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| --- | --- | --- | --- | --- | --- |
| Use Case ID |  | | | | |
| Use Case Name | Update product | | | | |
| Created By | Nut | | Last Update By | Nut | |
| Date Created | 2/15/2018 | | Last Revision Date | - | |
| Actors | Employee | | | | |
| Description | Allow employee to update product details | | | | |
| Trigger | Update option is clicked | | | | |
| Preconditions | Product is selected and the update option is clicked | | | | |
| Use Case Input Specification | | | | | |
| Input | type | Constraint | | | Example |
| Product id | String | Only maximum of 5 characters starting with ‘p’ follow by numeric only. There must not be any duplicate Id. | | | P1234 |
| Product name | String | 15 characters maximum with no space in between | | | Magnum |
| Product description | String | 150 characters limit | | |  |
| Product quantity | Int | Must be positive integer | | | 50 |
| Product price | Double | Positive decimal number | | | 12.50 |
| Post conditions | The system updates product details | | | | |
| Normal Flows | User | | System | | |
|  | 1.User select product then clicks update information  3.User input the information and submit the update. | | 2.System redirects to the product information update page  4.System verify the input [A1 : Product id is invalid]  [A2 : Product name is invalid]  [A3 : Product description is invalid]  [A4 : Product quantity is invalid]  [A5 : Product price is invalid]  5.System updates the information in the database [E1 : Product price is invalid] | | |
| Alternative Flow | [A1]. Product id is invalid   1. The system notifies the user with “The product id is not valid” 2. System terminates   [A2]. Product name is invalid   1. The system notifies the user with “The product name is not valid” 2. System terminates   [A3]. Product description is invalid   1. The system notifies the user with “The product description is not valid” 2. System terminates   [A4]. Product quantity is invalid   1. The system notifies the user with “The product quantity is not valid” 2. System terminates   [A5]. Product price is invalid   1. The system notifies the user with “The product price is not valid” 2. System terminates | | | | |
| Exception Flow | [E1]. Database cannot be connected   1. System display error “Sorry, the database cannot be connected” 2. System terminates. | | | | |
| Assumption | User has authority to update product.  The User knows the standard form for each input field | | | | |