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Comp 3700

11/20/2019

Project 2 Design Document

“Adding a new product into the system” common use case:

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| **Actor** | **System** |
| 1. Choose command "Manage Product"     Main Screen: | 2. Display "Manage Product" screen    "Manage Product" screen: |
| 3. Input data then click “Save” button    “Manage Product” screen with data: | 4. Hide “Manage Product” screen and display “Saved Product Successfully” screen    “Save Product Successfully” screen: |
| 5. Click on “Ok” button: | Display “Main” screen: |

“Changing Product Price” common use case:

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| **Actor** | **System** |
| 1. Choose command "Manage Product"     Main Screen: | 2. Display "Manage Product" screen    " Manage Product" screen: |
| 3. Input ProductID then click “load” button    “Manage Product” screen with ProductID: | 4. Display the data of the given product    “Manage Product” screen: |
| 5. Change product price and click “Save”:  “Manage Product” screen: | 6. Hide “Manage Product” screen and display “Saved Product Successfully” screen  “Save Product Successfully” screen: |
| Click on “Ok” button: | Display “Main” screen: |

“Adding a new customer into the system” common use case:

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| **Actor** | **System** |
| 1. Choose command "Manage Customer"   Main Screen: | 2. Display " Manage Customer" screen  " Manage Customer" screen: |
| 3. Input data then click “Save” button  “Manage Customer” screen with data: | 4. Hide “Manage Customer” screen and display “Customer Saved Successfully” screen  “Customer Saved Successfully” screen: |
| 5. Click on “Ok” button: | Display “Main” screen: |

“Changing Customer Address” common use case:

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| **Actor** | **System** |
| 1. Choose command "Manage Customer"   Main Screen: | 2. Display "Manage Customer" screen  " Manage Customer" screen: |
| 3. Input CustomerID then click “load” button  “Manage Customer” screen with CustomerID: | 4. Display the data of the given Customer  “Manage Customer” screen: |
| 5. Change Customer address and click “Save”:  “Manage Customer” screen: | 6. Hide “Manage Customer” screen and display “Customer Saved Successfully” screen  “Customer Save Successfully” screen: |
| Click on “Ok” button: | Display “Main” screen: |

“Add a new purchase into the system” common use case:

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| **Actor** | **System** |
| 1. Choose command "Manage Purchase"     Main Screen: | 2. Display " Manage Purchase" screen    " Manage Purchase" screen: |
| 3. Input data then click “Save” button    “Manage Purchase” screen with data: | 4. Hide “Manage Purchase” screen and display “Purchase Saved Successfully” screen    “Purchase Saved Successfully” screen: |
| 5. Click on “Ok” button: | Display “Main” screen: |

“Changing Purchase Quantity” common use case:

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| --- | --- |
| **Actor** | **System** |
| 1. Choose command "Manage Purchase"   Main Screen: | 2. Display "Manage Purchase" screen  " Manage Purchase " screen: |
| 3. Input PurchaseID then click “load” button  “Manage Purchase” screen with PurchaseID: | 4. Display the data of the given Purchase  “Manage Purchase” screen: |
| 5. Change Purchase quantity and click “Save”:  “Manage Purchase” screen: | 6. Hide “Manage Purchase” screen and display “Purchase Saved Successfully” screen  “Purchase Saved Successfully” screen: |

Entity-Relationship Diagram:

A close up of a map

Description automatically generated