Ecommerce Project

Software Requirements Specification

2/12/2021

**Prepared for**

gcreddy

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# **1.Project Information**

Domain: Ecommerce

Sub Domain: B2C (Business to Customer)

Application: Online Shopping

Application Type: Public Web Application (Internet Application)

Development Technologies: LAMP (Linux, Apache, MySQL, PHP)

**2. Project Overview**

i. Admin Interface/Server-side (Application Master Data (Add/Edit/Delete), and Maintenance (User management, Operations management, etc,) of the application)

ii. User Interface/Clint side: To perform specified Business operations  
……………………………….

Two types of Online Shopping Applications  
Type 1: Vendor develops their own online shopping portal to sell their product  
Type 2: Some third party develops online shopping portal sell & buy products

**Admin Interface Functional features:**  
• Add / Edit/Delete Manufacturer/s  
• Add/Edit/delete Category/s  
• Add / Edit/Delete Product/s  
• Add / Edit/Delete/Set as Default Currency  
• Reports

**User Interface Functional features:**  
• View Products, Product Search, Advanced Search  
• Customer Registration, Customer Login,  
• Shopping Cart (Add Product/s, Update Quantity, Remove Product….)  
• Checkout (Change Address, Add Comments, Payment Method, Edit Details, Order Confirmation…)

**3. Stakeholders of the Project**

An individual, group, or organization, who may affect, be affected by or perceive itself to be affected by a decision or activity, or outcome of a project

Project Leader  
Senior Management  
Project Team Members  
Project Customer  
Project Testers  
Subcontractors, Consultants, etc…

**4. Interfaces of the Project/AUT**

Three Interfaces of Software Application,  
i. Admin Interface  
ii. User Interface  
iii. Database Interface

**i. Admin Interface:**  
[https://gcreddy.com/project/admin/](https://gcreddy.com/project/admin/login.php)

Username: gcreddy  
Password: Temp@2020

**2. User Interface**  
<https://gcreddy.com/project/>

**5. Features to be Tested in Admin Interface**

i.Launch Application  
ii. Login to Admin Interface of the Application  
iii. Redirecting Operation from Admin to User Interface  
iv. Add /Edit/Delete Manufacturer  
v. Add /Edit/Delete Category  
vi. Add /Edit/Delete Product  
vii. Add /Edit/Delete/Set as Default Currency  
viii. Reports (User, product etc…)

**6. Features to be tested in user Interface**

i. Launch Application  
ii. View Product/s  
iii. Search Products/s  
iv. Advanced Search  
v. Customer Registration  
vi. Customer Login  
vii. Buy Product/s (Login, choose product/s, Update Quantity, Delete Product/s, Change Details, Select Payment Option, Checkout…)  
viii. Track Order status…

**Business Flow/s of the User Interface**

i. Launch Application + View Products + Search Product/s….  
ii. Launch Application + Registration + Login…  
iii. Launch Application + Login + Buy product/s  
iv. Launch Application + View Products + Buy Product/s + Login /Register…  
v. Launch Application + Login + Buy product/s (Choose product/s, Choose Quantity, Change Details, Select Payment Option, Checkout…) Etc…

**7. Derive Sanity Test Scenarios for Admin Interface**

i. Launch Application  
ii. Verify required elements availability in the admin interface home page/login page  
iii. Verify Admin Login with valid username and password  
iv. Verify required elements availability on the Index page  
v. Add Manufacturer  
vi. Add Category  
vii. Add Product  
viii. Add Currency  
Etc…

**8. Derive Sanity Test Scenarios for User Interface**

i. Verify the Launch of User Interface with valid url  
ii. Verify required elements availability in the home page  
iii. Verify Customer Registration with valid data  
iv. Verify Customer Login  
v. Verify Shopping Cart  
vi. Verify Checkout  
vii. Verify Log Off

**9. Derive Comprehensive (All Possible) Test Cases for Admin Interface**

i. Verify Launch Application with valid URL  
ii. Verify all elements availability in the Admin interface home page/login page  
iii. Verify “Redirect” functionality from Admin to User Interface before Login  
iii. Verify Admin Login with valid username and Password  
iv. Verify Admin Login with invalid Username and valid Password  
v. Verify Admin Login with Valid Username and Invalid password  
vi. Verify Admin Login with invalid Username and invalid password  
vii. Verify Admin Login with Username Blank and Valid password  
viii. Verify Admin Login with Valid Username and password blank  
ix. Verify Admin Login with Username and Password Blank  
x. Verify Admin Login Locking functionality  
xi. Verify all elements available on the Index page  
xii. Verify “Redirect” functionality from Admin to User Interface after Login  
xiii. Add Manufacturer  
xiv. Edit Manufacturer  
xv. Delete Manufacturer  
xvi. Add Category  
xvii. Edit Category  
xviii. Delete Category  
xix. Add Product  
xx. Edit Product  
xxi. Delete Product  
xxii. Move Product  
xxiii. Add Currency  
xxiv. Edit Currency  
xxv. Delete Currency  
xxvi. Set Default Currency  
xxvii. Verify Customer Report  
xxviii. Verify Product Report  
xxix. Verify “Logoff”

**10. Derive Comprehensive (All Possible) Test Cases for User Interface**

i. Verify the Launch of User Interface with valid URL  
ii. Verify all elements available on the home page  
Verify Customer Registration with valid data  
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Verify Customer Login with valid Email Address and Password  
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Verify Shopping Cart  
Verify “Shopping Cart” before selecting any product  
Verify “Shopping Cart” after selecting a product  
Verify “Shopping Cart” by adding multiple products  
Verify “Shopping Cart” by Updating Product/s Quantity  
Verify “Shopping Cart” by Removing Product/s  
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Verify Checkout before selecting any product  
Verify Checkout after selecting a product and before Login  
Verify Checkout after selecting a product and after Login  
Verify “Chang Address” in “Checkout” Process  
Verify “Add Comment  
Verify “Payment Option”  
Verify “Order Confirmation”  
Verify “Logoff”