

REPORT

WECARE- A Pet and Plant Adoption Website

Objective:

An interactive forum for all the pet and plant lovers out there that connects you with caring individuals that are ready to take care of your plants or pets when you are out, we'll connect you to a person who's willing to take care of your pet/plant. The user can even do all the pet/plant related shopping from this website. Its a one stop destination for all your pet/plant related needs.

Features Implemented:

We created an interactive website for this project, which we believe achieves our goal of lending, adopting, shopping an easy, hassle-free, and most importantly, online operation. The WeCare website, as we refer to it, has different pages and UI appropriately designed. Coming to the implementation, our website, just like most others, is divided into three sections: the front-end, the server, and the back-end. The front-end is primarily made up of HTML5, JavaScript, and CSS3 for the majority of the styling. MySQL is used for the backend (technically MariaDB, 100 percent compatible with MySQL). This website is currently hosted on an apache server that was created with XAMPP, a cross-platform web server solution. PHP is used to access the database from the website. We have also implemented an automatic SMS bot using Twilio's API and integrated it with our website using php such that the users are notified of any important messages.

FRONT END:

The part in which the user can interact easily in a website, is commonly known as front-end of a website. There are several sites for developing this, such as WordPress, notepad, bootstrap, and many text editors, such as notepad, WebStorm, Visual Studio Code, and so on. In order to build our front-end website, we primarily used three languages: HTML5, CSS3, and JavaScript.. A static HTML page is transformed into a dynamic interface using JavaScript. It's basically used to control a web page in response to events like clicking a button to go anywhere, getting user inputs, and so on. For dealing with the above languages, we used notepad, a common text editor. We used JavaScript throughout to transform a static HTML page into a dynamic interface. It's basically used to control a web page in response to events like clicking a button to go anywhere, getting user inputs, and so on. We used a common text editor that is notepad for dealing with above languages. We believed using a simple text editor is a good way to learn HTML, CSS and JavaScript. It made it easier for us to achieve our objectives by allowing us to code in it.

BACK END:

Now coming to the Backend- The Database, as already mentioned the database has been constructed in MySQL. We have followed the standard procedure taught to us in the course, step by step designing our database and then the website. We created a database in MySQL and step by step created tables, with suitable primary and foreign keys. After making the database we checked if all our requirements database-wise were being met. We then started with designing the website, and connecting the front-end and back-end through the apache server. The database and the website are both secured against SQL Injection by preparing the statements (in PHP) before execution, as well as against HTML Injection when necessary. This website also makes an effort to preserve concurrency by employing transactions when necessary. We also modified it in a way so that multiple logins by the same user are not allowed at the same time, to prevent the database from storing repeated, duplicate, or incorrect data. The database also has a user log which notes the login activity of the users.

Database Details:

The Database(ACBS) consists of 8 tables which are self explanatory, they are :-

1)Customer Details: shows Customer details (used for login).

Column	Type	Null	Default
Name	varchar(50)	No	None
Email_id	varchar(40)	Yes	NULL
Password	varchar(70)	No	None
Ph_no	varchar(13)	No	None
Unique_id	int(11)	No	None
Session_id	varchar(100)	Yes	0

2)User_log:

Column	Type	Null	Default
Serial_no	int(11)	No	None
Time_stamp	timestamp	Yes	NULL
Ip_address	varchar(50)	Yes	NULL
Session id	varchar(100)	Yes	NULL
Unique user id	int(11)	Yes	NULL

3)pet_info:

Column	Type	Null	Default
ID	Int(11)	No	None
Pet	varchar(20)	No	None
Breed	varchar(40)	No	None
Pet_Name	varchar(40)	No	None
Age	int(20)	No	None
Gender	varchar(20)	No	None
Weight	Int(110)	No	None
Vaccination	varchar(20)	No	None
Date_of_lending	Date	No	None
Date_of_return	Date	No	None
Phone_number	Bigint(20)	No	None
Address	Text	No	None
Additional_Info	Text	No	None
Image	longblob	No	None

4)plant_info:

