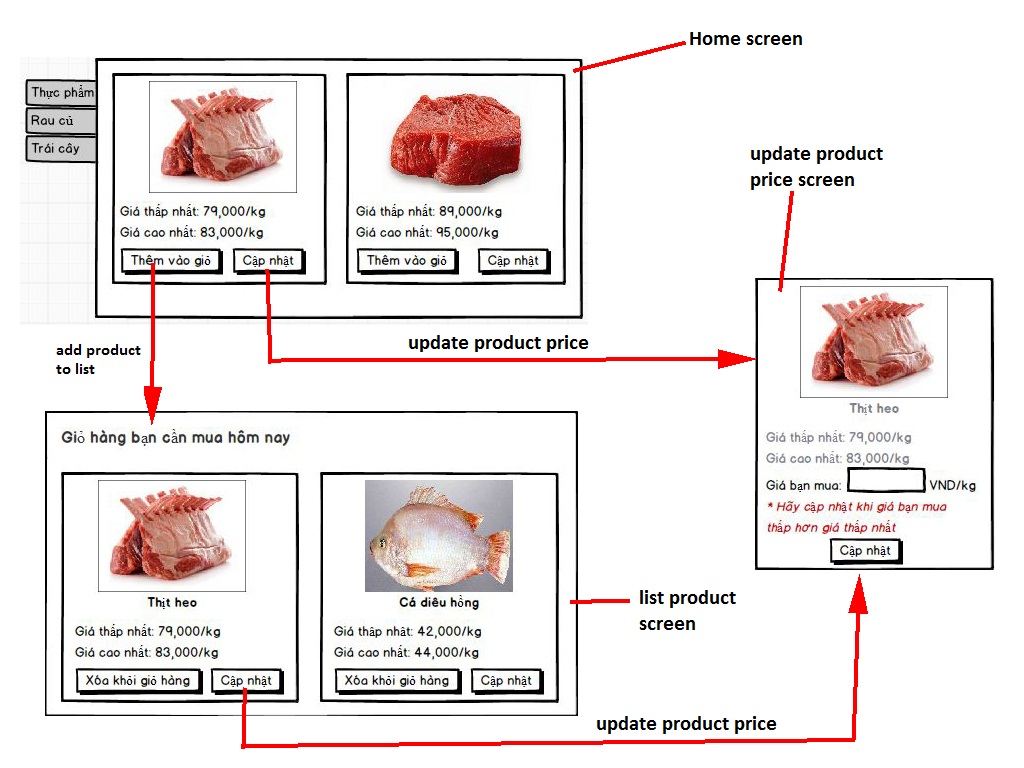
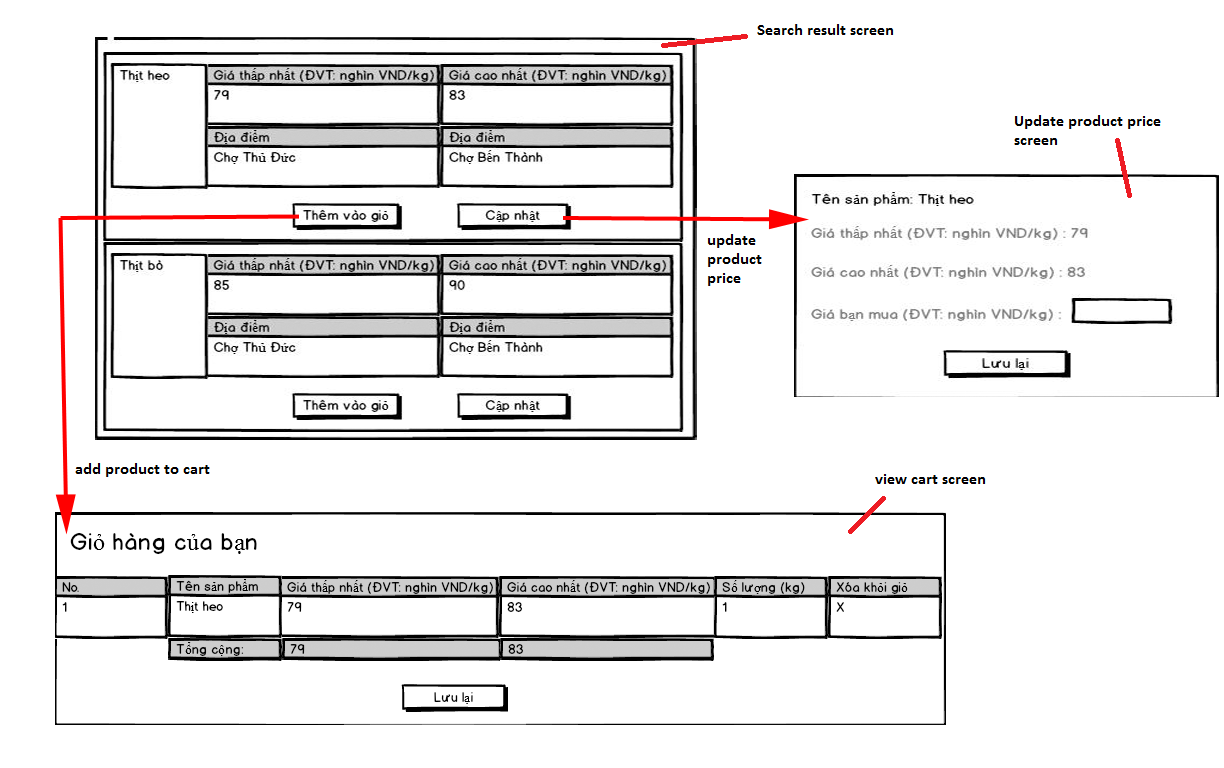
1. **Prototype**



