



“Etbnany Website Project”



CSE341-Internet Programming

Summer-23

1-Team Members

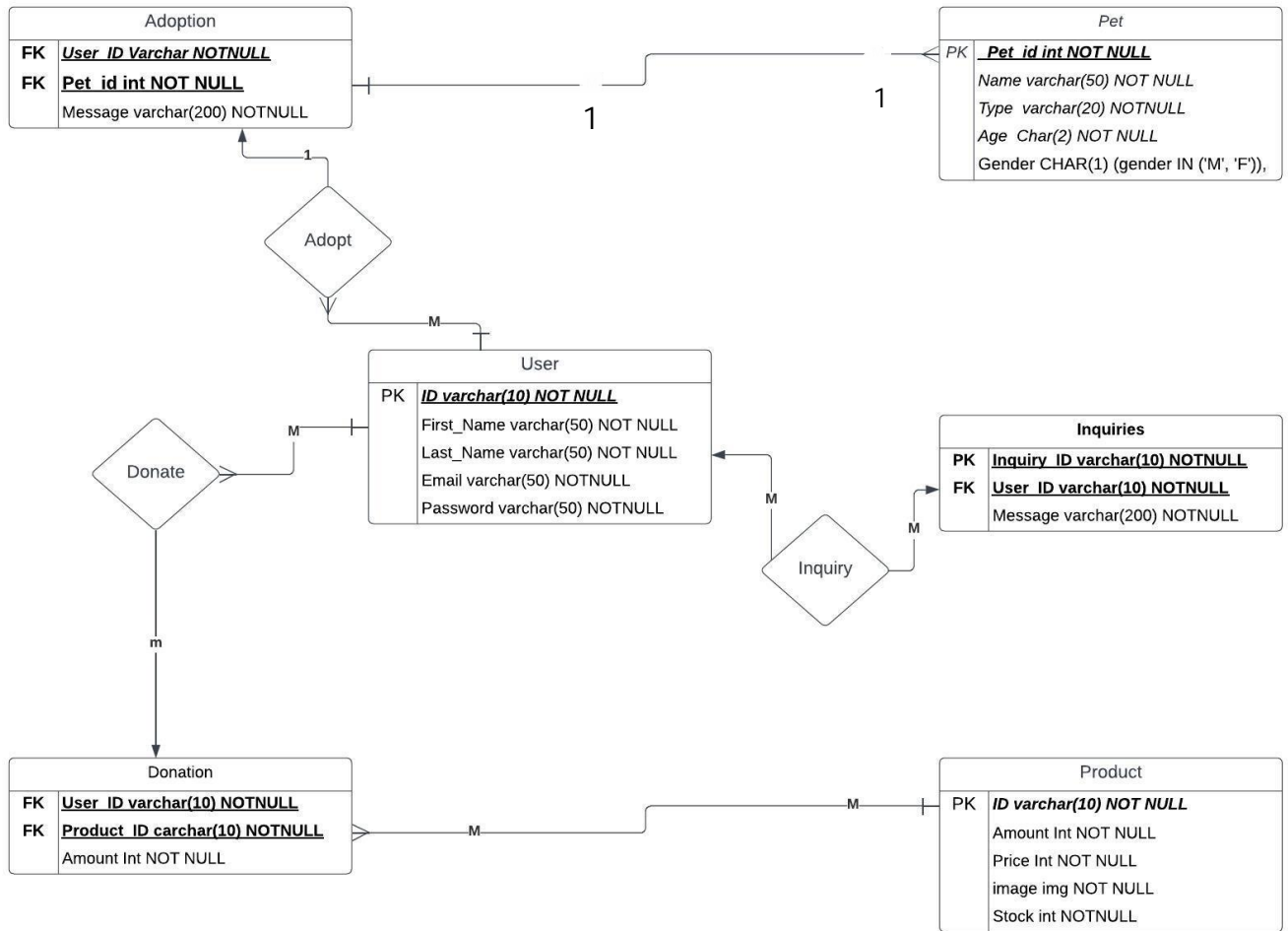
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2-Project Description

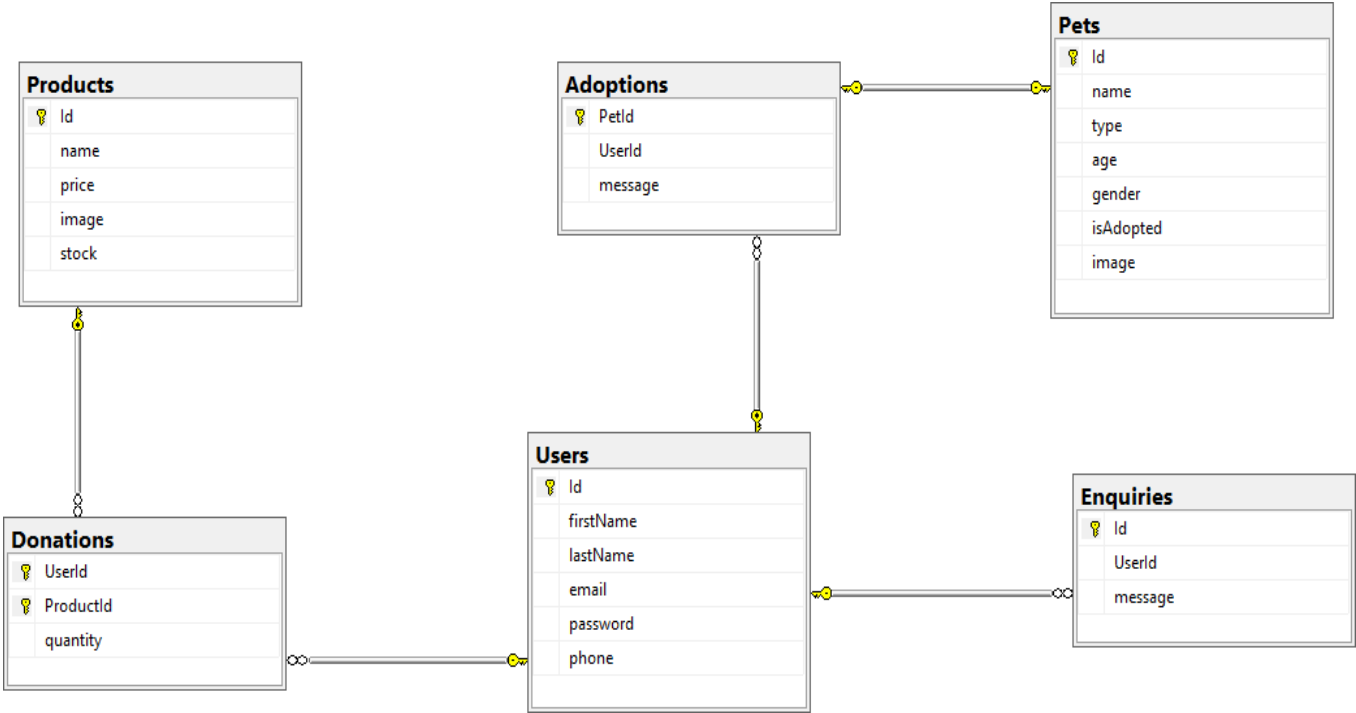
Etbnany is an online animal shelter that offers adoption and donation services. It connects animals in need of homes with potential adopters through detailed profiles and a user-friendly adoption process. Additionally, visitors can support the shelter by purchasing featured products, with a portion of the proceeds going towards animal care. Etbnany aims to create a compassionate community dedicated to providing safe and loving environments for animals in need.

