

Report On Phase-3 Project Work

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ACKNOWLEDGEMENT

I'm extremely grateful to get trained under "SimpliLearn" as I have gained immense knowledge on the Project-2 Training accessed through Instructor Kiran on ASP.Net, MVC Patterns, API's and SQL Database.

This project has made me to gain much more knowledge on the ASP.Net Programming as this involves something out of the box to think and implement Logic.

DECLARATION

The Project embodied is hereby solely done by me, This is a genuine work and is no where related to any external works.

Revanth M

29th September 2021.

REPORT CONTENTS:

1. Problem Statement
2. Implemented Features
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PROBLEM STATEMENT

Create a E-Commerce Website to sell Laptops using ASP.Net and MVC Pattern:

- That should have a login page to the User,Seller,Admin.
- It should display the user all items available for the user
- Backend should consist of Admin privileges to insert, update and delete items from the page.
- Have a checkout page to verify the transaction and lead to a success page.

IMPLEMENTED FEATURES

- USER:
 1. User is authorized and authenticated via Sql Database queries.
 2. Gaurds are implemented.
 3. Is able to view products only and checkout for the desired laptop.
- ADMIN:
 1. Admin has privileges to do CRUD Operations on the database.
 2. UserName:Admin>Password:Admin@123 is used in the project
 3. Admin can allocate sellers in the List created and sellers can login via the credentials given by the admin,Therefore Admin has also the power to remove a seller from the list
 4. CRUD Operations are performed on the Laptob Database created on the local machine.
- SELLER:
 1. Seller can login with the credentials given by the Admin.
 2. Seller is able to do Create and Delete operations on the database as to add his item into database.

Have created Privacy Notes, Home and Landing page for the website to look beautiful.

PROBLEM LOGIC

I have implemented the working Logic as following.

1. I have implemented the project 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 in order to manage with Admin,Seller and User 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,Registerand many other creation of .cshtml files.
6. Guards are implemented.
7. Separate View page was created to make user page attractive using cards.
8. Checkout and Success page views were generated.
9. Respective dependencies were installed prior to the Code development.
10. Have followed **Code-first Approach** in the submitted project and respective migrations were done followed by updating database.

