latest versions): Safari; Google Chrome; Mozilla Firefox; Microsoft Edge.