In this documentation, we will walk you through the project step-by-step.

3- Entity-Relationship Diagram (ERD):

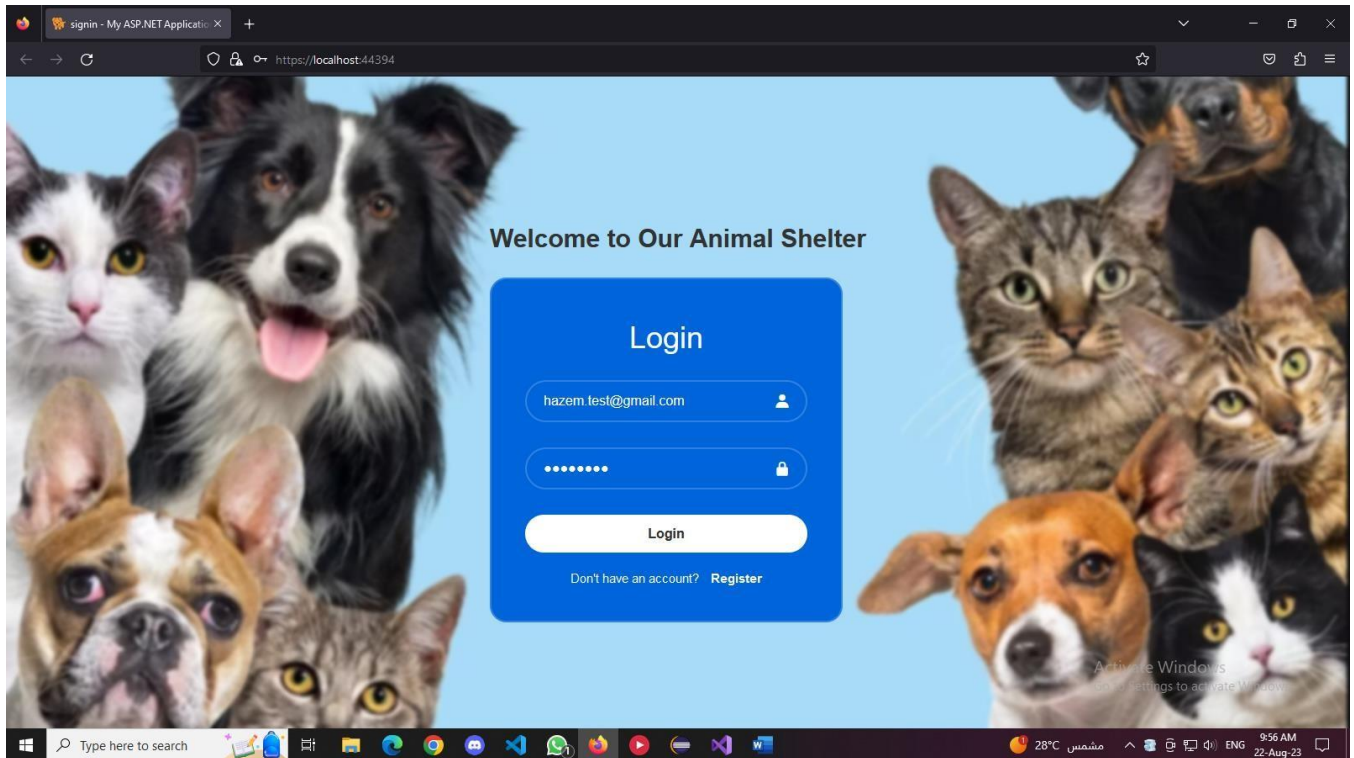


4- Entity-Relationship Diagram (ERD) (from SQL Server as verification):