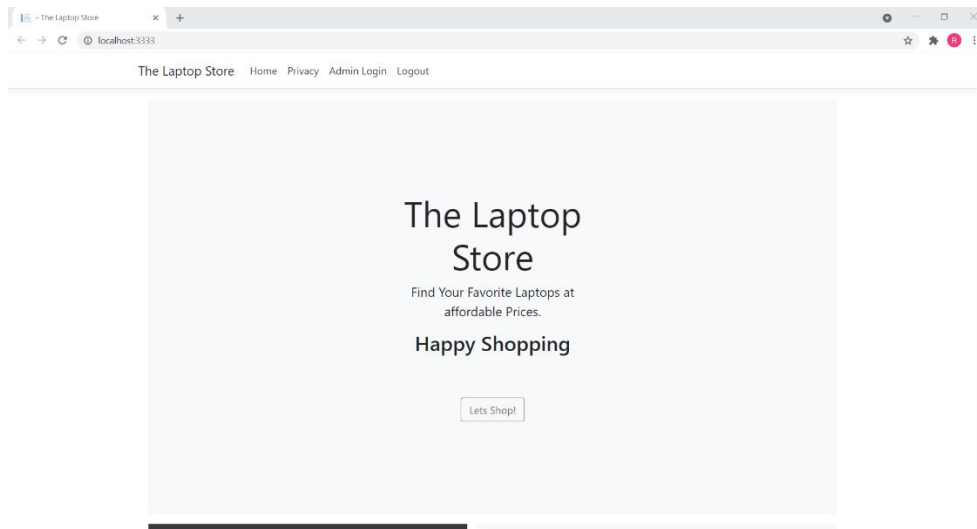
RESULTS

The Corresponding Code is available Here please check-

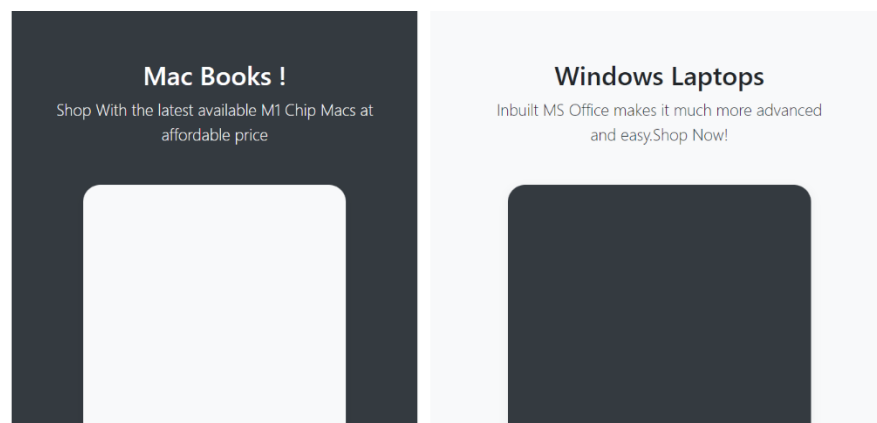
<https://github.com/RevanthPrithu/Phase3Assesment>

The following are the snapshots of my work.

1.Landing Page-1



2.Landing Page-Continued down.



3.Admin Login Page.

The screenshot shows the Admin Login page of 'The Laptop Store'. The page has a navigation bar with links: Home, Privacy, Admin Login, and Logout. The main heading is 'Login' with a sub-heading 'UserModel'. Below this, there are input fields for 'UserName' (containing 'Admin') and 'Password' (containing '*****'). There is a 'RememberMe' checkbox and a 'Login' button. A 'Back to List' link is at the bottom. The footer contains the text '© Made with ❤️ by Revanth' and links for 'Privacy', 'Terms', and 'Support'.

4.Admin Panel

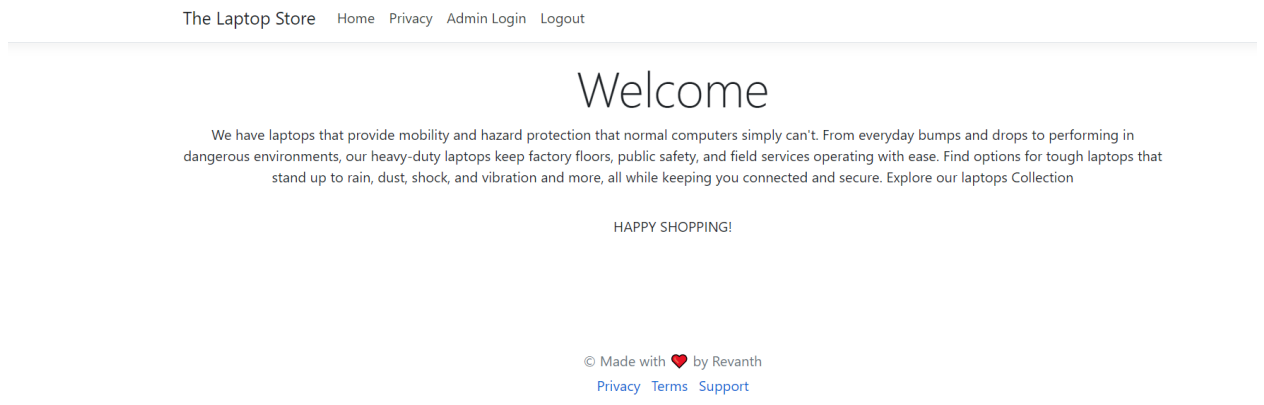
The screenshot shows the Admin Panel of 'The Laptop Store'. The page has a navigation bar with links: Home, Privacy, Admin Login, and Logout. The main heading is 'Manage your Website' with a 'Create New' link. Below this is a table listing products.

| Title | Description | Price | ImageUrl | |
|--------------------------|---|--------|----------|---|
| MacBook Air 2017 | A decent laptop under affordable price | 68000 | | Edit Details Delete |
| Macbook Pro 2021 M1 Chip | Boost efficiency with the powerful M1 Chip | 150000 | | Edit Details Delete |
| Macbook Air | light as feather and powered efficiency with the powerful M1 Chip | 100000 | | Edit Details Delete |
| Dell Latitude | Nice Laptop with decent price | 50000 | | Edit Details Delete |
| Dell XPS | i11 processor and more on features | 60000 | | Edit Details Delete |

