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. Itsa 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:

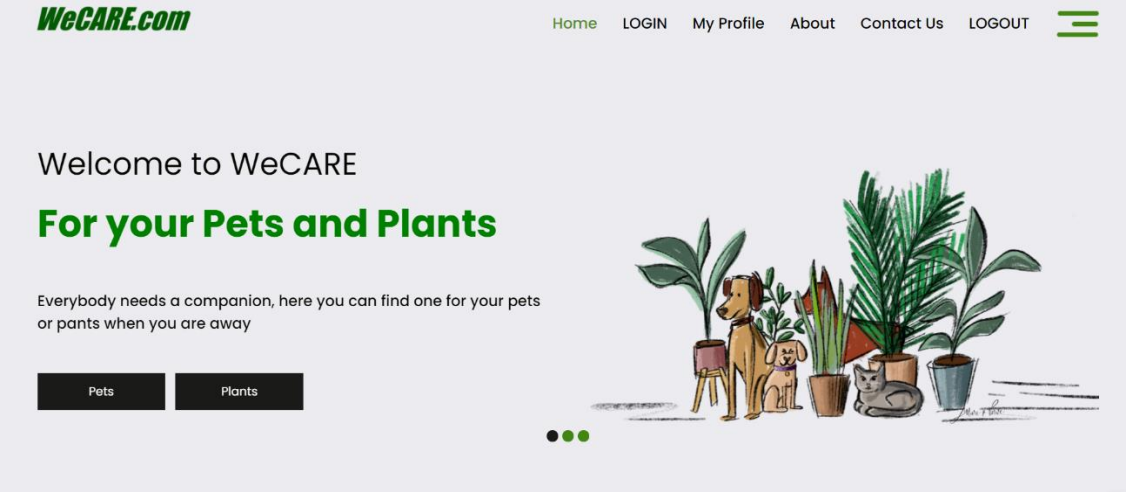
Column	Type	Null	Default
Id	Int(11)	No	None
Plant	Varchar(40)	No	None
Age	Int(11)	No	None
Nature	Varchar(20)	No	None
Watering	Float	No	None
Date_of_lending	Date	No	None
Date_of_retrun	Date	No	None
Phone_number	Bigint(20)	No	None
Address	Text	No	None
Info	Text	No	None
Image	longblob	No	None

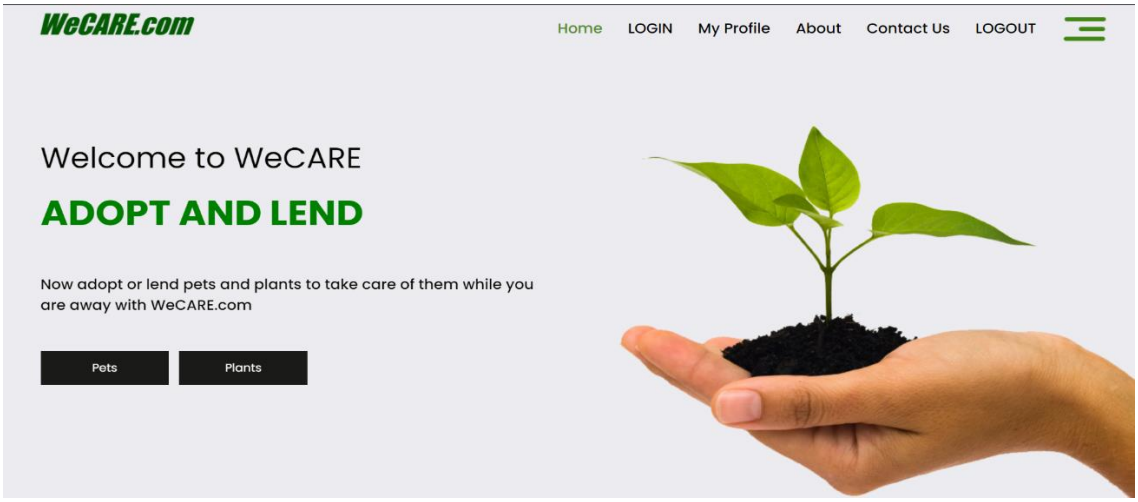
5)user_log:

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.