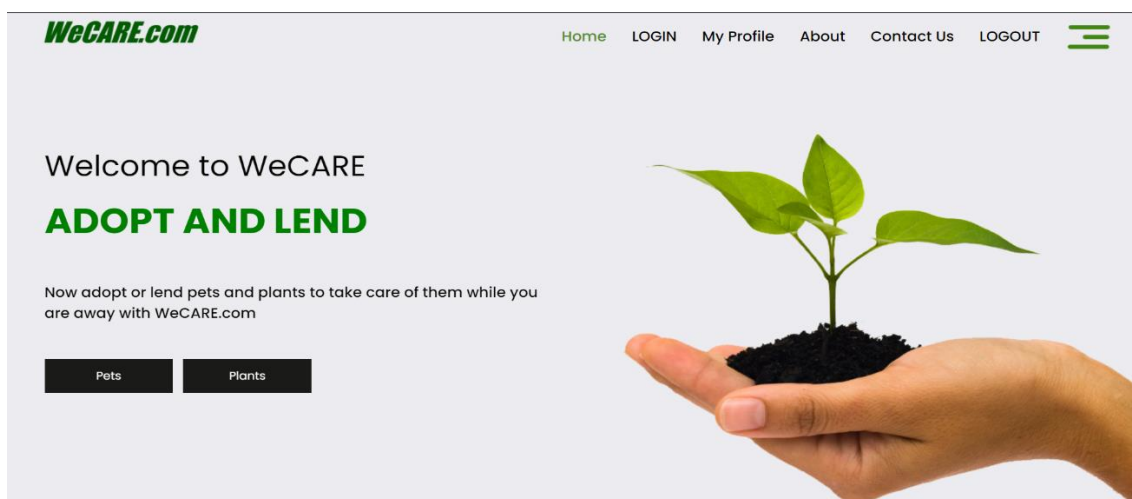
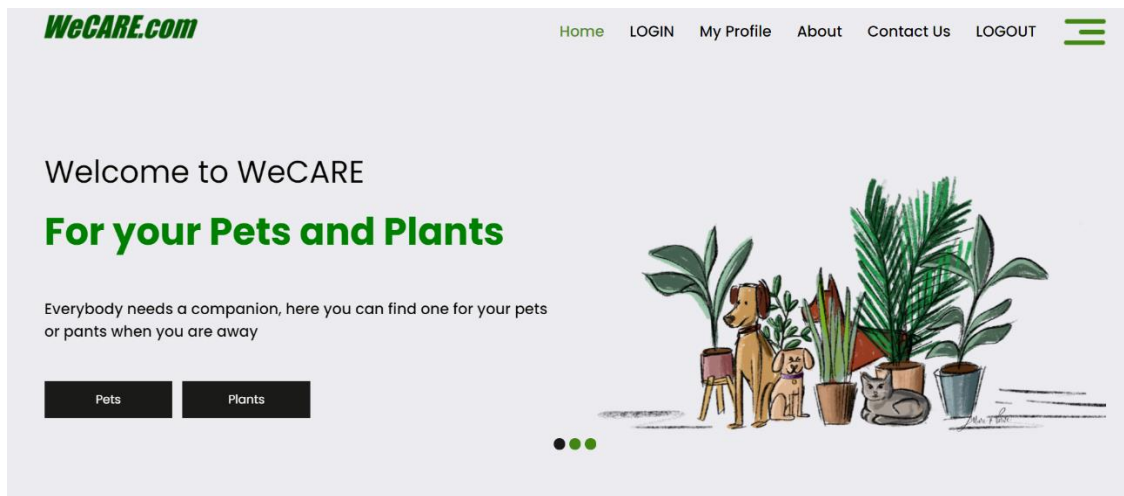
Column	Type	Null	Default
Id	Int(11)	No	None
Plant	Varchar(40)	No	None
Age	Int(11)	No	None
Nature	Varchar(20)	No	None
Watering	Float	No	None
Date_of_lending	Date	No	None
Date_of_retrun	Date	No	None
Phone_number	Bigint(20)	No	None
Address	Text	No	None
Info	Text	No	None
Image	longblob	No	None

5)user_log:

Coloumn	Type	Null	Default
Serial_No	Int(11)	No	No
Time_stamp	Timestamp	Yes	NuLL
Ip_address	Varchar(50)	Yes	NULL
Session_id	Varchar(100)	Yes	NULL
User_unique id	Int(11)	Yes	NULL

These are the few snapshots of our webpages. As you can see all these are very much self explanatory.