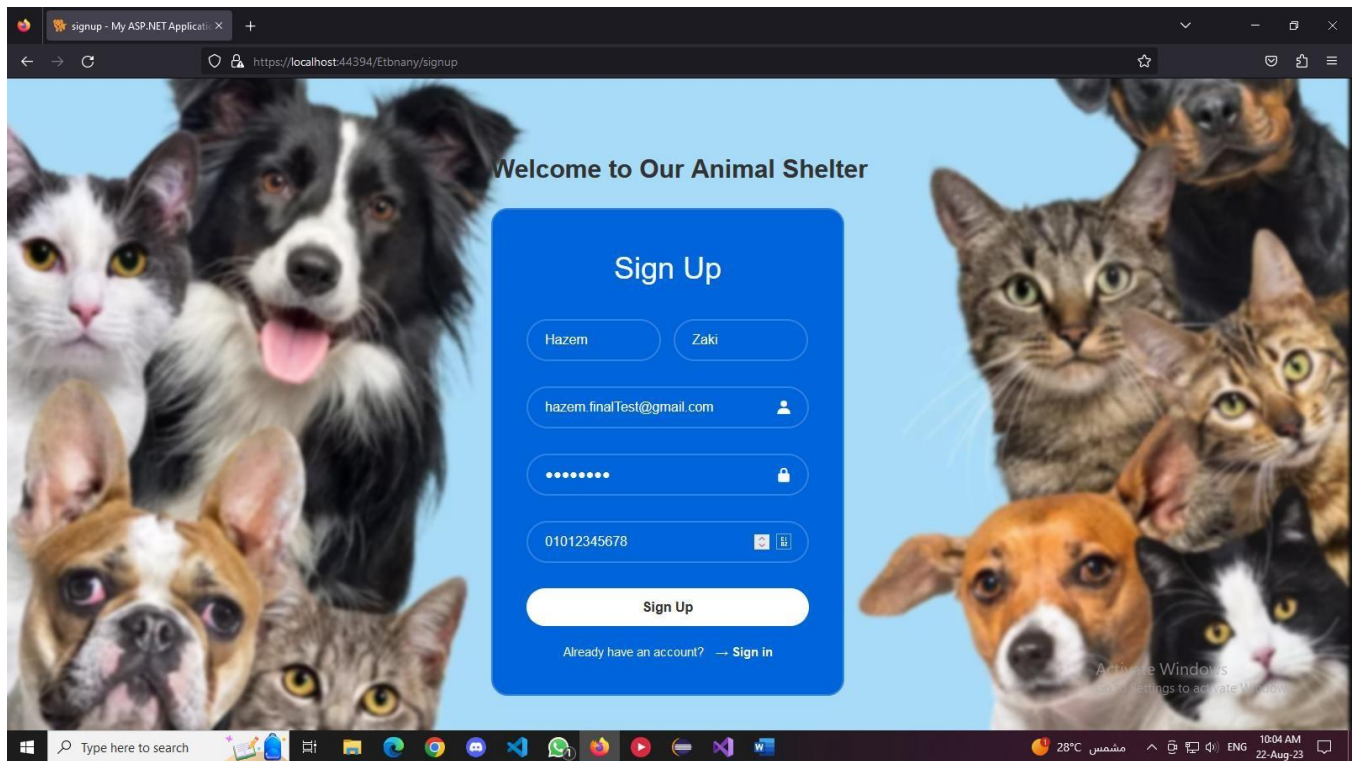
5- GUI & Flow of the Website

1- Login Page



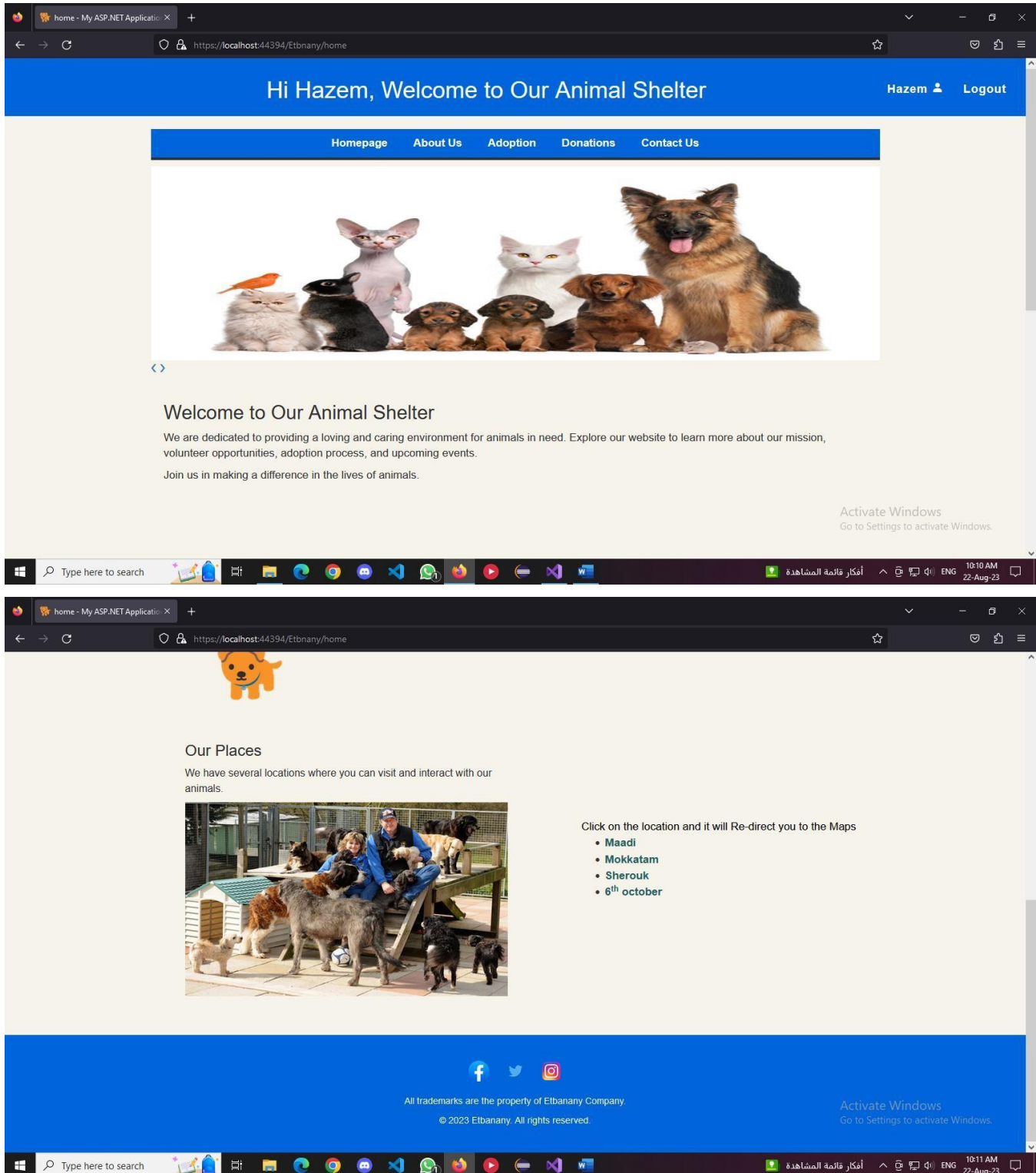
- First you will be welcomed to the Login / Sign in page where you log into your account right away, if you have one.
- But if you don't, the hyperlink "Register" will take you to the Sign-Up page.
- Of course, verification is performed on the client-side to check whether you are already registered in our system or not.
- If you do have a registered account, you will be redirected to the Home page.
- If not, you will be redirected to the Sign In page again (where you currently are).