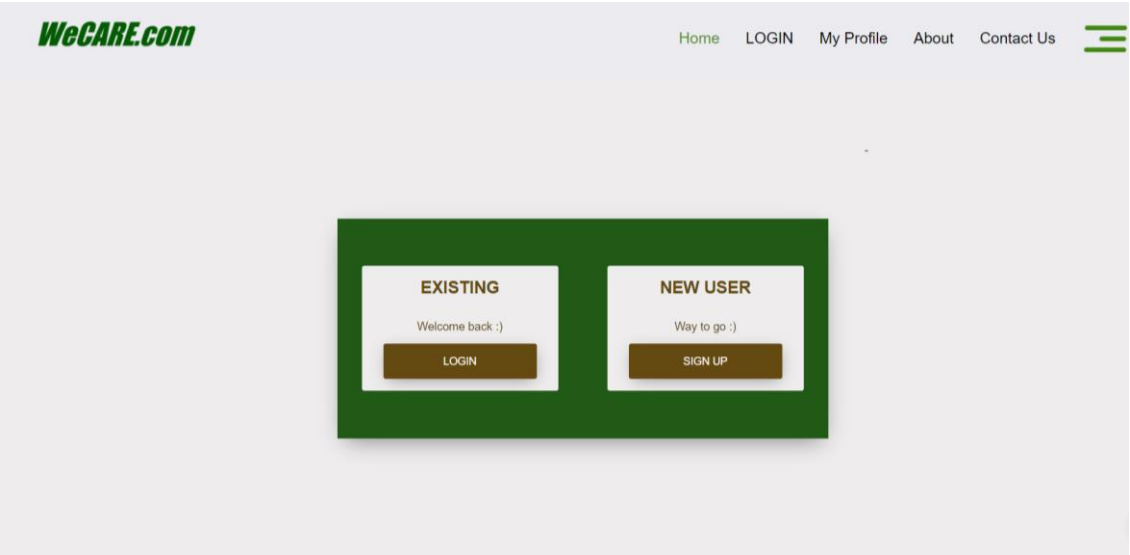
1) **Home page**





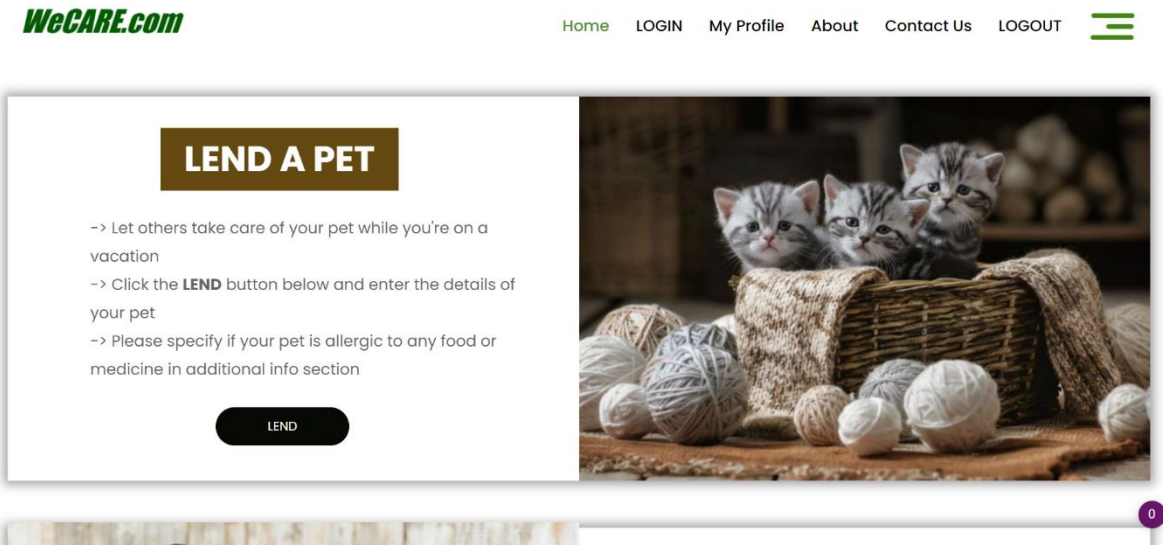
2) **Login page**

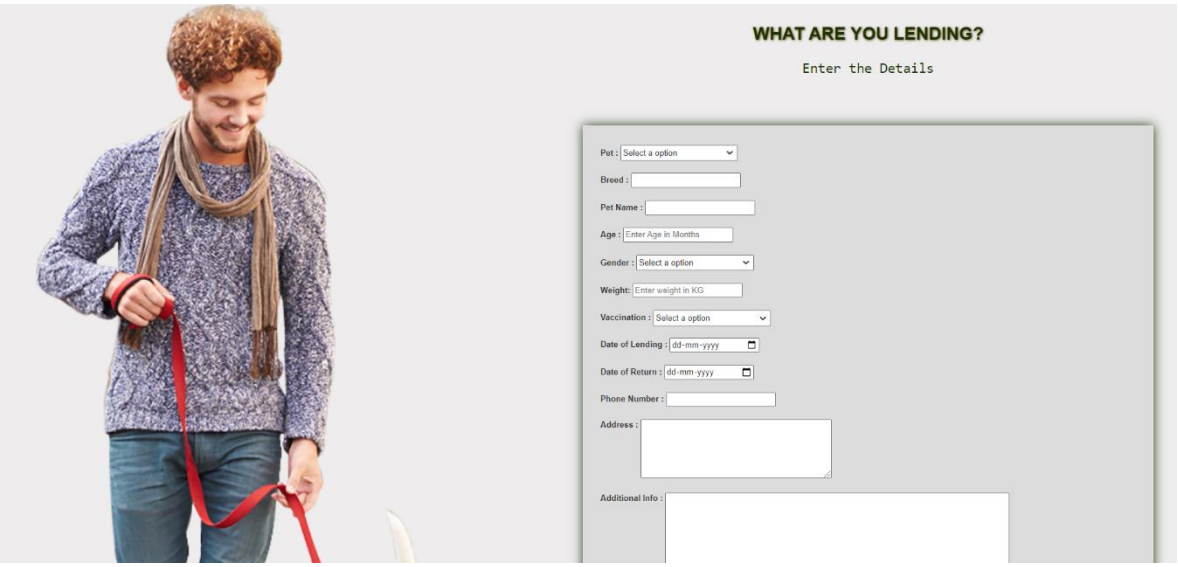
New users can register by entering their details.