1) Home page



ADOPT AND LEND

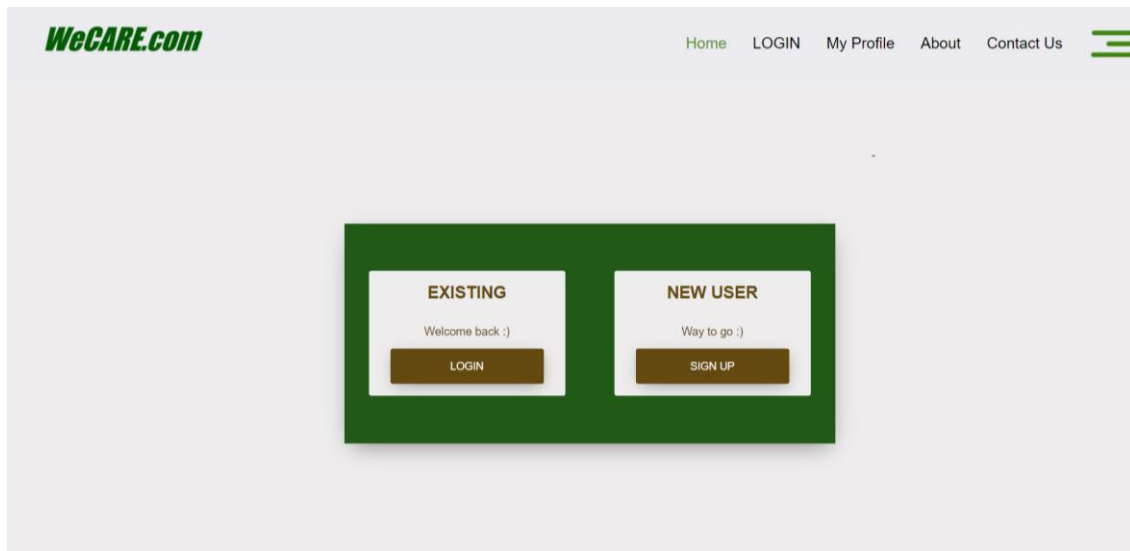
Find caretakers for your Pets and Plants

Going on a trip? Can't find an acquaintance who's ready to look after your pets or plants when you're away? Look no more, all you need to do is sign up and fill in the required details and we'll connect you to a person who's willing to take care of your pet/plant.



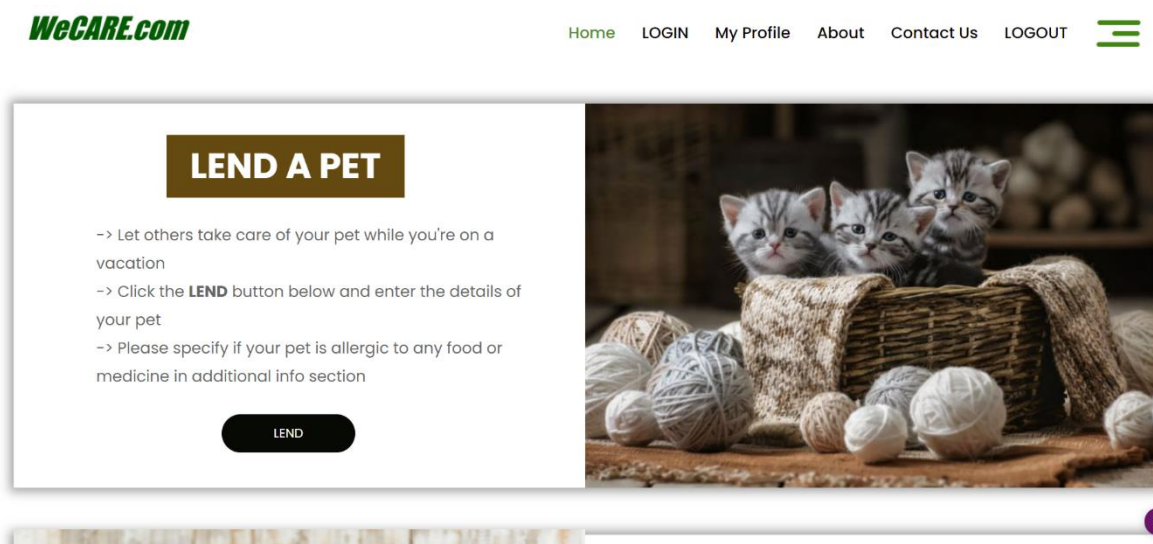
2) Login page


New users can register by entering their details.
Existing users can login using their credentials



