**«BA and work with requirements»**

**Home Task**

Deadline – 20/09/2018

1. **Correct the following requirements and describe issues that will be found.**

“Daily Threshold represents the $ limit for all orders that has been submitted within current day. Day is considered as calendar day that starts at the midnight by our time. In case total of purchase within one day is more, than Threshold value, then the Daily Thresholds is considered as exceeded.

For example: Daily Threshold is set $100.

First Order with 50$ total submitted at 00:00:00 on the 17th of September. The second with 50 order submitted 5:20:23PM the same date with €50 total, then Threshold is exceeded”.

1. “Daily Threshold” – How does this value set?
2. “the $ limit” - What does $ limit mean?
3. “by our time” - What time is considered ours?
4. “total of purchase” - Is it about one purchase or for all purchases per day?
5. If Daily Thresholds is exceeded, then what should happen?
6. In which currency is the Daily Threshold set?
7. What is the exchange rate for the conversion of the order amount?
8. What is the range for setting the Daily Threshold?

“The user can add the Daily Threshold to his account in the range of 0 to 100.000 dollars (Optional). Daily Threshold represents the monetary limit (in dollars) for all orders that has been received within the current day. Day is considered as a calendar day that starts at the midnight by Greenwich Mean Time. In case of total of purchases in dollar terms, within one day is more than Threshold value, then the Daily Thresholds is considered as exceeded. If Daily Thresholds is used, the user will receive an informational message with the text: "Your Daily Threshold is exceeded. If you'd like to make payment please change your Daily Threshold. "”

1. **Create possible verifications to the following requirements:**

“An online application charges customers to ship purchased items, based on the following criteria:

* Standard shipping cost for 1-5 items;
* Shipping is 5$ for 6 – 9 items
* Special shipping cost 2% for 10 – 15 items”

|  |  |
| --- | --- |
| ID | Summary |
| 1 | Verify that shipping cost is standard when the user orders 1 item |
| 2 | Verify that shipping cost is standard when the user orders 5 items |
| 3 | Verify that shipping cost is 5$ when the user orders 6 items |
| 4 | Verify that shipping cost is 5$ when the user orders 9 items |
| 5 | Verify that shipping discount is 2% when the user orders 10 items |
| 6 | Verify that shipping discount is 2% when the user orders 15 items |

1. **Create all possible functional Test Cases to verification the following User Story. Propose the list of verification/test cases that will be included to the Regression testing.**

**TEST USER STORY**

**US 001 - Language/store parameters in URLs**

**Description:**

**As a** user

**I want to** see language-store parameter in URL on all site

**So that** I can send a link to a specific store to my mate

**Functional Requirements:**

The user makes a request to the page with valid language parameters in the URL.

**General**

Taking into account oncoming localization functionality and difficulties in generating a link to a product in a specific country-store it needs to rework related functionality.

**URL Format**

[protocol]://[domain-name]/[language]/[country]/[ rest part of url ]

**Requirements**

* Language and country-store parameters are passed in URL.
* Language and country-store parameters are mandatory.
* Support backward capatibility for users already defined a country-store in the cookie value.
* Redirect rule for a Google bot should be adjusted in accordance to changes in URL format.
* Logged in user gets a detailed notification in case of an attempt to access a page out of the country defined in his profile.

**User Flow Diagram**

URL\_language\_store.pdf and Lang\_store\_1.pdf diagrams in the attachment describe cases a user access a page.

**Acceptance Criteria**

The main cases are described in the User Flow Diagram.

Only two formats should be accepted by system: "/en/us/" and "/en-gb/uk/". If URL contains only one section it is not considered as a language-store parameter.

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**Tech. Approach**

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**1. Redirect rule adjustment for the Google crawler**

 - In case URL doesn't contain a /[language]/[country]/ parameter and user agent is "Googlebot", redirect Google crawler to the default country store "en-US" (at the moment request is redirected to an intermediate page where cookie is setup and back).

**2. Implement redirects with adding Language/Country parts**

Language will be set automatically by our CMS system out of the box.

**Redirect to /lang/country/**

Update HandleCountrySelectionProcessor (for the complete use case have a look at the diagram attached)

 - Read country code from URL.

 - If there is no country code, add language/country URL parts from cookies or redirect to the Country Selection page.

 - If the URL country code is resolved, set the country code in cookies.

**3. Implement custom LinkProvider**

Links should be generated with /lang/country/ parts included.

Link provider should be updated to always add a URL part for the language. Adding a country part should be done automatically.

**4. Update Country Selector page**

 - Add "Default Language" Droplink field to "Country" template. It should allow selecting a language from "/System/Languages" folder. "en" is the default language defined in the template.

 - Update Country Selector page - URL generation logic should be changed. URLs should include language, country and originalPath, e.g. /en/US/shop/

**5. Implement processor for redirect to My Account**

 - Update the existing HandleCountrySelectionProcessor

- If user is logged in and requests a page from a different country (cookie value differs from the URL value), redirect user to ProfileInformation page with the following query parameters:

      a) originalPath - original requested URL

      b) targetCountry - target country code

**6. Implement a notification on My Account and redirect back to originalPath**

**Placeholder Settings**

Placeholder Settings on My Account pages should be updated:

- Modify "Account Main Column" placeholder settings. Add all My Account components and the created component.

**7. Rendering**

 - Create a new controller rendering in Account project. UI for the notification should be reused (green alert notification).

-Create a separate controller, view model (if needed) and a service. The business logic whether to show the message and generating the message itself should be located in the service.

 - Show message if URL contains the originalPath parameter. If targetCountry parameter equals to the current country - redirect to originalPath.

 - Notification text should be stored in a Dictionary item. The default text is "You have requested a page from {0} store but {1} is set in your profile. Please change the country on your profile in order to switch to {0} store.",

     where {0} is the name of the targetCountry

     and {1} is the name of the current country

 - Add rendering to the placeholder settings and to the page.

**Additional notes:**

-> site: ordinary shop with mandatory e-commerce functionality;

-> 'language-store' parameter means /en/us/... (en - language, us - country);

-> language-store parameter in URL should added for all site;

-> site includes: public pages (any content pages, shop, catalog, product pages, search page) + my account pages (only for logged User) + checkout pages (Basket page is available for all Users, but Checkout pages(Shipping/Billing, Additional details, Payment&Billing, Confirmation) are available only for logged User);

-> User Profile is the page in My Account that contains personal data including Country. User is able to change Country via his User Profile;

- Country Selection page is a start page of the site (without lang/store in cockie parameters), URL - [protocol]://[domain-name]/country-selection?originalItemPath=%2f

View of Country Selection page:

