

PHASE 3 Project:

Own Your Laptop – An E-commerce Website to sell / manage /purchase Laptop

Problem Statement:

An existing retail company, Digital Retailers Inc, wants to take their business online and create an e-commerce portal that will enable people to purchase laptops online. They like to prototype new projects quickly using Agile methods and hence want to avoid a long requirement capture stage. They want to keep track of their codebase using Git so that multiple developers can work on it as required.

Program Logic:

1. The project is implemented using Visual Studio 2019 with ASP.net Entity Framework and MVC Patterns while using SQL DMS running on version 18.9.2.
2. Used Identity Method to authorize and authenticate users via the sql db.
3. Created Accounts Controller to manage with Admin, Seller and Buyer Accounts and created respected Models and Views for them.
4. Used Entity Framework Approach to automatically generate the code to perform CRUD Operations on the Database.
5. Used razor Views to automatically generate views for Login, Register and many other creation of .cshtml files.
6. Separate View page was created to make user page attractive using cards.
7. Checkout and Success page views were created.
8. Code-first Approach is followed here, and respective migrations were done followed by updating database.

Features in the project:

Admin:

1. Admin has privileges to do CRUD Operations on the database.
2. CRUD Operations are performed on the Laptop Database created on the local machine.

Buyer:

1. Buyer can register for the first time and login accordingly using his/her credentials.
2. Buyer can view the laptops available for sale and can find the details of the respective laptops.
3. Can buy the laptop which takes to payment page for order completion.

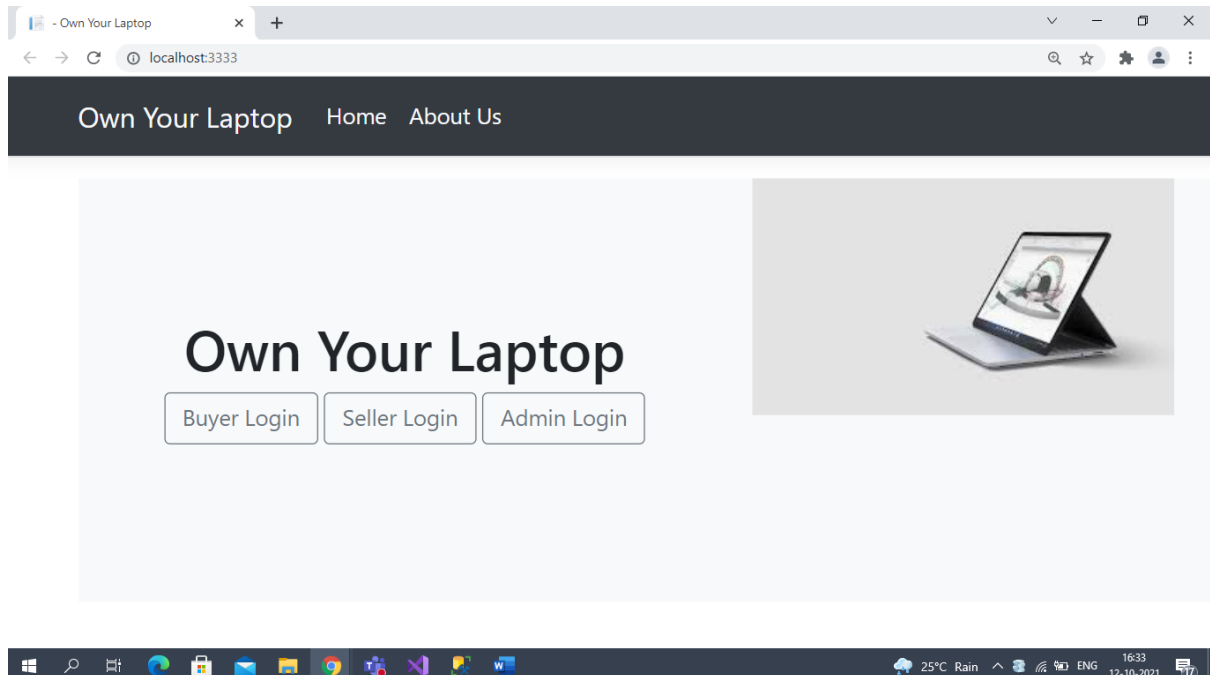
Seller:

1. Seller can login with the credentials.

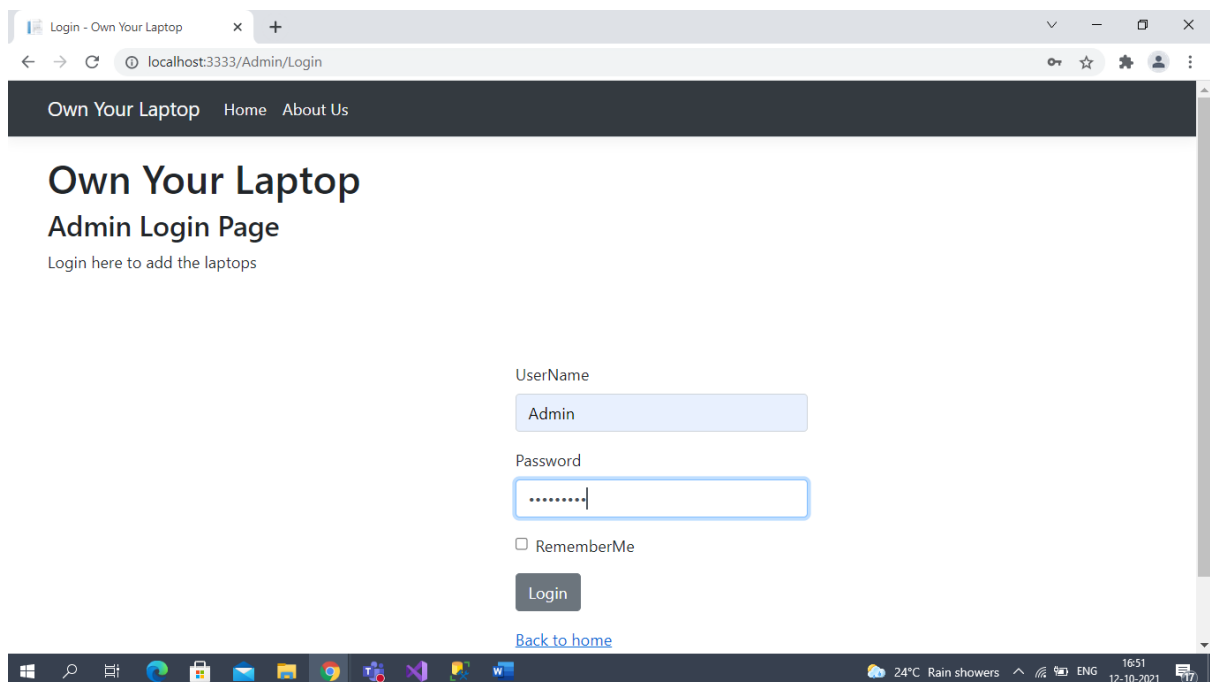
2. Can add or delete laptops hence can perform CRUD operations.

Screenshots:

Home Page :



Admin Login Page :







Admin View :


localhost:3333/Laptops?uname=Admin

Own Your LaptopHomeAbout Us

Manage your Website

[Create New](#)