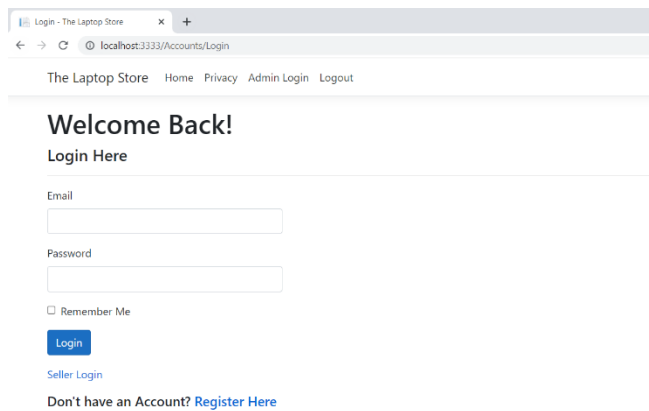
5.Create Method for both Admin and Seller.

The screenshot shows the 'Create Laptop' page of 'The Laptop Store'. The page has a navigation bar with links: Home, Privacy, Admin Login, and Logout. The main heading is 'Create Laptop'. Below this, there are input fields for 'Title' (containing 'Mackbook Pro 2021'), 'Description' (containing 'i11 processor and more on features'), 'Price' (containing '50000'), and 'ImageUrl' (containing 'https://i.gadgets360cdn.com/products/large/'). There is a 'Create' button and a 'Back to Product Page' link.

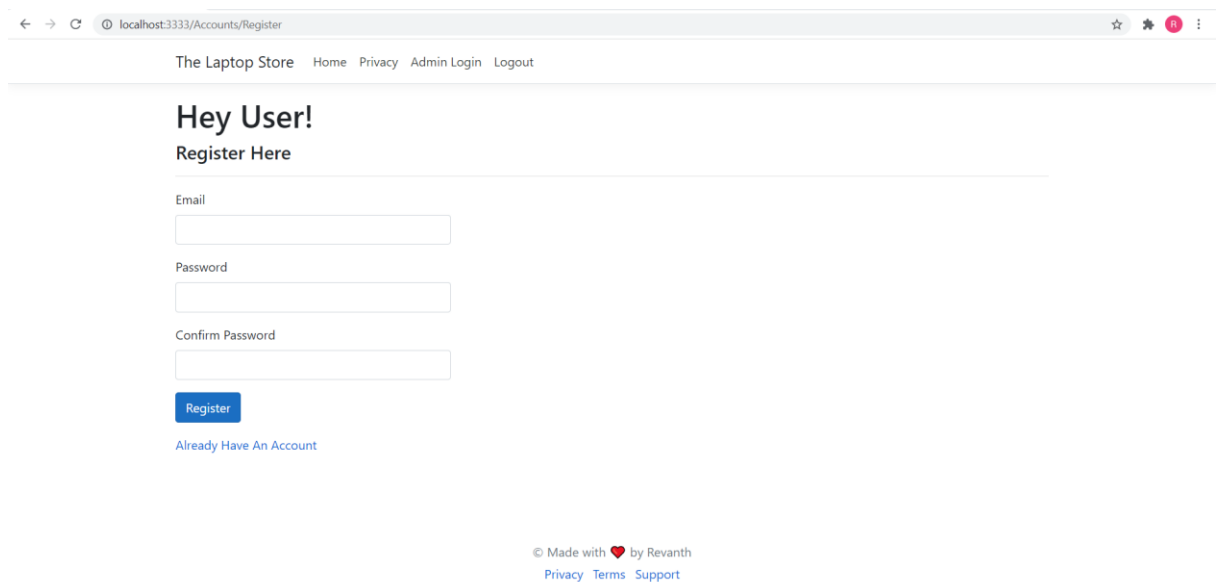
9.Home Page-NavBar Item.