2- Registration Page



- Here is the Sign-Up page where you can register a new account.
- First, if you try to register with an already registered account, you will be redirected to the Sign In page.
- Secondly, your first name and last name need to follow the pattern of normal names (no special characters, etc...)
- Thirdly, your email needs to contain an @ symbol to be accepted,
- Fourthly, the password needs to be follow a specified pattern and not to be less than 8 characters long.
- And finally, the phone number needs to be 11 digits and starts with 010, 011, or 012.
- Given that the above checks are met, only then your account will be registered successfully and you will be redirected to Home page.

3- Home page

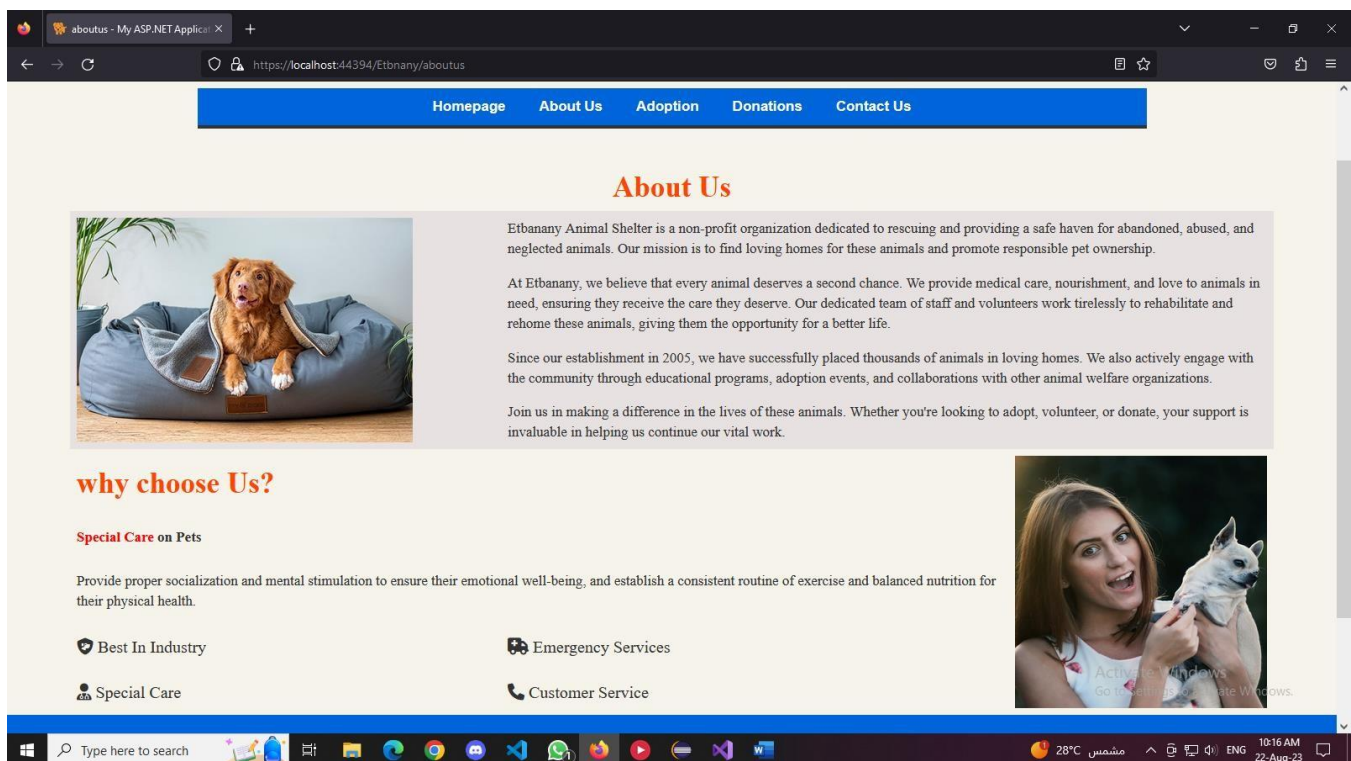


- As shown, you will be specifically greeted at the very top of the page and your first name will also appear at the top right of the page

where you can go to your profile page to see your donations and adoptions (talked about later).

