***Use-Case Specification***

***List of Actors***

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| **No.** | **Actors** | **Comment** |
| **1** | **Admin** | *Manage all Account and Product* |
| **2** | **Inventory Management** | *Manage Inventory* |
| **3** | **Sales Management** | *Manage Sales* |
| **4** | **Sales Person** | *Sales Products* |

***List of Use-Case***

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| --- | --- | --- |
| **No.** | **Use-Case** | **Comment** |
| **1** | **Login** | *Users Logged into the system* |
| **2** | **Logout** | *Users exit the system* |
| **3** | **Add User** | *Add a User in User list* |
| **4** | **Add Product** | *Add a Product in Product list* |
| **5** | **Add Category** | *Add a Category Product in Category list* |
| **6** | **Add return Product** | *Add a return Product* |
| **7** | **Update User** | *Update information of Users* |
| **8** | **Update Product** | *Update detail of Product* |
| **9** | **Update Bill** | *Update Bill* |
| **10** | **View all Statistics** | *Detail of Inventory* |
| **11** | **View Help** | *View Help of the program* |
| **12** | **Delete Bill** | *Delete a bill* |
| **13** | **Search User** | *Find User based on user name* |
| **14** | **Search Product** | *Find Product based on Product ID ,Product name or category* |
| **15** | **Search Bill** | *Find Bill based on date bill* |
| **16** | **Search Sales Person** | *Find Sales Person based on Sales Person name* |
| **17** | **Check Money** | *Detail Money* |
| **18** | **Check Bill** | *Detail Bill* |
| **19** | **Check return Product** | *Detail a return Product* |
| **20** | **Create Bill** | *Add a bill* |
| **21** | **Generate Sales-trends graphs** |  |
| **22** | **Generate Inventory reports** |  |
| **23** | **Generate Inventory-trends** |  |
| **24** | **Validate the Inventory** |  |
| **25** | **Change the price of an product** | *Update the price of an product in product list* |
| **26** | **Edit Information** |  |

***Description***

***Login***

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| --- | --- |
| **Use Case** | **Login** |
| **Summary :** | *Function “Login” allows user login to system with corresponding powers* |
| **Major Events :** | *Step 1 :* *When user start application form login will be displayed*  *Step 2 : User enter their Username and Password*  *Step 3 : Press button “Login” program will check Username and Password in database.*  *Step 4 : If exist program will display a confirmation message “Login Successful”*  *Else program will display a confirmation message “Login Failed”*  *Step 5 : User press button “Exit” to exit this form* |
| **Orther Events :** |  |

***Logout***

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| **Use Case** | **Logout** |
| **Summary :** | *Function “Logout” help user logout the program* |
| **Major Events :** | *Step 1 : When user want to sign out click “Logout” on the program interface*  *Step 2 : Program will display a confirmation message “Do you want to sign out ?”*  *Step 3 : If click “Yes” user will exit program and disconnect with database*  *If click “No” user will turn back application interface* |
| **Orther Events :** |  |

***Edit Information***

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| --- | --- |
| **Use Case** | **Edit Information** |
| **Summary :** | *Function “Edit Information” help user edit the detail of user* |
| **Major Events :** | *Step 1 : Login*  *Step 2 : Click on button “Edit Information”*  *Step 3 : When user start application form detail will be displayed*  *Step 4 : User edit the personal detail and click button “Edit”*  *Step 5 : User press button “Exit” to exit this form* |
| **Orther Evenets :** |  |

***Add User***

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| --- | --- |
| **Use Case** | **Add User** |
| **Summary :** | *Function “Add User” help user add an user to the list of user* |
| **Major Events :** | *Step 1 : Click on tab “List user”*  *Step 2 : Press button “Add User”*  *Step 3 : “Form Add User” will be displayed. User enter information of user and press button “Add”*  *Step 4 :Program will display a confirmation message “Do you want to add user ?”*  *Step 5 : If click “OK” user will be added into database and display in add user list*  *If click “No” “Form Add User” will exit* |
| **Orther Events :** |  |

***Add Product***

|  |  |
| --- | --- |
| **Use Case** | **Add Product** |
| **Summary :** | *Function “Add Product” help user add a product and detail of this product into product list* |
| **Major Events :** | *Step 1: In tab “Product list” user can view product list*  *Step 2 :Press button “Add Product” “Form Add Product” will be displayed*  *Step 3 : User enter information of product into this form and press button “Add”*  *Step 4 :Program will display a confirmation message “Do you want to add this product ?”*  *Step 5 : If click “Yes” product will be added into database and display in product list*  *If click “No” form Add product will exit* |
| **Orther Events** |  |

***Add Category***

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| --- | --- |
| **Use Case** | **Add Category** |
| **Summary :** | *Function “Add Category” help users add product and information of product on the category list* |
| **Major Events :** | *Step 1 : In the tab “ Category list” user can view a list of category*  *Step 2 : If user want to add a certain category click button “Add Category” then the “ Add Category Form” will appear on the screen*  *Step 3 : Users enter information into the form “Add Category”*  *Step 4 : When user entered all information of category users click button “Add”*  *Step 5 : The program will display a confirmation message “ Do you want to add this category ? ”*  *Step 6 : Click “Yes” the category will be Added to the database and will be displayed on application*  *Or click “No” the form will exit* |
| **Orther Events :** |  |

