**Opencart Project:**

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| **Project Name** | ONLINE SHOPPING WEBSITE MANAGEMENT SYSTEM PROJECT |
| **Domain** | eCommerce |
| **Description** | eCommerce Store is an ecommerce software Online Shopping Application, It organizes Online Shopping business operations like product promotions, selling products, and shipping goods etc. It has two interfaces, One is Admin interface, provides features like Adding / Editing / Deleting Customers, Vendors, Products, User management and generating Reports. Another interface is User Interface, provides features like User registration, Search products, Products Display, add to shopping cart, payments for Products and Buying products etc. |
| **Modules** | 1. Registration Module 2. Products Browse Module 3. Products Search Module 4. Shopping cart Module 5. Shipping & Billing Module 6. Payment Module 7. Admin User Management Module 8. Admin Catalog Management Module 9. Admin Order Management Module |
| **Team Size** | 5 |
| **Duration** | 2016 to 2018 |
| **Environment/Tools** | PHP, JavaScript, Web Server (Apache), MySQL |
| **Testing Tools** | Java and Selenium Web Driver (GUI Functional Automation Testing),  Postman & RestAssured (API Testing)  Other tools: TestNG, Cucumber, Maven, Jenkins, Git |
| **Role** | Automation Engineer- QA |

**Roles & Responsibilities**

* Involved in designing Test cases and Test Plan.
* Testing Approach: Manual and Automated
* Executing Tests and analyzing results as per client requirements.
* Detecting the bugs and classifying them based on the severity and reporting.
* Involved in Web Testing (Functional)using Selenium WebDriver.
* Involved in API Testing with Postman Tool.
* Regression testing performed on every new build of the application.
* Reporting the Coverage status of test performed on the daily/weekly basis.
* Attended Project meetings and interacted with other team members in order to resolve the problems.
* Wrote test scripts and test cases to meet assigned requirements
* Tracked the status of defects and provided a status report during daily meetings
* Prepared and executed functional and regression testing
* Created and executed test cases, logged and assigned defects, and kept track of the defect status
* Selenium Test Environment Setup (Maven Integration, Selenium WebDriver, Java, TestNG and Jenkins Integration…)
* Inspecting Elements, Create Test Cases using Element locators and Selenium WebDriver Commands.
* Involved in writing Page Object Classes, test scripts and creating utilities using Java & Selenium WebDriver.
* Debugging and Running Automation Test script.
* Created, Organized and managed Test Automation Resources.
* Communicated with the project management team and QA Lead to resolve defects
* Logged both test results and bug reports.
* Actively participated in QA team meetings and UAT meetings
* Worked in Agile testing methodology

**GUI Tests:**

**Tested below scenarios in the application (Frontend)**

* Validate the working of Register Account functionality
* Validate the working of Login functionality
* Validate the working of Logout functionality
* Validate the working of Forgot Password functionality
* Validate the working of Search functionality
* Validate the working of Product Compare functionality
* Validate the Product Display Page functionality for the different types of Products
* Validate the working of 'Add to Cart' functionality
* Validate the working of 'Wish List' functionality
* Validate the working of 'Shopping Cart' functionality
* Validate the working of Home Page functionality
* Validate the working of Checkout functionality
* Validate the My Account functionality
* Validate the working of My Account > Account Information functionality
* Validate the working of My Account > 'Change Password' functionality
* Validate the working of My Account > 'Address Book' functionality
* Validate the working of My Orders > 'Order History' functionality
* Validate the working of My Orders > 'Order Information' functionality
* Validate the working of My Orders > 'Product Returns' functionality
* Validate the working of My Orders > 'Downloads' functionality
* Validate the working of My Orders > 'Reward Points' functionality
* Validate the working of My Orders > 'Returned Requests' functionality
* Validate the working of My Orders > 'Your Transactions' functionality
* Validate the working of My Orders > 'Recurring Payments' functionality
* Validate the working of 'Affiliate' functionality
* Validate the working of 'Newsletter' functionality
* Validate the working of 'Contact Us' page functionality
* Validate the working of 'Gift Certificate' page functionality
* Validate the working of 'Special Offers' page functionality
* Validate the working of 'Header' options, 'Menu' options and 'Footer' options
* Validate the complete Application functionality for different currencies

**API Tests:**

**Tested below APIs (Backend)**

**SEARCH PRODUCTS WITH REST API**

You can combine filter parameters; you only need to use the long version of API urls.

You can combine these parameters:

* limit
* page
* start
* sort (sort by name, model, quantity, rating, sort order, date\_added)
* order (order by desc or asc)
* search (search keyword, search in product name, model, sku, upc, ean, jan, isbn, mpn)
* filter\_description (set this parameter 1, then the API will search in description too)
* filters
* manufacturer (manufacturer ID)
* category (category ID)
* subcategory (subcategory ID)
* tag

**MANAGE CATEGORIES WITH REST API**

* Load categories (default 1 level)
* Load categories by depth level
* Load categories by parent ID
* Load categories by parent ID and level
* Get category details by ID

**MANAGE STORE WITH REST API**

* Load stores
* Get store details by ID

**MANAGE PRODUCTS WITH REST API**

* Load products
* Load products by category ID
* Search for products
* Get product details by ID
* Compare products
* View the wishlist
* Add a product to the wishlist
* Delete a product from the wishlist
* Post a product review
* Load featured products
* Load related products
* Load latest products
* Load bestsellers

**MANAGE COUNTRIES WITH REST API**

* Get list of countries
* Get country details by ID

**MANAGE CART WITH REST API**

* Add item to cart
* Add more item to cart (in one request)
* Update cart item quantity
* Delete cart item by ID
* Empty cart
* Load cart
* Add voucher to order
* Add coupon to order
* Add reward to order
* Estimate Shipping & Taxes