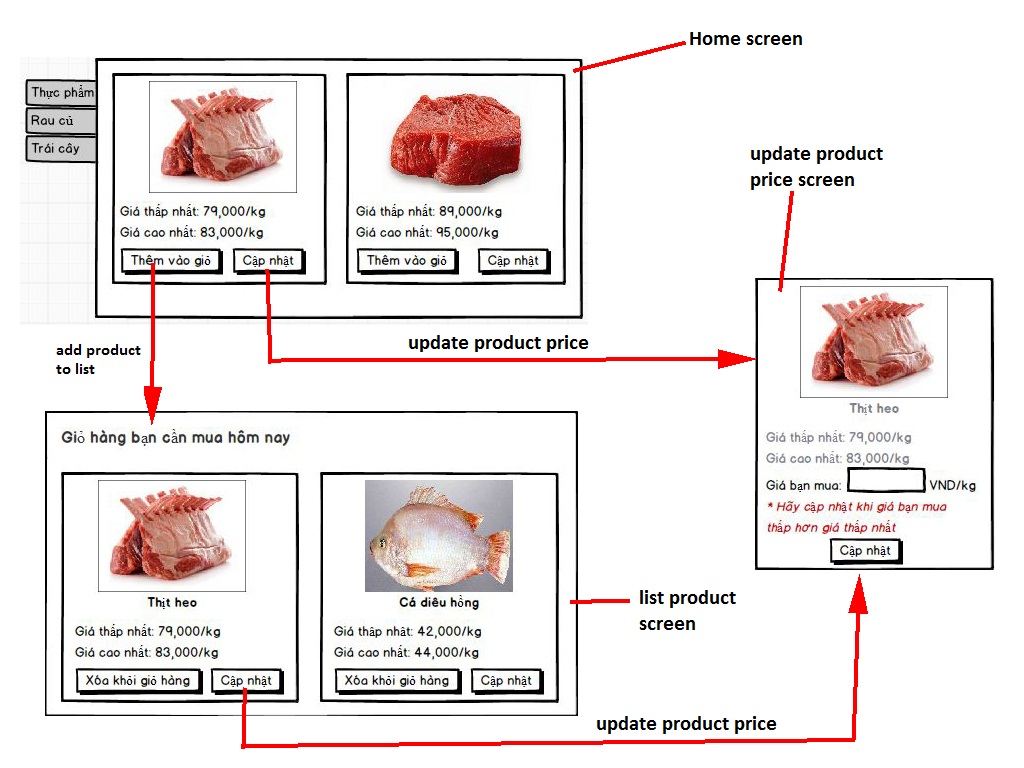
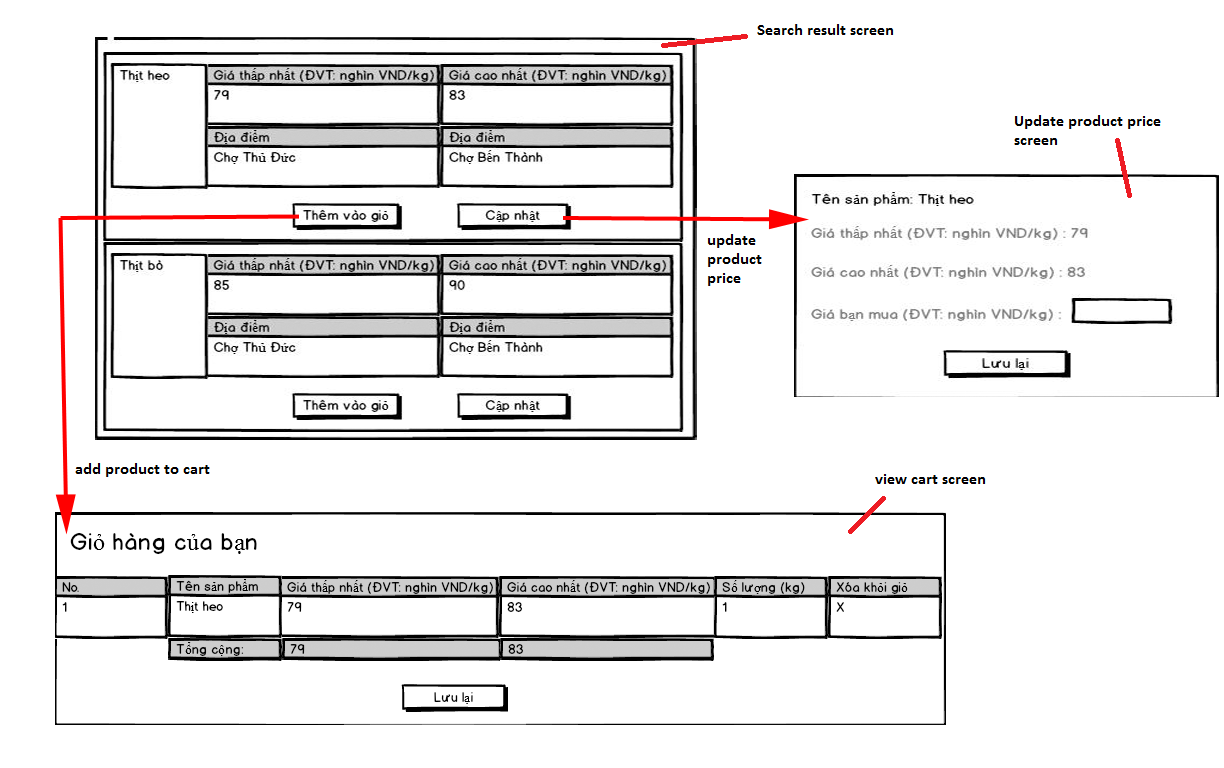
1. **Prototype**



Tại (địa điểm nào?)