Existing users can login using their credentials



3) **Pet lending page**

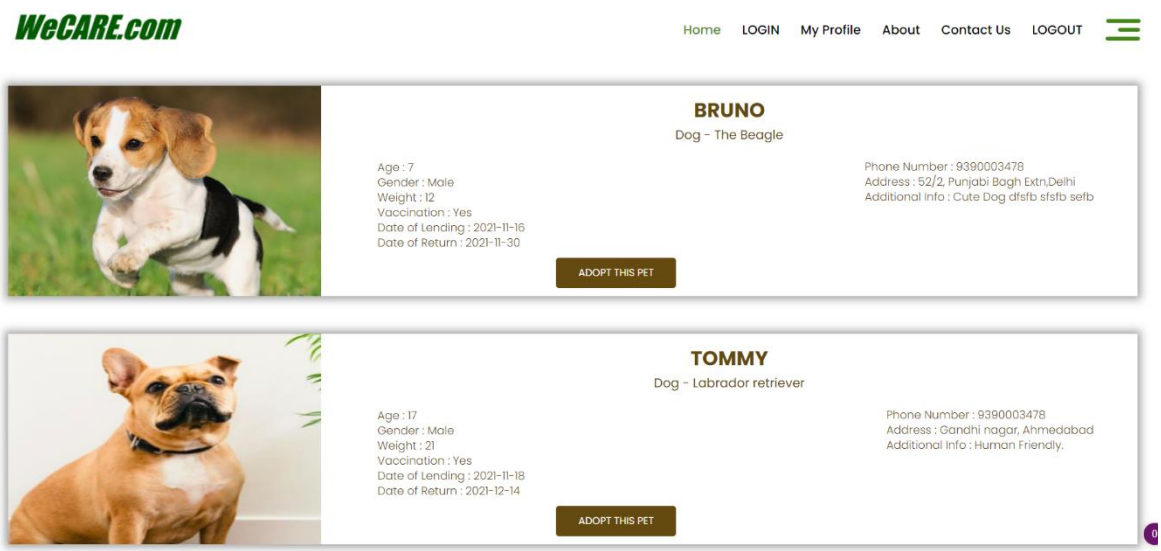
Users can lend the pets they wish to by entering required details in the website which get stored in the database automatically when submitted