3) Pet lending page

Users can lend the pets they wish to by entering required details in the website which get stored in the database automatically when submitted





WHAT ARE YOU LENDING?

Enter the Details

Pet : Select a option

Breed :

Pet Name :

Age :

Gender : Select a option

Weight :

Vaccination : Select a option

Date of Lending :

Date of Return :


Phone Number :


Address :


Additional Info :

4)Pet adoption page:

This shows the pets available for adoption which are retrieved from database



[Home](#)
[LOGIN](#)
[My Profile](#)
[About](#)
[Contact Us](#)
[LOGOUT](#)





BRUNO

Dog - The Beagle

Age : 7
Gender : Male
Weight : 12
Vaccination : Yes
Date of Lending : 2021-11-16
Date of Return : 2021-11-30

Phone Number : 9390003478
Address : 52/2, Punjabi Bagh Extn, Delhi
Additional Info : Cute Dog dflsfb sflsfb sefb

ADOPT THIS PET



TOMMY

Dog - Labrador retriever

Age : 17
Gender : Male
Weight : 21
Vaccination : Yes
Date of Lending : 2021-11-18
Date of Return : 2021-12-14

Phone Number : 9390003478
Address : Gandhi nagar, Ahmedabad
Additional Info : Human Friendly.

ADOPT THIS PET

5) Pet care tips page:

This displays pet caring tips and youtube hyperlink videos for practical purposes.

WECARE.COM


Home LOGIN My Profile About Contact Us LOGOUT

PET CARE TIPS

Pets are man's best friend. Nothing can surpass their loyalty towards the family that they belong to. They are as much as a family member as any of the humans. Thus, it is essential that they are taken care of properly so that they too can live a comfortable life. Here are a few tips on how to take care of your pet

DOGS :

- Make sure you have enough time and patience. Your puppy will not know how to be well-behave naturally. However, he will want to please you, which will help you when you train him
- Set Limits - Your dog should have a clear and consistent set of rules that everyone in the house follows with the dog. For example, teach your dog he may not run through doors to the outside without your permission. Make sure everyone in the house follows this rule - Always! Keep in mind, dogs are very bad at generalizing!!!



How to TAKE CARE of a PUPPY Go... Watch later Share


Watch on YouTube

- Management vs Relationship - While it is very important to have limits, not every interaction should be obedience. Too many rules, and you will have a stressed out human and dog! Have rules for things that are important to you and the safety of the dog. Going overboard is no fun for anyone and does not help your relationship. Be thoughtful and selective about the rules you will enforce.
- Get her used to grooming It is imperative that you get your pup used to being groomed regularly, right from early on Puppies that are not handled sufficiently when young known to resent being groomed and handled later on in life.


6) Pet shopping:

This page lists the accessories available for purchase required for your pet.


CHOOSE A RIGHT PRODUCT FOR YOUR PET




PEDIGREE
MRP 3,198/-
[BUY NOW](#)




FEEDING BOWL
MRP 199/-
[BUY NOW](#)





PET BED
MRP 699/-
[BUY NOW](#)




GROOMING BRUSH
MRP 249/-
[BUY NOW](#)









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Same pages follow for the plants section also

7) Plant lending page:

WHAT ARE YOU LENDING?

