



**VESUVIO IS LIMITED**  
**Babarmahal, Kathmandu, Nepal**

**TASK**

**Position: .NET Developer**

## **Furniture Land Web store**

The BOD of FLhas requested that a project team be created the opportunity to develop an EC System. Especially, market research found that there is a good opportunity for online furniture purchases, especially in the areas of:

- Corporate furniture
- Home/Office furniture
- Student furniture

The board wants to incorporate all three target markets into its long-termEC plan but wants initially to focus on the corporate furniture buying system. Board members feel that this segment has the greatest potential to provide an adequate return on investment and would be a good building block for moving into the customer-based markets. Because the corporate furniture buying system specially targeted to the business furniture market, it will be easier to define the system's operational requirements. Additionally, this EC system should integrate nicely with two currently existing system, Purchasing Fulfillment and Customer Tracking. Together, these attributes make it an ideal candidate for initialing Web strategy. Throughout the remainder of the book, we will follow the evaluation of the Webstore project until it becomes operation for FL.

## Desired Layout and Navigation Feature of Webstore

Layout and Design	<ul style="list-style-type: none"> <li>Navigation menu and logo placement should remain consistent throughout the entire site</li> <li>Graphics should be lightweight to allow for quick page display</li> <li>Text should be used over graphics whenever possible</li> </ul>
Navigation	<ul style="list-style-type: none"> <li>Any section of the store should be accessible from any other section via the navigation menu</li> <li>Users should always be aware of what section they are currently in</li> </ul>
Web Store System	
<ul style="list-style-type: none"> <li>Main Page <ul style="list-style-type: none"> <li>Product Line (Catalog) <ul style="list-style-type: none"> <li>Desks</li> <li>Chairs</li> <li>Tables</li> <li>File Cabinets</li> </ul> </li> <li>Shopping Cart</li> <li>Checkout</li> <li>Account Profile</li> <li>Order Status/History</li> <li>Customer Comments</li> </ul> </li> <li>Company Info</li> <li>Feedback</li> <li>Contact Information</li> </ul>	<ul style="list-style-type: none"> <li>User Profile Manager</li> <li>Order Maintenance Manager</li> <li>Content (Catalog) Manager</li> <li>Reports <ul style="list-style-type: none"> <li>Total Hits</li> <li>Most Frequent Page Views</li> <li>Users / Time of Day</li> <li>Users / Day of Week</li> <li>Shoppers not purchasing (Used shopping cart – did not checkout)</li> <li>Feedback Analysis</li> <li>Wish Lists</li> </ul> </li> </ul>

## Customer and Inventory Information

The Webstore will be designed to support the furniture purchases of three distinct types of customers:

- Corporate Customers
- Home/Office Customers
- Student Customers

Corporate Customers	Home / Office Customers	Student Customers
<ul style="list-style-type: none"> <li>Company Name</li> <li>Company Address</li> <li>Company Phone</li> <li>Company Fax</li> <li>Company Preferred Shipping Method</li> <li>Buyer Name</li> <li>Buyer Phone</li> <li>Buyer Email</li> </ul>	<ul style="list-style-type: none"> <li>Name</li> <li>Doing Business As (Company Name)</li> <li>Address</li> <li>Phone</li> <li>Fax</li> <li>Email</li> </ul>	<ul style="list-style-type: none"> <li>Name</li> <li>School</li> <li>Address</li> <li>Phone</li> <li>Email</li> </ul>
Inventory Information		
<ul style="list-style-type: none"> <li>SKU</li> <li>Name</li> <li>Description</li> </ul>	<ul style="list-style-type: none"> <li>Finished Product Size</li> <li>Finished Product Weight</li> <li>Available Materials</li> </ul>	<ul style="list-style-type: none"> <li>Available Colors</li> <li>Price</li> <li>Lead Time</li> </ul>

## Features:

### Site Management System

- User Profile Manager
  - CRUD types of customers
- Order Maintenance Manager
  - Show orders made by customers from web store
- Content (Catalog) Manager
  - CRUD products/items to show on web store
- Reports
  - Show all purchase data with filter (date, user, catalog)

### Web Store System

- Main Page
  - Web store page including products/items
- User Login
- Shopping Cart
  - Add products/items to shopping cart
- Checkout
  - Complete order
- Create a project with any language you are comfortable with.
- Use any architecture you are comfortable with.
- You can also go for API approach
  - Create a Swagger UI
  - Or Go for Postman Collection
- Use database seeding where required
- You do not need to complete all the Webstore System, but at least you need to complete
  - Simple functionality:
    - Product Search based on Category, Price and name
    - Add to cart
    - List section
    - Calculate tax
    - Change Personal Data
  - Multiple functionality:
    - Add item to cart and change quantity
    - Create user account
    - Change address
  - Function Chains:
    - Add item to cart
    - Check out
    - Create user account
    - Purchase
  - Elective Functions:
    - Returned items

- Lost shipments
  - Items out of stock
- Emergency/Crisis:
  - Missing orders
  - Security attacks
- Report:
  - Generate a profit/loss report for the given date range.
  - Generate order history of a customer
- Write a test case regarding “Missing Orders” using any tool you are comfortable with.

**Note: The project needs to be completed within two working days**

\*\*\*THE END\*\*\*