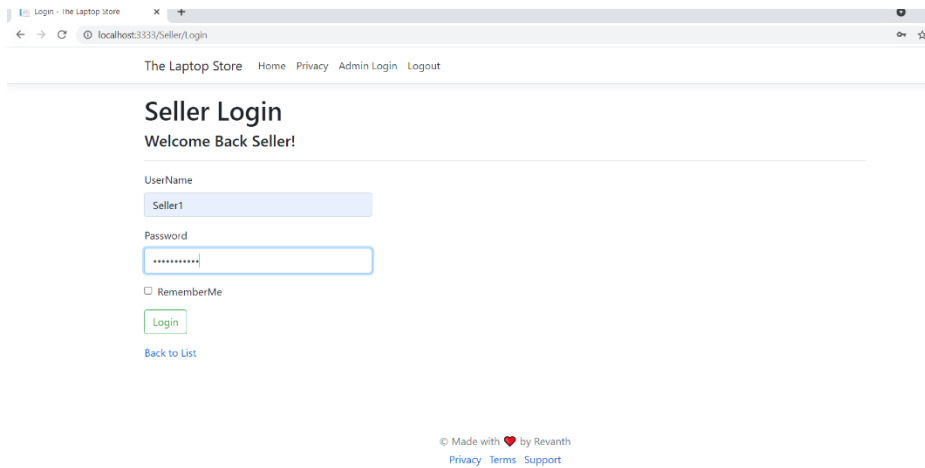
10.Login Page for user.



11.Register Page for user.

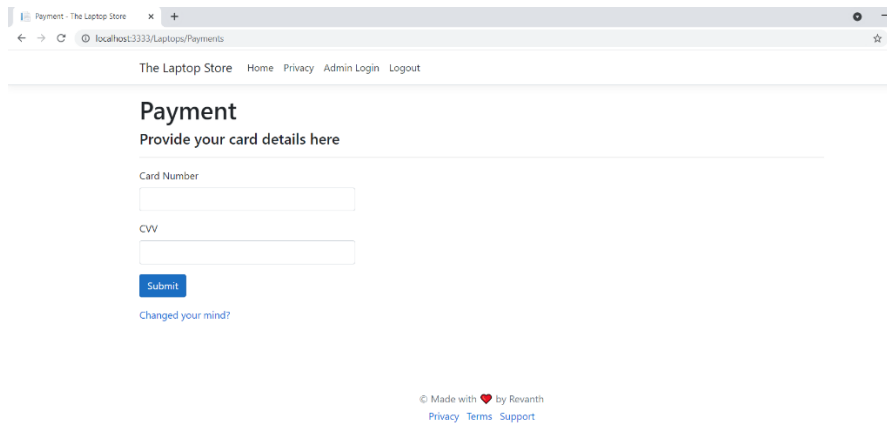


12.Seller Login Page.



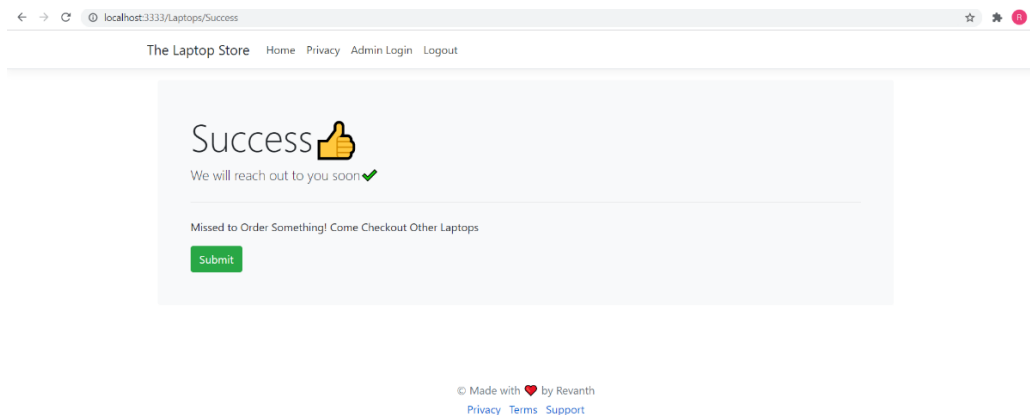
The screenshot shows a web browser window with the address bar displaying 'localhost:3333/Seller/Login'. The page title is 'The Laptop Store'. The navigation bar includes links for 'Home', 'Privacy', 'Admin Login', and 'Logout'. The main heading is 'Seller Login' with a subheading 'Welcome Back Seller!'. Below this, there is a 'UserName' field with the value 'Seller1' and a 'Password' field with masked characters. A 'RememberMe' checkbox is present. A green 'Login' button is at the bottom of the form, and a blue 'Back to List' link is below it. The footer contains the text '© Made with ❤ by Revanth' and links for 'Privacy', 'Terms', and 'Support'.