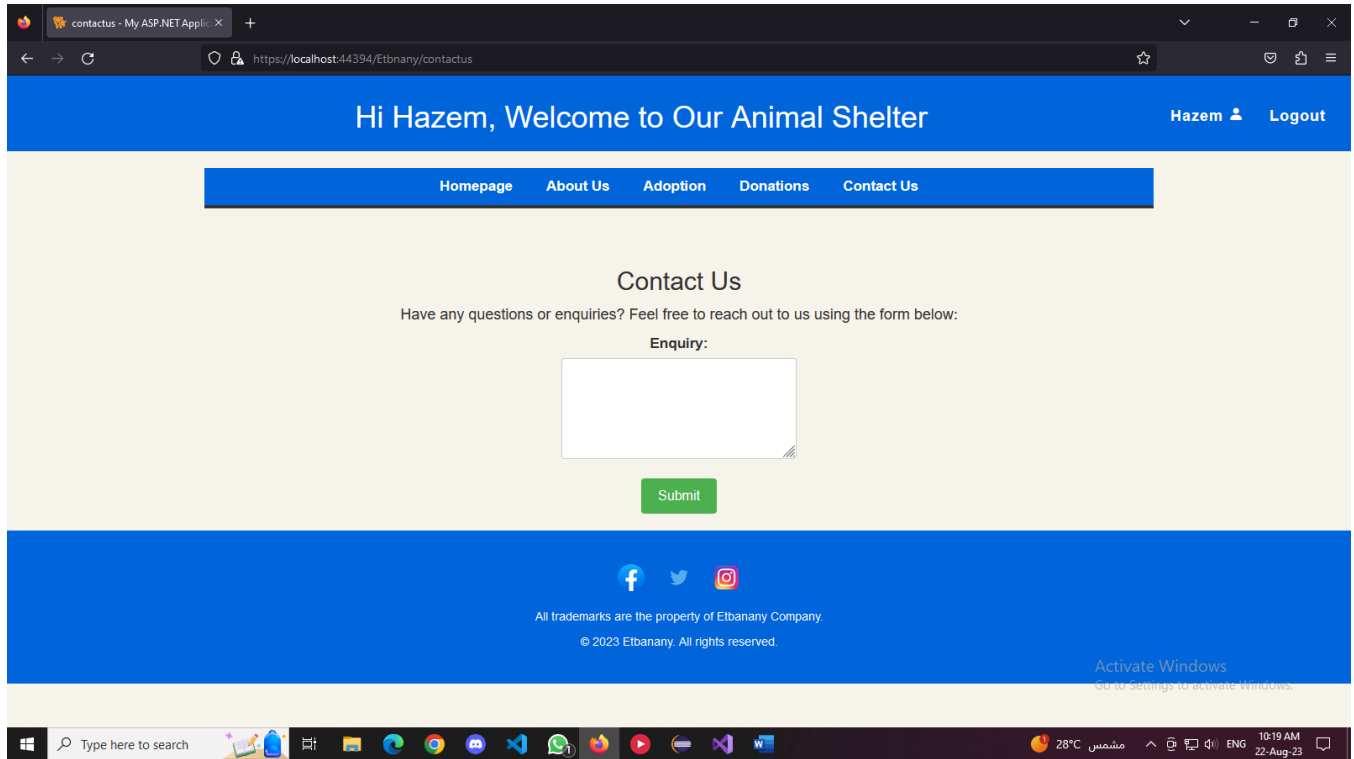
- The home page welcomes you to the website's content and provides you with some basic information about the project along with our locations (and a cute little running dog 🐕).
- As shown in the navigation bar up top, you can go to any other page of the website.
- You can also choose to logout, from any page on the website, whenever you wish and you will be redirected back to the home page.

4- About Us page



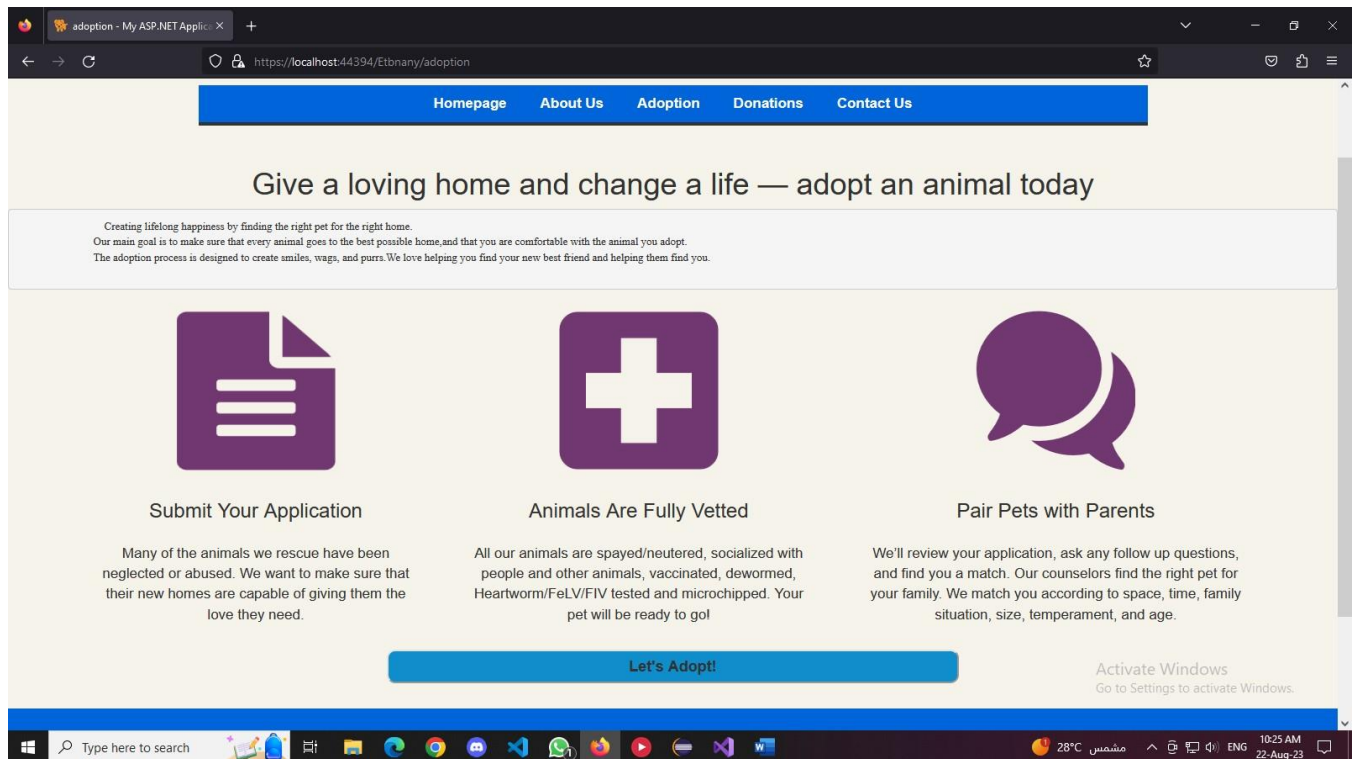
- The About Us page basically tells you more about us and why we do what we do.
- As you can see, we are very serious about taking care of pets 🐕