Tại (địa điểm nào?)

Nơi mua gần nhất?

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



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| **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. | Add clicked product to cart. System uses a session to store this cart. System still at current page. [Alternative 1]; [Exception 1] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | The product has existed in cart. | Update quantity of the product. System still at current page. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | Session time out. | Cart becomes empty. |   **Relationships:** Search product.  **Business Rules:** Maximum quantity of each product is 10. | | | | |

* 1. Save cart



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| **USE CASE – MU002** | | | | |
| **Use-case No.** | MU002 | **Use-case Version** | | 2.0 |
| **Use-case Name** | Save buying history | | | |
| **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 their cart to database.  **Triggers:**   * Member can save their cart. * Member on view cart page. * 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 “**Lưu lại**” button on View cart page. | Add new cart to database and show message “**Giỏ hàng trong ngày hôm nay đã được lưu lại**”. [Alternative 1] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | The cart has existed in database. | Update cart to database and show message “**Giỏ hàng trong ngày hôm nay đã được lưu lại**”. |   **Exceptions:** N/A  **Relationships:** Add product to cart, View cart.  **Business Rules:** Cart is saved by day. | | | | |

* 1. Promote product price



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| **USE CASE – MU003** | | | | |
| Use-case No. | MU003 | Use-case Version | | 2.0 |
| Use-case Name | Promote product price | | | |
| Author | Dang Huu Hoang | | | |
| Date | 11/01/2014 | Priority | High | |
| **Actor:** Member  **Summary:** This use case allows member to promote 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 (min length : 1, max length : 4) * Lưu lại : button | | 2 | Edit product price, click “Lưu lại” button. | Updates new product price to the database and show message “**Cảm ơn bạn đã đề xuất giá, hệ thống sẽ xử lý và cập nhật**”. [Alternative 1; Exception 1, 2] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | Price is out of range. | Show message “**Cảm ơn bạn đã đề xuất giá, hệ thống sẽ xử lý và cập nhật**”. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | Price is not a positive number. | Show error “**Giá không phù hợp**”. | | 2 | Price’s length is not in range. | Show error “**Giá không phù hợp**”. |   **Relationships:** Login, search product.  **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 price of products. * Epsilon is a number that setting by staff. | | | | |