Title	Description	Price	ImageUrl	
Dell Inspiron 15	Windows 10 Home Single Language, English videocard Integrated graphics with AMD APU memory 8GB, 1x8GB, DDR4, 2400MHz harddrive 1TB 5400 rpm 2.5" SATA Hard Drive color Soft Mint	39490		Edit Details Delete
XPS 13 Laptop	11th Generation Intel® Core™ i5-1135G7 Processor (8MB Cache, up to 4.2 GHz) laptop Windows 11 Home, Single Language English videocard Intel® Iris Xe Graphics memory 16 GB, LPDDR4x, 4267 MHz, integrated, dual channel harddrive 512GB M.2 PCIe NVMe Solid State Drive color Platinum Silver with Black carbon fiber palmrest	68970		Edit Details Delete
Lenovo Ideapad	AMD Ryzen™ 5 5500U Processor (6 Cores / 12 Threads, 2.10 GHz, up to 4.00 GHz with Max Boost, 3 MB Cache L2 / 8 MB Cache L3)	58742		Edit Details Delete
HP Pavilion	11th Generation Intel® Core™ i5-1135G7 Processor (8MB Cache, up to 4.2 GHz) laptop Windows 11 Home, Single Language English videocard Intel® Iris Xe Graphics memory 16 GB, LPDDR4x, 4267 MHz, integrated, dual channel harddrive 512GB M.2 PCIe NVMe Solid State Drive color Platinum Silver with Black carbon fiber palmrest	74999		Edit Details Delete



24°C Rain showers 16:53 12-10-2021

Admin Create New :

Create - Own Your Laptop

localhost:3333/Laptops/Create

Own Your LaptopHomeAbout Us

Create Laptop

Title

Dell vivo

Description

Windows 10 Home Single Language, English

Price


74999

ImageUrl

data:image/jpeg;base64,/9j/4AAQSkZJRgABAQ

Create

[Back to Product Page](#)



24°C Rain showers 16:54 12-10-2021

Admin Edit:

The screenshot shows a web browser window with the address bar displaying 'localhost:3333/Laptops/Edit/3'. The page has a dark header with the text 'Own Your Laptop' and navigation links 'Home' and 'About Us'. The main content area is titled 'Edit Laptop' and contains a form with the following fields: 'Title' (Dell Inspiron 15), 'Description' (Windows 10 Home Single Language, English), 'Price' (39490), and 'ImageUrl' (data:image/jpeg;base64,/9j/4AAQSkZJRgABA...). Below the form is a blue 'Save' button and a blue link 'Back to List'. The Windows taskbar at the bottom shows the time as 16:57 on 12-10-2021.

Own Your Laptop Home About Us

Edit Laptop

Title
Dell Inspiron 15

Description
Windows 10 Home Single Language, English

Price
39490

ImageUrl
data:image/jpeg;base64,/9j/4AAQSkZJRgABA

Save

[Back to List](#)

Seller Login page:

The screenshot shows a web browser window with the address bar displaying 'localhost:3333/Seller/Login'. The page has a dark header with the text 'Own Your Laptop' and navigation links 'Home' and 'About Us'. The main content area is titled 'Own Your Laptop Seller Login Page' and includes the text 'Login or register from here to access.'. Below this is a login form with the following fields: 'UserName' (Seller1), 'Password' (masked with dots), and a 'RememberMe' checkbox. A 'Login' button is at the bottom of the form. A blue link 'Back to home' is located below the button. The Windows taskbar at the bottom shows the time as 16:59 on 12-10-2021.

Own Your Laptop Home About Us

Own Your Laptop

Seller Login Page

Login or register from here to access.

UserName
Seller1

Password
.....

☐ RememberMe

Login

[Back to home](#)

Seller View





Welcome Seller - Own Your Laptop x

localhost:3333/Laptops/SellerIndex?uname=Seller1

Own Your Laptop Home About Us

Manage your Products

[Create New](#)