13.Payment Page.



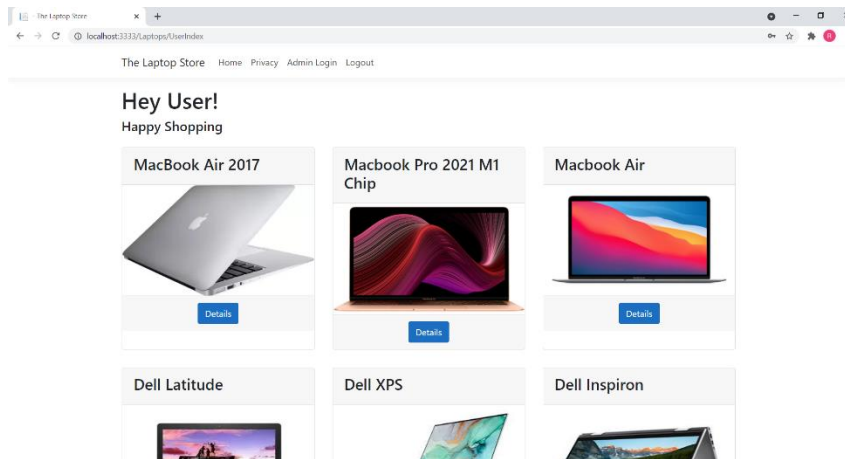
The screenshot shows a web browser window with the address bar displaying 'localhost:3333/Laptops/Payments'. The page title is 'The Laptop Store'. The navigation bar includes links for 'Home', 'Privacy', 'Admin Login', and 'Logout'. The main heading is 'Payment' with a subheading 'Provide your card details here'. Below this, there is a 'Card Number' field and a 'CVV' field. A blue 'Submit' button is at the bottom of the form, and a blue link 'Changed your mind?' is below it. The footer contains the text '© Made with ❤ by Revanth' and links for 'Privacy', 'Terms', and 'Support'.

14.Success page

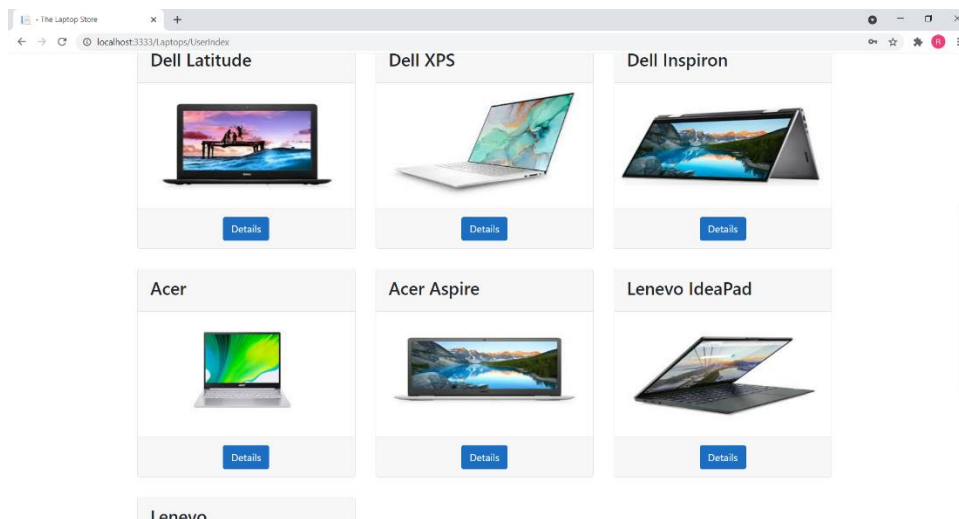


The screenshot shows a web browser window with the address bar displaying 'localhost:3333/Laptops/Success'. The page title is 'The Laptop Store'. The navigation bar includes links for 'Home', 'Privacy', 'Admin Login', and 'Logout'. The main heading is 'Success' with a thumbs up icon. Below this, there is a message 'We will reach out to you soon' with a green checkmark. A green box contains the text 'Missed to Order Something! Come Checkout Other Laptops' and a green 'Submit' button. The footer contains the text '© Made with ❤ by Revanth' and links for 'Privacy', 'Terms', and 'Support'.

15.User Page-1



16.User Page-2



END OF PROJECT

THANKING YOU

Revanth M.