

# **Phase -3-Project**

**ASP.NET MVC Ecommerce Site to Sell Laptops**

**➔ Write-Up**

**Aravinda Y T  
Software Engineer  
Dover India Pvt Ltd.**

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## **1. Abstract**

The proposed application is an ASP.NET MVC web application which can be used to manage, sell, and purchase laptops. The application has been made with database first approach using Entity Framework. The application has three portals: admin; vendor; and customer. The admin can manage laptop list, perform crud operation on that list. Admin can also see the customer registered to that website and he can also manage the vendor list. Customer can register, login and purchase laptops. Vendor can also perform crud operation on the laptops. The overall UI has been made with the support of bootstrap CSS and is mobile – responsive.

## **2. Software Requirements**

- Visual Studio
- ASP.NET Framework
- SQL Server Management Studio ( SSMS)
- Bootstrap 5.x
- Git CLI
- Windows OS

## **3. Components of project**

1. Admin Portal
2. Customer Portal
3. Vendor Portal

### **3.1 Components of Admin Portal**

- Login - Validators for empty field, Invalid credentials.
- Customer list - Can only See the registered customer list.
- Vendor list - View to check the list and Delete vendors from list.
- Laptop list - View to See, Create, Edit, Delete, and check laptop details.

### **3.2 Components of Vendor Portal**

- Login - Validators for empty field, Invalid credentials.
- Register - Validators for empty field.
- Laptop list - View to See, Create, Edit, Delete, and check laptop details.

### **3.3 Components of Customer Portal**

- Login - Validators for empty field, Invalid credentials.
- Register - Validators for empty field.
- Laptop card list - View to add laptops to cart and see detailed specs.
- Laptop cart - View to see items added to cart, Total amount, Navigation buttons.
- Payment - View to enter address and confirm order.
- Order Confirmed - Modal to show order status