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** | Pham Hong Sang | | | |
| **Date** | 27/5/2014 | **Priority** | High | |
| **Actor:** Guest/Member  **Summary:** This use case allows guest/member to add product to cart.  **Goal:** A product will be added to guest/member’s cart.  **Triggers:**   * Guest/Member can add product to cart after search product or add to cart from homepage. * Guest/Member clicks on cart icon button on each result row.   **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 cart icon button on result row. | * Check for the existence of the cart object in session [Exception 1]. * Add clicked product to cart [Alternative 1]. * Notify user. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | The product has existed in cart. | Disable that product, don’t allow user add to cart again. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | **No.** | **Actor Action** | **System Response** | | 1 | Session time out. | * Create new cart object in session. * Add clicked product to cart. * Notify user. |   **Relationships:** Search product.  **Business Rules:**  Maximum size of cart is 3. | | | | |