Title	Description	Price	ImageUrl	
Dell Inspiron 15	Windows 10 Home Single Language, English videocard Integrated graphics with AMD APU memory 8GB, 1x8GB, DDR4, 2400MHz harddrive 1TB 5400 rpm 2.5" SATA Hard Drive color Soft Mint	39490		Delete Item
XPS 13 Laptop	11th Generation Intel® Core™ i5-1135G7 Processor (8MB Cache, up to 4.2 GHz) laptop Windows 11 Home, Single Language English videocard Intel® Iris Xe Graphics memory 16 GB, LPDDR4x, 4267 MHz, integrated, dual channel harddrive 512GB M.2 PCIe NVMe Solid State Drive color Platinum Silver with Black carbon fiber palmrest	68970		Delete Item
Lenovo Ideapad	AMD Ryzen™ 5 5500U Processor (6 Cores / 12 Threads, 2.10 GHz, up to 4.00 GHz with Max Boost, 3 MB Cache L2 / 8 MB Cache L3)	58742		Delete Item
HP Pavilion	11th Generation Intel® Core™ i5-1135G7 Processor (8MB Cache, up to 4.2 GHz) laptop Windows 11 Home, Single Language English videocard Intel® Iris Xe Graphics memory 16 GB, LPDDR4x, 4267 MHz, integrated, dual channel harddrive 512GB M.2 PCIe NVMe Solid State Drive color Natural Silver	74999		Delete Item

24°C Rain showers 17:00 12-10-2021

Buyer Login or Register Page

Login - Own Your Laptop x

localhost:3333/Accounts/Login

Own Your Laptop Home About Us

Own Your Laptop

Buyer Login Page

Login or register from here to access.

Email

Password

☐ Remember Me

Login

[Don't Have An Account? Register here](#)

[Seller Login](#)

24°C Rain showers 17:00 12-10-2021

Buyer View

our Laptop x +


localhost:3333/Laptops/UserIndex

Own Your Laptop Home About Us

Own Your Laptop


Bonanza deals!

Dell Inspiron 15




Details

XPS 13 Laptop




Details

Lenovo Ideapad



Details

HP Pavilion



Details

24°C Rain showers 17:03 12-10-2021

Laptop Details

Laptop Details - Own Your Laptop x +

localhost:3333/Laptops/Details/6


Own Your Laptop Home About Us

HP Pavilion

Price : ₹74999

Description : 11th Generation Intel® Core™ i5-1135G7 Processor (8MB Cache, up to 4.2 GHz) laptop Windows 11 Home, Single Language English videocard Intel® Iris Xe Graphics memory 16 GB, LPDDR4x, 4267 MHz, integrated, dual channel harddrive 512GB M.2 PCIe NVMe Solid State Drive color Platinum Silver with Black carbon fiber palmrest

Back Buy Now



24°C Rain showers 17:04 12-10-2021

Billing Details Page

The screenshot shows a web browser window with the address bar displaying 'localhost:3333/Laptops/Payments'. The page has a dark header with the text 'Own Your Laptop' and navigation links 'Home' and 'About Us'. The main content area is titled 'Billing address' and contains several form fields: 'First name' and 'Last name' (two separate input boxes), 'Username' (a single input box with a placeholder 'Username'), 'Email (Optional)' (an input box with the placeholder 'you@example.com'), 'Address' (an input box with the placeholder '1234 Main St'), 'Address 2 (Optional)' (an input box with the placeholder 'Apartment or suite'), 'Country', 'State', and 'Zip' (three separate input boxes). The browser's taskbar at the bottom shows various application icons and system information: '24°C Rain showers', 'ENG', '17:05', and '12-10-2021'.

Payment - Own Your Laptop x +

localhost:3333/Laptops/Payments

Own Your Laptop Home About Us

Billing address

First name Last name

Username

Email (Optional)

Address

Address 2 (Optional)

Country State Zip

24°C Rain showers ENG 17:05 12-10-2021

Payment Page

The screenshot shows a web browser window with the address bar displaying 'localhost:3333/Laptops/Payments'. The page contains two checkboxes at the top: 'Shipping address is the same as my billing address' and 'Save this information for next time'. Below these is a section titled 'Payment' with three radio button options: 'Credit card' (selected), 'Debit card', and 'Paypal'. Under the 'Credit card' option, there are four input fields: 'Name on card' and 'Credit card number' (two separate input boxes), and 'Expiration' and 'CVV' (two separate input boxes). A blue 'Submit' button is located at the bottom of the form. The browser's taskbar at the bottom shows various application icons and system information: '24°C Rain showers', 'ENG', '17:06', and '12-10-2021'.