5- Contact Us page

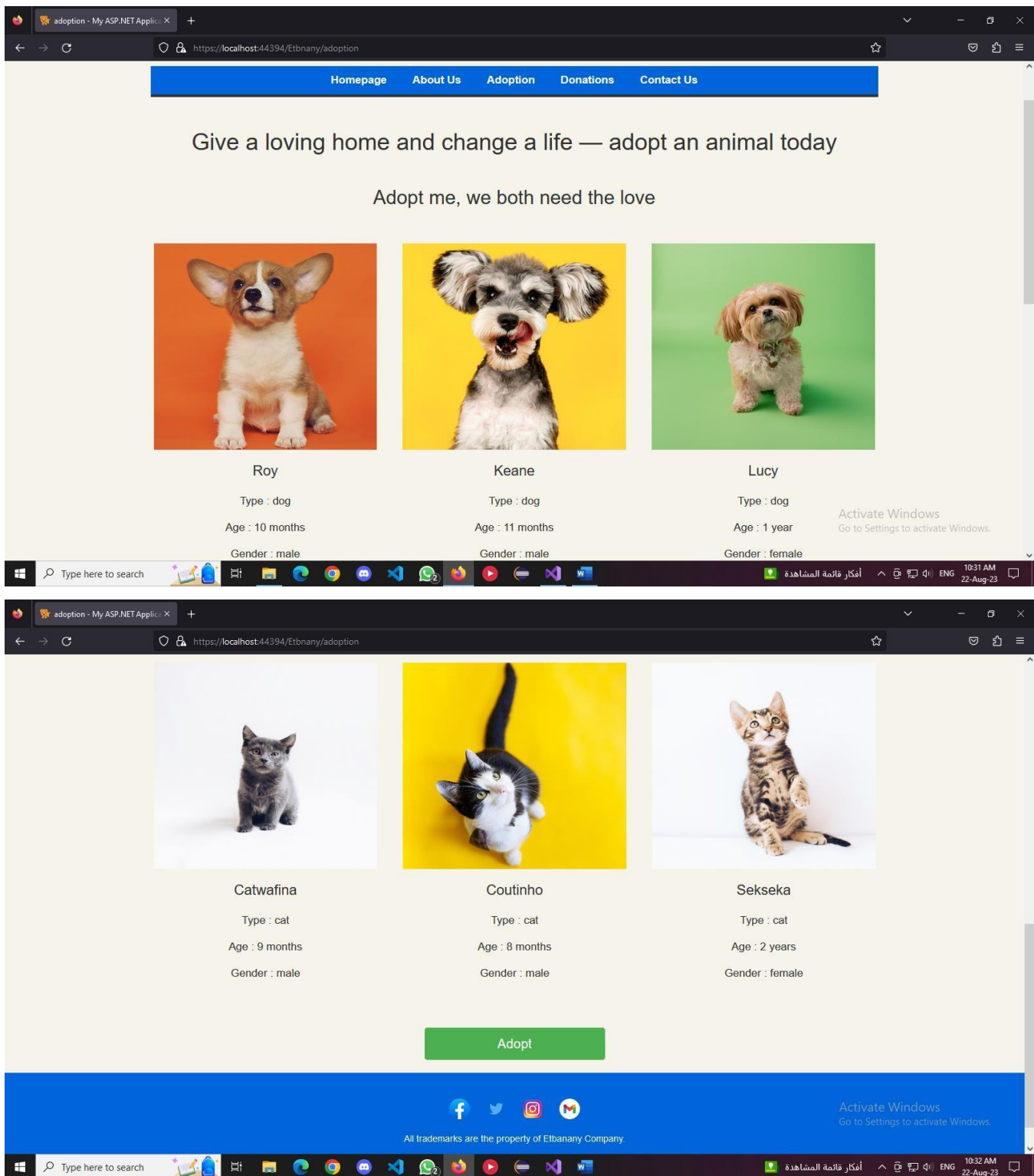


- In the Contact Us page, you can simply write us any enquiries or suggestions for improvement, or even drop a hi! 📩
- You can also send several enquiries, endlessly, whenever you like.
- Take care that your message should be between 20 and 200 characters long (inclusive), so technically a “hi” by itself is not enough 💎 .