Nơi mua gần nhất?

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1. **Use case diagram**
   1. Add product to cart



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE – MU001** | | | | |
| **Use-case No.** | MU001 | **Use-case Version** | | 2.0 |
| **Use-case Name** | Add product to cart | | | |
| **Author** | Dang Huu Hoang | | | |
| **Date** | 11/01/2014 | **Priority** | High | |
| **Actor:** Guest/Member  **Summary:** This use case allows guest/member to add product to cart.  **Goal:** Guest/Member uses this case to add product to cart.  **Triggers:**   * Guest/Member can add product to cart after search product. * Guest/Member clicks on “**Thêm vào giỏ**” button on each product box.   **Pre-conditions:** N/A.  **Post-conditions:**  **Success:** The product will be added to cart.  **Fail:** Product will not be added to cart. Redirect to error page.  **Main Success Scenario**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | Click on “**Thêm vào giỏ**” button on product box. [Alternative 1] | Add clicked product to cart. System still at current page. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | The product has existed in cart. | Update quantity of the product. |   **Exceptions:** N/A  **Relationships:** Search product  **Business Rules:** Maximum quantity of each product is 10. | | | | |

* 1. Save cart



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE – MU002** | | | | |
| **Use-case No.** | MU002 | **Use-case Version** | | 2.0 |
| **Use-case Name** | Save cart | | | |
| **Author** | Dang Huu Hoang | | | |
| **Date** | 17/01/2014 | **Priority** | High | |
| **Actor:** Member  **Summary:** This use case allows member to save cart.  **Goal:** Member uses this case to save cart to database.  **Triggers:**   * Member can view all products that they added to cart and save them as history. They also can update quantity or delete product. * Member clicks on “**Lưu lại**” button.   **Pre-conditions:**   * User has logged in to the system with the role is “**member**”. * There is at least one product is added to cart.   **Post-conditions:**  **Success:** Information of cart will be added to database.  **Fail:** Redirect to error page.  **Main Success Scenario**   |  |  |  | | --- | --- | --- | | **Step** | **Actor Action** | **System Response** | | 1 | The member clicks on icon shopping cart on header of page. | Redirect to View cart page. It is  include table product list ,for each row:   * No. : label * Tên sản phẩm : label * Giá thấp nhất : label * Giá cao nhất : label * Số lượng : label * Tổng cộng : label * Xóa khỏi giỏ : button * Lưu lại : button | | 2 | The member clicks “**Lưu lại**” button | Create new cart to database |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:** N/A  **Business Rules:** Maximum quantity of each product is 10. | | | | |

* 1. Update product price



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **USE CASE – MU003** | | | | |
| Use-case No. | MU003 | Use-case Version | | 2.0 |
| Use-case Name | Update product price | | | |
| Author | Dang Huu Hoang | | | |
| Date | 11/01/2014 | Priority | High | |
| **Actor:** Member  **Summary:** This use case allows member to update product price.  **Goal:** Update new product price to database.  **Triggers:**   * Member can update new product price. * Member clicks on “**Cập nhật**” button on each product box.   **Pre-conditions:** User has logged in to the system with the role is “**member**”.  **Post-conditions:**  **Success:** Product price will be updated.  **Fail:** Show error message.  Main Success Scenario   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Click on “**Cập nhật**” button on product box | Redirect to Product Details page with:   * Tên sản phẩm : label * Giá thấp nhất : label * Giá cao nhất : label * Giá bạn mua : text box (value: integer) * Lưu lại : button | | 2 | Edit product price, click “Lưu lại” button. [Alternative 1; Exception 1] | Updates new product price to the database and show message “**Cảm ơn bạn đã đề xuất giá**”. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | Price is out of range. | Show message “**Cảm ơn bạn đã đề xuất giá**”. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | Price is not a valid number. | Show error “**Giá sản phẩm phải là số**”. |   **Relationships:** Login.  **Business Rules:**   * Range of product price is from minimum price minus accepted range to maximum price plus accepted range. * Accepted range is equal epsilon multiply average of product price. * Epsilon is a number that setting by staff. | | | | |

Note:

1. **Business Rules** của MU003 phù hợp chưa?
2. Chưa có entity CartHistory
3. Có cần use case viewcart (tại vì guest có thể xem lại ??)
4. Có cần category? (cá, thịt, rau củ)