Enter the Details

Plant type :

Age :

Nature of Plant :

Watering frequency:


Date of Lending :

Date of Return :


Phone number :

Address :

Additional Info :



8) Plant adoption page:




JADE PLANT

Indoor

Age : 10
Watering Frequency : 5
Date of Lending : 2021-11-13
Date of Return : 2021-11-18
Phone Number : 9234578961

Address : Bose Lane, Delhi
Additional Info : Needs frequent checkup

ADOPT THIS PLANT



SAINTPAULIA

Outdoor

Age : 7
Watering Frequency : 3
Date of Lending : 2021-11-13

Address : Central park street, Mumbai
Additional Info : Provide liquid flower plant fertilizer more or less to extend the

9) Plant care tips page:

PLANT CARE TIPS

Different plants require different temperature, hydration, humidity conditions to thrive. See how you can take care of your plants

INDOOR PLANTS :

- Learn to recognize when houseplants need water. Provide your plants with enough water to keep the soil moist but not soggy
- Be aware of temperature, humidity, and ventilation. Most houseplants thrive in temperatures between 65 and 75°F during the day and about 10 degrees cooler at night. Placing a fan near your houseplants to circulate air can evaporate excess moisture and prevent dust buildup on leaves.

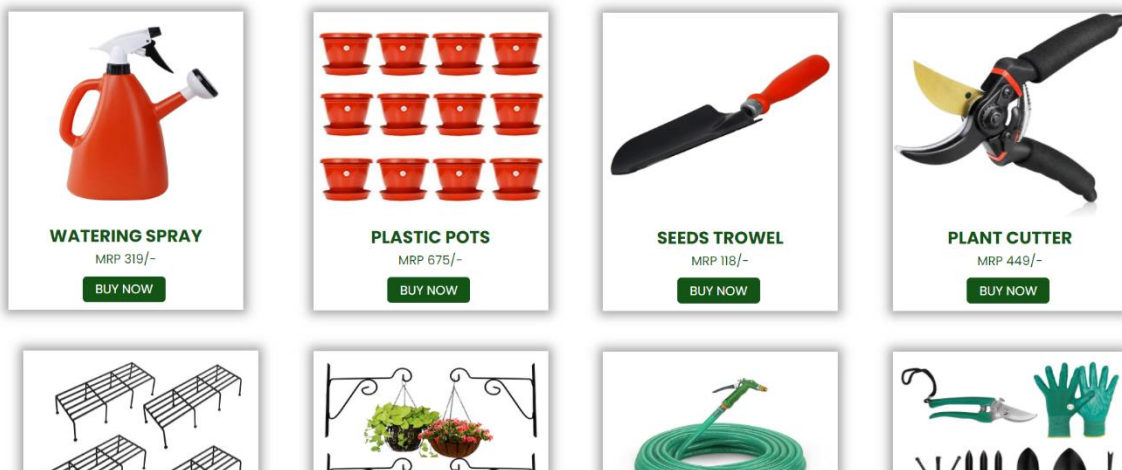


- Ensure that your houseplants get the right amount of light. All plants need light energy for photosynthesis, but different houseplants require different amounts of light. With the exception of desert cacti and other succulents, most houseplants need indirect light rather than direct light.
- Use the right potting soil. A high-quality potting soil will help plant roots grow by providing the ideal balance of nutrition, aeration, and water

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10) Plant shopping:

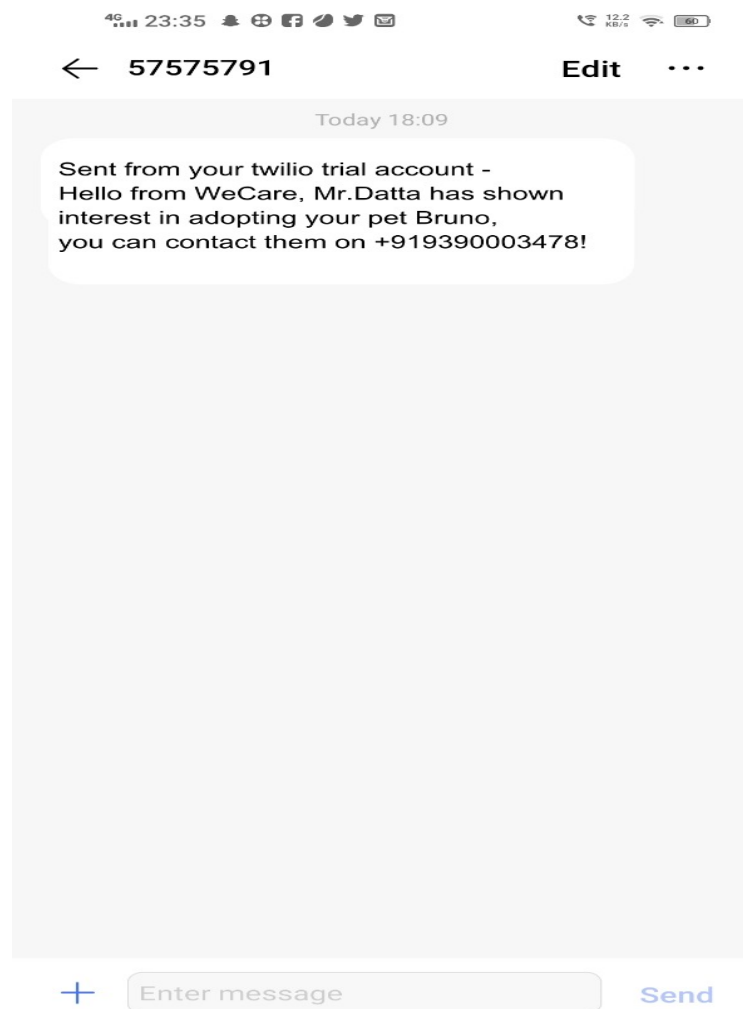
CHOOSE A RIGHT PRODUCT FOR YOUR PLANT

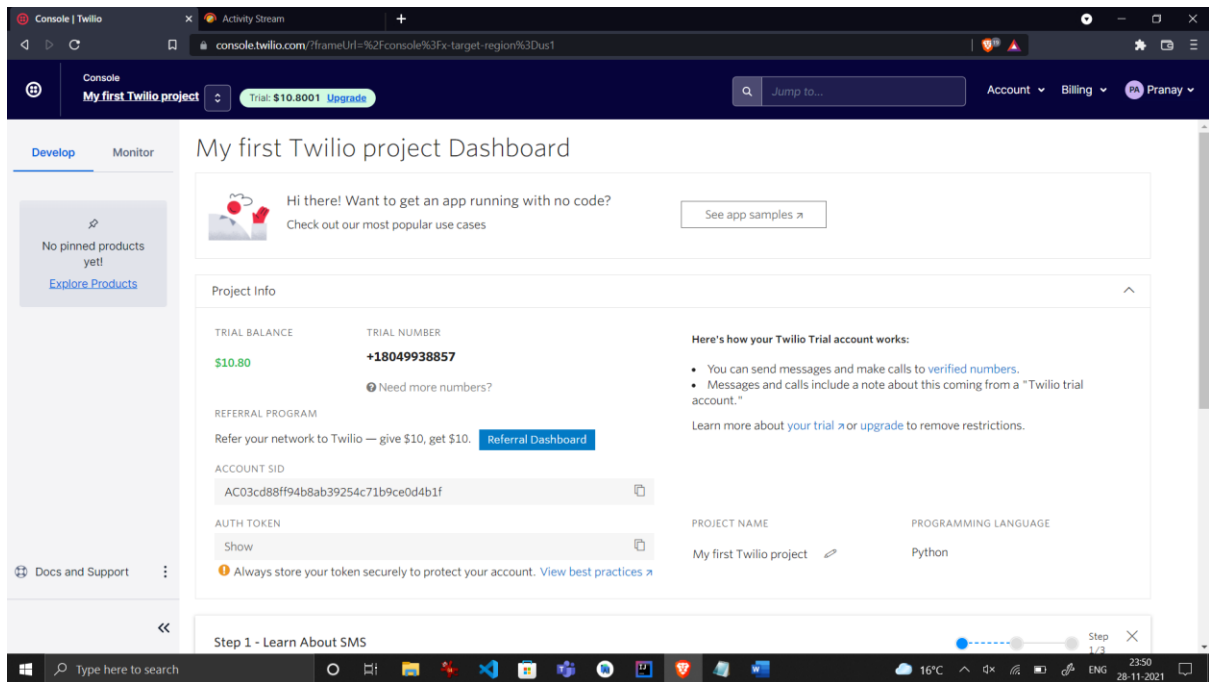


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11) Automated SMS integration:

This feature has been made by using the composer/Twilio API and adding it to the xampp path in the local host system and integrating it with the webpage using php.





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