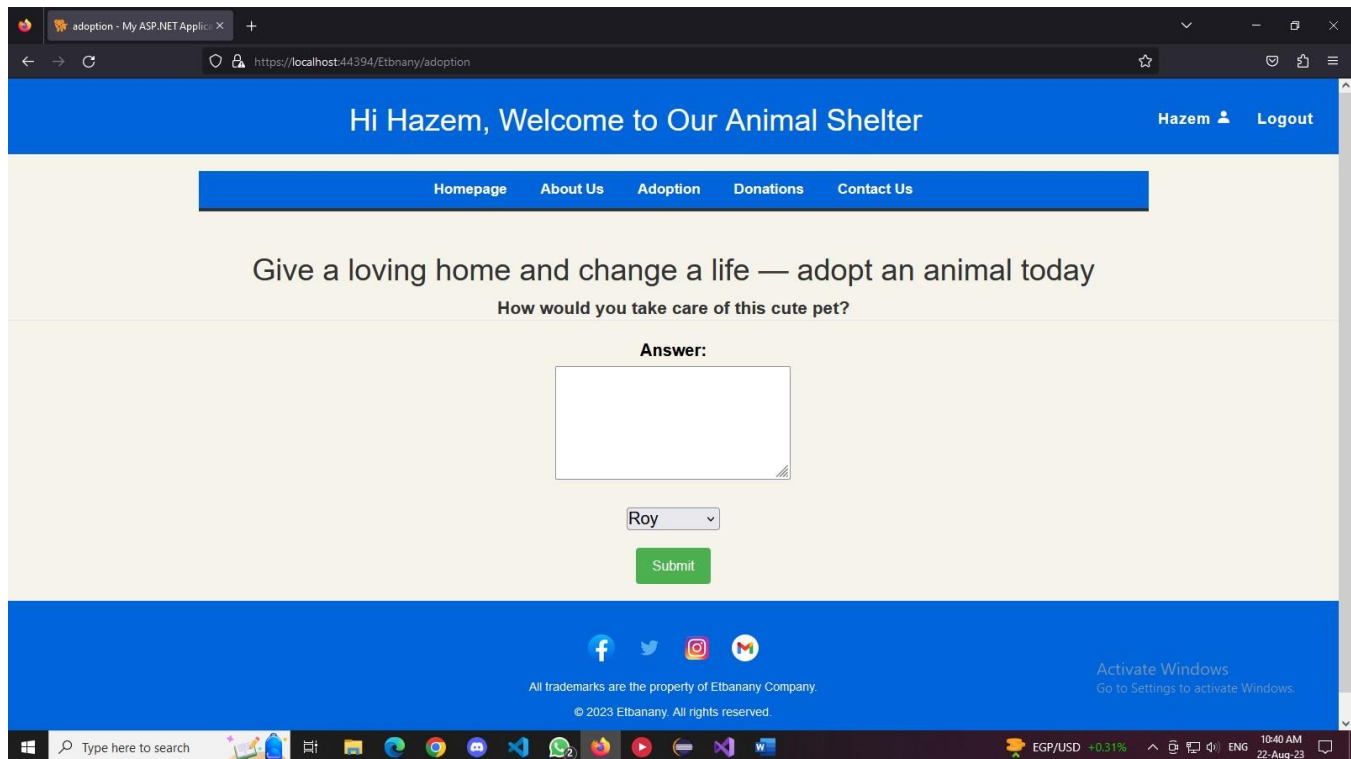
6- Adoption page



- This is the most important page on the whole website, as it is at the center of the project's aim, which is taking very good care of our cute, love-seeking pets available for adoption, and to make that easy, we put the access to this page right at the center of the navigation bar.
- You will be pleased with what you read about us in this page 🏆
- When you click on “Let's Adopt” button, the following view will appear to you.



- Your browser will get bombarded with the cute photos of our available pets for adoption, and their accompanied basic details.
- This grid of photos will be available for you to scroll through and see through all the options available. That will give you enough time to have thought about your pet choice. When you finally decide on “The One”. Click on Adopt.




- That click will take you to this view where you will be required to provide us with an adequate reason for us to decide to give that pet to you, because we care about how our pets will be treated afterwards. Your request will likely be side-to-side with other requests from other users on the same pet, so it will take some time for us to take the final decision.
- Don't forget of course to select the name of the pet you want to adopt in the drop-down menu, and then click the submit button. That's the adoption process complete!
- For your info: One user can adopt several pets from our shelter 🏆
- Note that: when one of the pets get adopted, it's removed from the pets grid page.

7- Donation page




donation - My ASP.NET Applic...
https://localhost:44394/Etbnyany/donation

Your Gift Will Help Save More Homeless Animals

Your donation to The Animal Foundation goes straight to work helping the highest volume single-site animal shelter in America save more lives. Your tax-deductible charitable donation helps provide shelter, medical care, behavioral enrichment, and more for thousands of homeless, injured, and neglected animals waiting to find a home and a family to love..






Donation Product That Profit our Shelter



Mug

Dog Treats

Dry Food



Cat Bio Litter

Dogs Diapers

Mug

Price : \$7

Price : \$15




Price : \$5

In Stock : 100

In Stock : 100

In Stock : 100

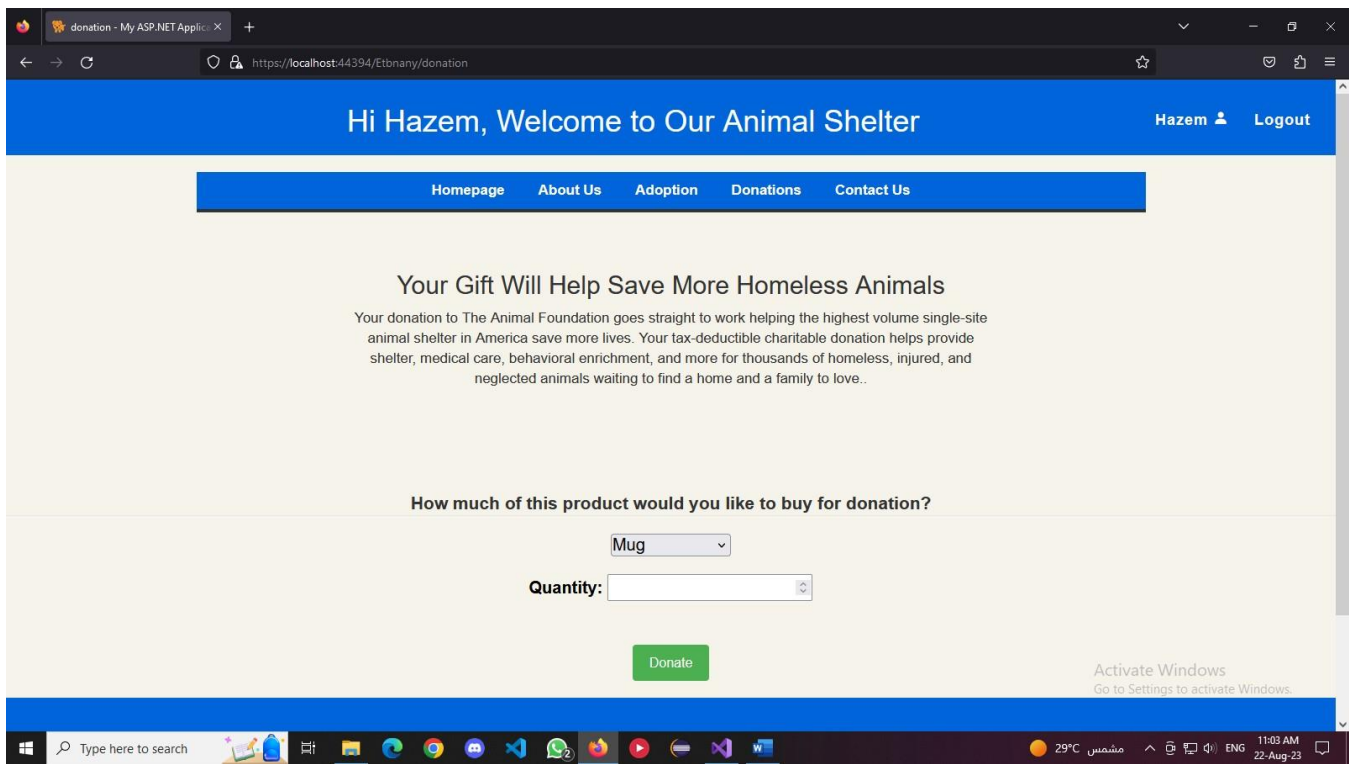
Donate



Activate Windows
Go to Settings to activate Windows.