***Update User***

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| --- | --- |
| **Use Case** | **Update User** |
| **Summary :** | *Function “Update User” help user update information of user* |
| **Major Events :** | *Step 1 :Click on tab “ User list”*  *Step 2 : Select a record to update then click button “Update User”*  *Step 3 : “Form Update User” will display on screen and then update information of User*  *Step 4 :Press button “Update” Program will display a confirmation message “Do you want to update this user ?”*  *Step 5 : If click “OK” detail of user will update in database and display in user list*  *If click “No” “Form Update User” will exit* |
| **Orther Events :** |  |

***Update Product***

|  |  |
| --- | --- |
| **Use Case** | **Update Product** |
| **Summary :** | *Function “Update Product” help user update information of product* |
| **Major Events :** | *Step 1 :Click on tab “Product list” user can view product list*  *Step 2 : Select a record to update then click button “Update Product” to update information of product*  *Step 3 : “Form Update Product” will display on screen and then update information of product*  *Step 4 :Press button “Update” Program will display a confirmation message “Do you want to update this product ?”*  *Step 5 : If click “OK” detail of product will update in database and display in product list*  *If click “No” “Form Update Product” will exit* |
| **Orther Events :** |  |

***Search User***

|  |  |
| --- | --- |
| **Use Case** | **Search User** |
| **Summary :** | *Search User* |
| **Major Event :** | *Step 1 : Click on tab “User list”*  *Step 2 : Enter “UserName” of User then press button “Search”*  *Step 3 : Program will check this user in database*  *Step 4 : If exist program will display detail of user*  *Else program will display a confirmation message “No user in this user list”* |
| **Orther Event :** |  |

***Search Product***

|  |  |
| --- | --- |
| **Use Case** | **Search Product** |
| **Summary :** | *Search information of Product* |
| **Major Events :** | *Step 1: Click on tab “Product List”*  *Step 2 : Enter ID and name,select category of product and press button “Search”*  *Step 3: Program will check in database*  *Step 4 : If exist program will display this Product*  *Else Program will display a confirmation message “No product in product List ?”* |
| **Orther Events :** |  |

***Search Sales Person***

|  |  |
| --- | --- |
| **Use Case** | **Search Sales PerSon** |
| **Summary :** | *Search information of Sales Person* |
| **Major Events :** | *Step 1 : Click on tab “Sales Person list”*  *Step 2 : Enter name of Sales Person and press button “Search”*  *Step 3 : Program will check in database*  *Step 4 : If exist program will display detail of Sales Person*  *Else program will display a confirmation message “No Sales Person in this Sales Person list”* |
| **Orther Events :** |  |

***Search Bill***

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| --- | --- |
| **Use Case** | **Search Bill** |
| **Summary :** | *Search information of Bill* |
| **Major Events :** | *Step 1 : Click on tab “ Bill List”*  *Step 2 : Enter Date of bill and press button “Search”*  *Step 3 : Program will check in database*  *Step 4 : If exist program will display detail of Bill*  *Else program will display a confirmation message “No Bill in this Bill list”* |
| **Orther Events :** |  |

***Check Bill***

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| --- | --- |
| **Use Case** | **Check Bill** |
| **Summary :** | *Search information of Bill* |
| **Major Events :** | *Step 1 : Chose “Bill” on the check list*  *Step 2 : Enter Date you want to check and press button “check”*  *Step 3 : Program will check in database*  *Step 4 : If exist the information will display*  *Else program will display error message* |
| **Orther Events :** |  |

***Check Money***

|  |  |
| --- | --- |
| **Use Case** | **Check Money** |
| **Summary :** | *Search information of Money* |
| **Major Events :** | *Step 1 : Chose “Money” on the check list*  *Step 2 : Enter Date you want to check and press button “check”*  *Step 3 : Program will check in database*  *Step 4 : If exist the information will display*  *Else program will display error message* |
| **Orther Events :** |  |

***Check Return Product***

|  |  |
| --- | --- |
| **Use Case** | **Check Return Product** |
| **Summary :** | *Search information of return product* |
| **Major Events :** | *Step 1 : Chose “Money” on the check list*  *Step 2 : Enter Date you want to check and press button “check”*  *Step 3 : Program will check in database*  *Step 4 : If exist the information will display*  *Else program will display error message* |
| **Orther Events :** |  |

***Create Bill***

|  |  |
| --- | --- |
| **Use Case** | **Create Bill** |
| **Summary :** | *Create a new Bill* |
| **Major Events :** | *Step 1 : Click on button “ Create Bill”*  *Step 2 : Enter Details of bill and press button “Create”*  *Step 3 : Program will insert in database*  *Step 4 : If exist program will display detail of Bill*  *Else program will display a confirmation message “Create Bill Error”* |
| **Orther Events :** |  |

***Validate the Inventory***

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| --- | --- |
| **Use Case** | **Validate the Inventory** |
| **Summary :** | *Validate the Inventory* |
| **Major Events :** | *Step 1 : Click on button “ View Inventory”*  *Step 2 : Program will display information of inventory* |
| **Orther Events :** |  |