Payment - Own Your Laptop x +

localhost:3333/Laptops/Payments

☐ Shipping address is the same as my billing address

☐ Save this information for next time

Payment

☒ Credit card

☐ Debit card

☐ Paypal

Name on card Credit card number

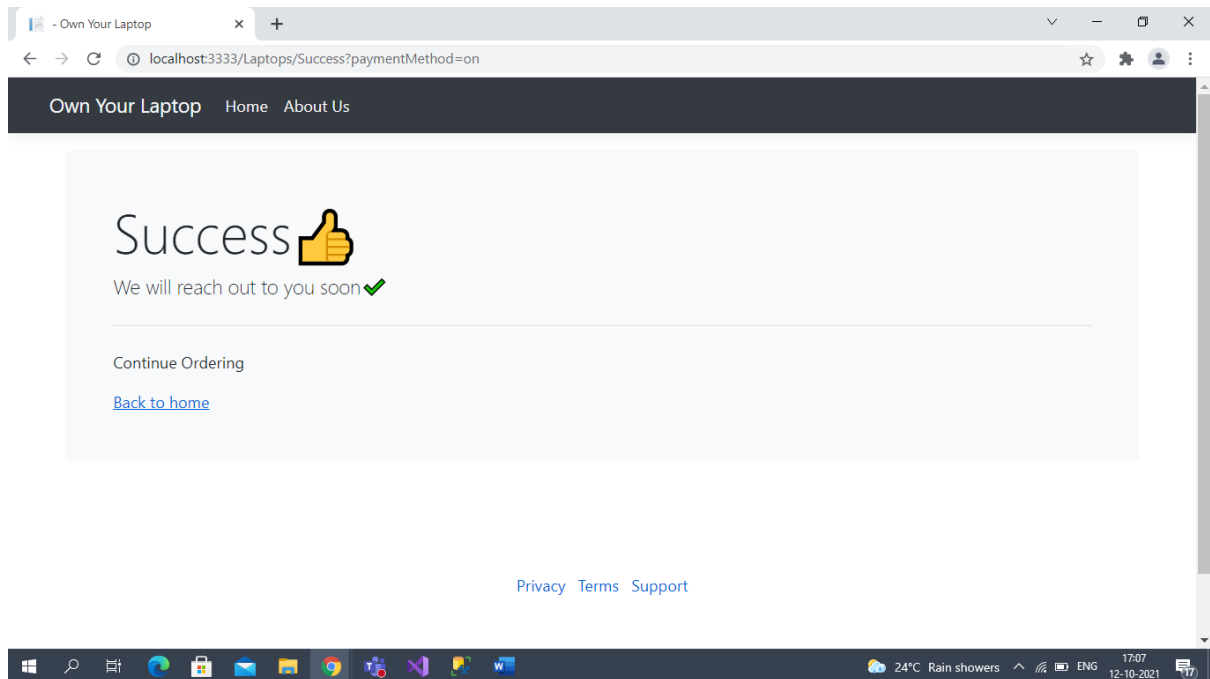
Full name as displayed on card

Expiration CVV

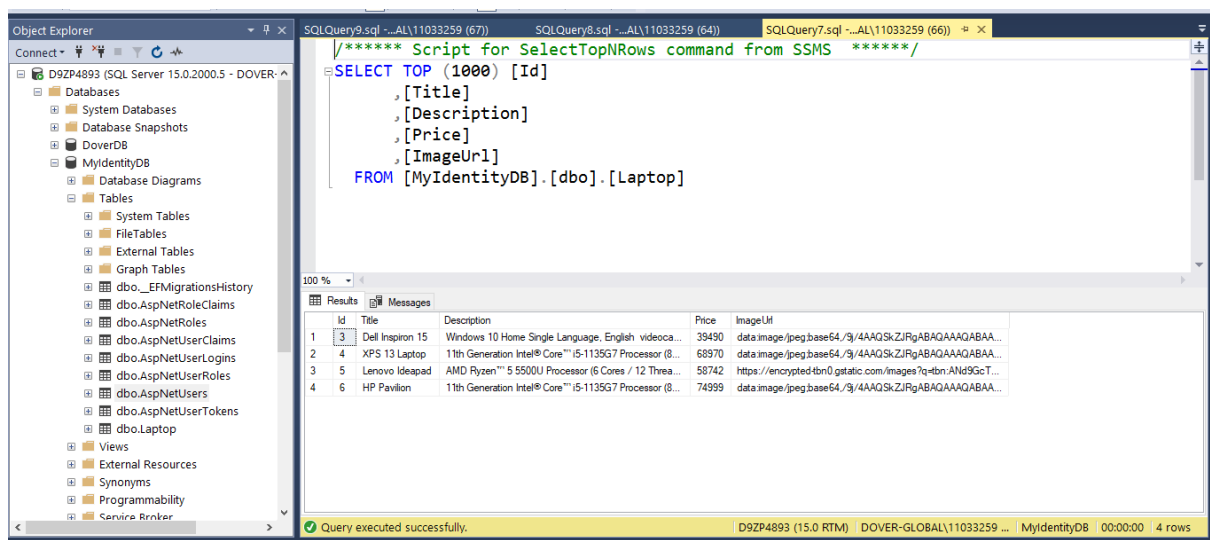
Submit

24°C Rain showers ENG 17:06 12-10-2021

Order Confirmation



Database Screenshots



SQLQuery11.sql - D9ZP4893.MyIdentityDB (DOVER-GLOBAL\11033259 (52)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

MyIdentityDB

Object Explorer

Connect

D9ZP4893 (SQL Server 15.0.2000.5 - ...)

Databases

System Databases

Database Snapshots

DoverDB

MyIdentityDB

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo._EFMigrationsHist...

dbo.AspNetRoleClaims

dbo.AspNetUserClaims

dbo.AspNetUserLogins

dbo.AspNetUserRoles

dbo.AspNetUsers

dbo.AspNetUserTokens

dbo.Laptop

Views

