**Marvel E-Store Problem Description:**

Marvel E-Store allows user to order products online. The new user has to create a new account. The new user has to enter the details in the Account Information Screen. The users are validated by the system. The users can also update the account information by clicking on “Update Account Information” on the website. They can also delete their account from the website. The user can order products and for billing purpose The system displays the Cart Screen with all the old items with the newly added item. The subtotal field displays the total cost of the shopping cart. The administrator has the rights to add new item and modify new items in the database records.

**Functional Requirements**

## FR1: Explore Catalog

*FR1.1: Browse Catalog*

Customer opens a web browser, gives the URL for the ‘Marvel e-store’ website in, clicks on ‘Go’ button. System launches the web site. Customer clicks on any product link in the ‘Product’ list given in top-left corner. If product link in the ‘Product’ list given in top-left corner is not available then system asks user to refresh the page. System displays ‘Category Screen’ with the products available for the category chosen in Step 3. User clicks on any product link in ‘Products for this Category’ list. System displays ‘Product Screen’ with list of all of the items for the product chosen in Step 5 along with the price of each item , a link labeled ‘Add to Cart’ in right column of the list. User clicks on any item link in ‘Items for this Product’ list. System displays ‘Item Screen’ for the item chosen , adds to ‘Add to Cart’ link.

## FR1.2: Search catalog

Customer opens a web browser, gives the URL for the ‘Marvel e-store’ website in, clicks on ‘Go’ button. System launches the web site. Customer enters text in text box next to Search button, clicks on Search button. If search returns no results, then the System displays the message “No matches found for the entered text”. System displays the matching text products. Customer clicks on the desired link.

***FR2: Maintain Account***

*FR2.1: Create New Account*

E-store website main page must be loaded. The new user clicks on new 'create new Account link'. The user is at Account Information screen. The new use enters the details in the Account Information Screen. The user clicks on Update information. The system validates all the user information, displays the signing information page. User enters the new Username with Password. System validates that the Username is in use. If not, then the system displays the new account confirmation page. System sends an e-mail notification about new account creation to User.

## FR2.2: Update Account Information

E-store website main page must be loaded. Customer Clicks on the Sign in Link. System displays the sign In screen. Customer enters the Username with Password. System displays the Account Information Page. Customer can click on the ''update Account'' link. Customer is at Modifiable Account Information Page. Customer modifies the account information, exits the page by clicking on “Finish”. System displays the confirmation message “Account Information is updated”

*FR2.3: Cancel Account*

E-store website main page must be loaded. Customer Clicks on the Sign in Link. System displays the sign In screen. Customer enters the Username with Password. System displays the Account Information Page. Customer clicks on the ''Cancel Account'' link. System displays the confirmation message “Account deleted”. System sends an e-mail to user confirming the cancellation of the account.

***FR3: Shopping Cart***

The Customer is on the Cart Screen, must have already logged in. The Customer clicks on one of the category in the left frame of the screen, navigates to the item he wishes to add to the cart by clicking on the “Add to Cart” link. If the Customer enters a non-positive or non-integer quantity then the system displays an appropriate error message. The system displays the Cart Screen with all the old items with the newly added item. The subtotal field displays the total cost of the shopping cart. The Customer repeats steps 3 and 4 for all the items he wants to add to the cart. The Customer modifies the item quantity for one or multiple items, clicks “Update Cart”. The system updates the new quantity , displays the modified line item totals , sub-total to the user. The Customer clicks the “Remove” link to remove any of the items in the cart. The system deletes the item from the cart then adjusts the sub-total accordingly. If Customer closes the window without proceeding for payment, then the cart is stored in the system for a pre-decided number of days so that the Customer can return to the cart in the future.

***FR4: Maintain Database***

The Marvel electronic store product web page should be loaded. The admin must be logged into the system. The admin selects the “***Add new item***” option. The admin selects the appropriate category with product. The system prompts the admin to enter the item details like Item Name, Quantity Available, Price, Item Image. If the admin selects the “***Modify Existing Item***” option, then The admin either removes the item from the catalog by clicking “Remove Item” or modifies the Item Name, List Price, Quantity or Item Image ,clicks Update. The system updates the item in the selected category/product in the database.

***FR5: Apply For Financing***

Marvel E-Store page should be loaded. Customer clicks on “Financing link”. System displays the “Financing” main page. Customer clicks on ‘Apply Now’ link in the Screen. System displays the ‘Application Screen’. Customer enters the information. Customer clicks on ‘Submit’ button. System displays ‘Confirmation Application Submitted Screen’ to the Customer with the Application ID. System sends a confirmation e-mail.

***FR6: Login***

The Customer browses to the "Sign In" page. The Customer enters his/her username with password in the returning user section of the "Sign In" screen. The system validates the username, password (successfully) , displays the Customer’s account information page. If the Customer has forgotten the password then system sends a reset link to the registered email id.