Type here to search 29°C مشمس 10:54 AM 22-Aug-23

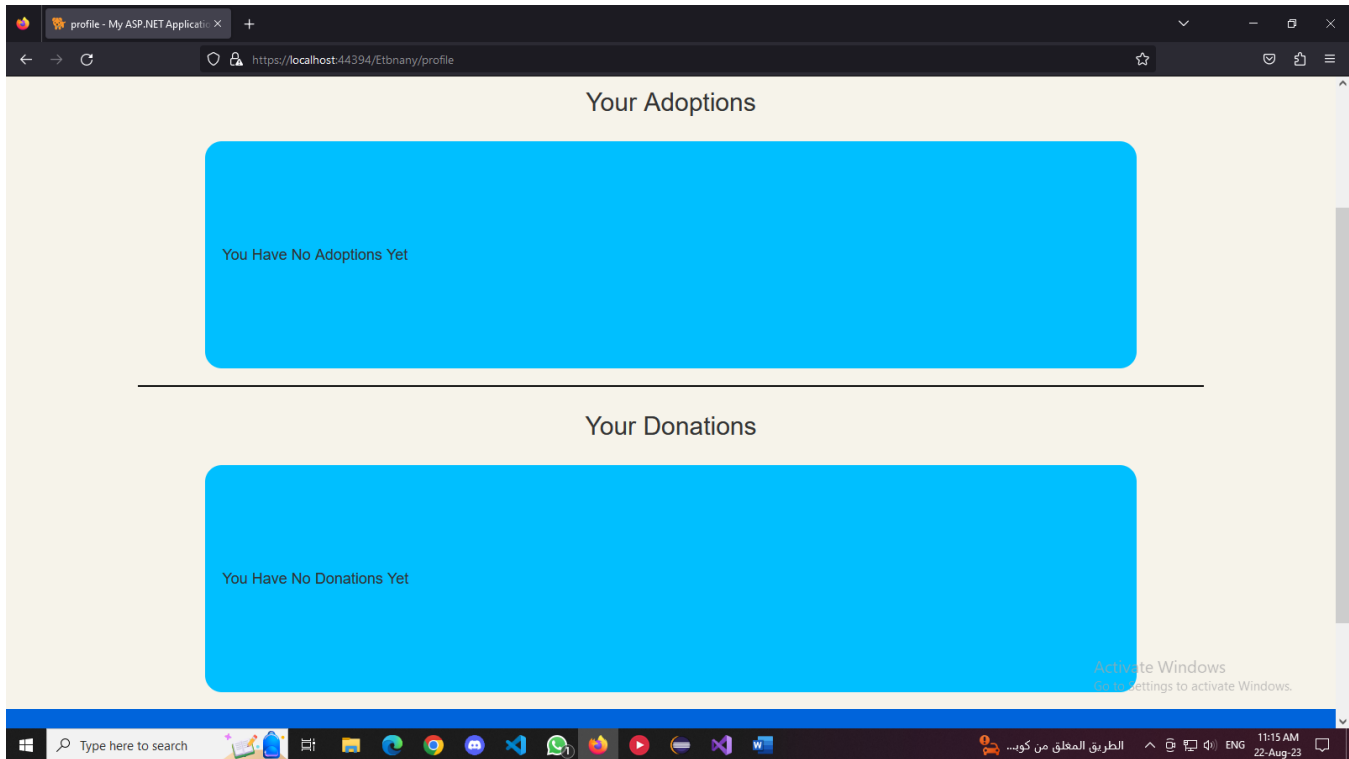
- The Donation page is as equally important to the website as the Adoption page, because it also serves the purpose of taking care of the pets, but for them to stay with us in the shelter while you buy for / donate to them food, diapers, etc... And, you can find products to buy for yourself as well as an animal lover, like mugs with animal photos on, etc...
- You will be shown the products that the shelter needs on daily basis for our animals, and also some products that you might be interested in. Similar to the animal grid, take a good look at the products and their accompanied basic details, including its stock level, which indicates the quantity available for this product currently.
- After you have taken your good look and ready to buy / donate, click the “Donate” button, which will take you to the following view:



- Here, you are required to choose the name of the product, and provide us with how much of this product would you like to donate for or buy. But be careful, the quantity generally cannot exceed 100 as this is our max stock level, otherwise the form would not be submitted in the first place. More specifically, if (after submission of the form, the website finds out that) the actual current stock level of the chosen product is less than the quantity desired, you will be redirected back to the Donations Page to have a good look again on the products and make sure you are aware of the stock levels and your desired quantity compared to that.
- But if your desired quantity met the current stock level, the process of the donation completes, and you become redirected to the Home Page.

- Note that when a product is unavailable (no stock of it currently) it is removed from the products grid page. Also note that as long as there is stock for a certain product of your desire, you could donate for several times / transactions, so you can repeat the process for a certain product several times as long as there is stock of that product.

8- Profile Page:




- In your own profile page, you are shown your accepted adoptions and donations (if you have made any). The above view shows the view of a new user who have not made any adoptions or donations yet.
- The following view is for a user who have already adopted two pets and donated / bought 2 different products.

profile - My ASP.NET Application


https://localhost:44394/Etbnyan/profile

Homepage About Us Adoption Donations Contact Us

Your Adoptions



Keane
Type : dog
Age : 11 months
Gender : male



Coutinho
Type : cat
Age : 8 months
Gender : male

Activate Windows
Go to Settings to activate Windows.


Type here to search

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profile - My ASP.NET Application

https://localhost:44394/Etbnyan/profile

Your Donations



Mug
Quantity Donated : 10
Total Money Donated : \$50



Dry Food
Quantity Donated : 5
Total Money Donated : \$50

Activate Windows
Go to Settings to activate Windows.

Type here to search

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6-Technologies and Concepts used:

- HTML, CSS, JavaScript on the Front-End
- Asp.Net MVC Architecture on the Back-End
- Visual Studio
- SQL Database Server
- SQL Management Studio
- Entity Framework version 6.4.4
- Code First Approach (Using Migrations)
- DbContext and DbSet classes in the Model Folder
- One Controller “Etbnany controller”
- HTTPGet and HTTPPost annotations
- System.ComponentModel.DataAnnotations
- System.ComponentModel.DataAnnotations.Schema
- Client Side annotations like [Key]
- Razor Syntax, ViewBag, and @Model objects
- LINQ queries
- All CRUD operations (Create, Read, Update, Delete)
- Variety of Validations on the Client-Side and Server-Side
- And many more...