External Resources

Synonyms

Programmability

Service Broker

SQLQuery11.sql - ...\11033259 (52)

Script for SelectTopNRows command from SSMS

```
SELECT TOP (1000) [Id]
      [UserName]
      [NormalizedUserName]
      [Email]
      [NormalizedEmail]
      [EmailConfirmed]
      [PasswordHash]
      [SecurityStamp]
      [ConcurrencyStamp]
      [PhoneNumber]
      [PhoneNumberConfirmed]
```

Results

	Id	UserName	NormalizedUserName	Email	NormalizedEmail	EmailConfirmed	PasswordHash
1	4e56101c-d245-43e9-9508-6d4570b8697c	nam@gmail.com	NAM@GMAIL.COM	nam@gmail.com	NAM@GMAIL.COM	0	AQAAAAEAAcQAAAAENIWOK5aUBM9fo4y4zUcE1/rR5aIP8jrf...
2	59659edc-b3f8-4c43-b6fa-e5b60ed1702d	Sam@gmail.com	SAM@GMAIL.COM	Sam@gmail.com	SAM@GMAIL.COM	0	AQAAAAEAAcQAAAAEM5Wa1ZaNs4T4BRjKw3QTUgukRoXocQ...

Query executed successfully.

D9ZP4893 (15.0 RTM) DOVER-GLOBAL\11033259 ... MyIdentityDB 00:00:00 2 rows

Ready

Ln 1 Col 1 Ch 1 INS

24°C Rain showers 17:15 12-10-2021

Thank You!!