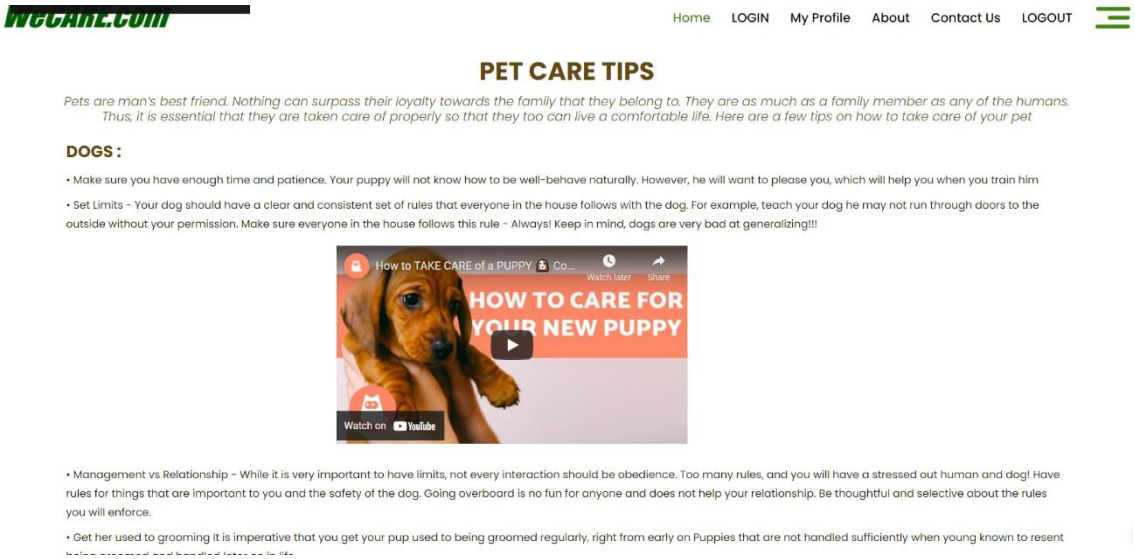
4)Pet adoption page:

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



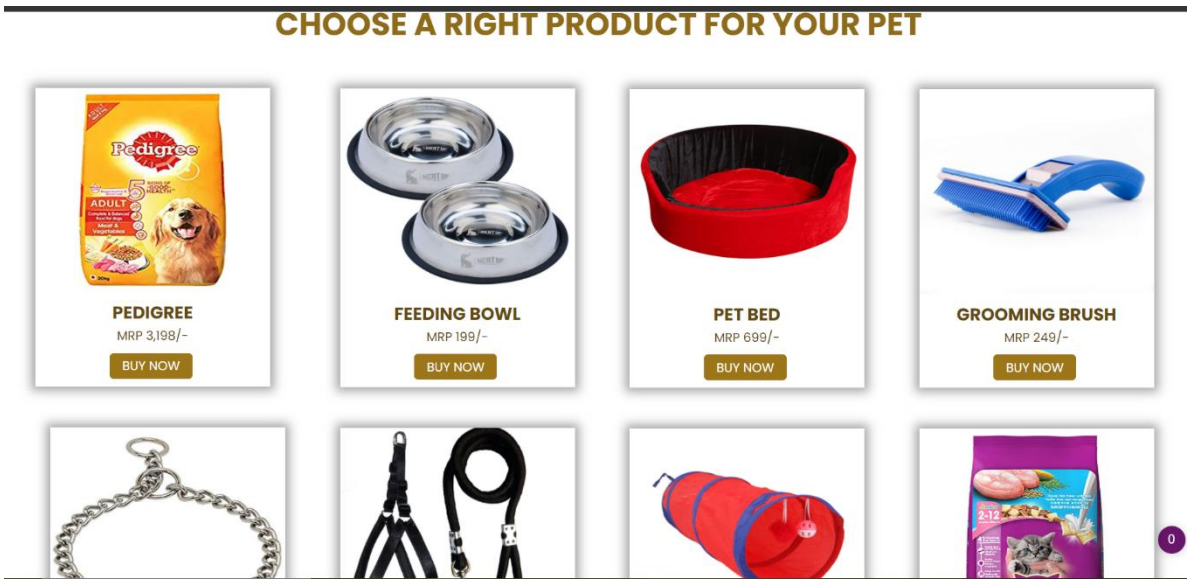
5) **Pet care tips page:**

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



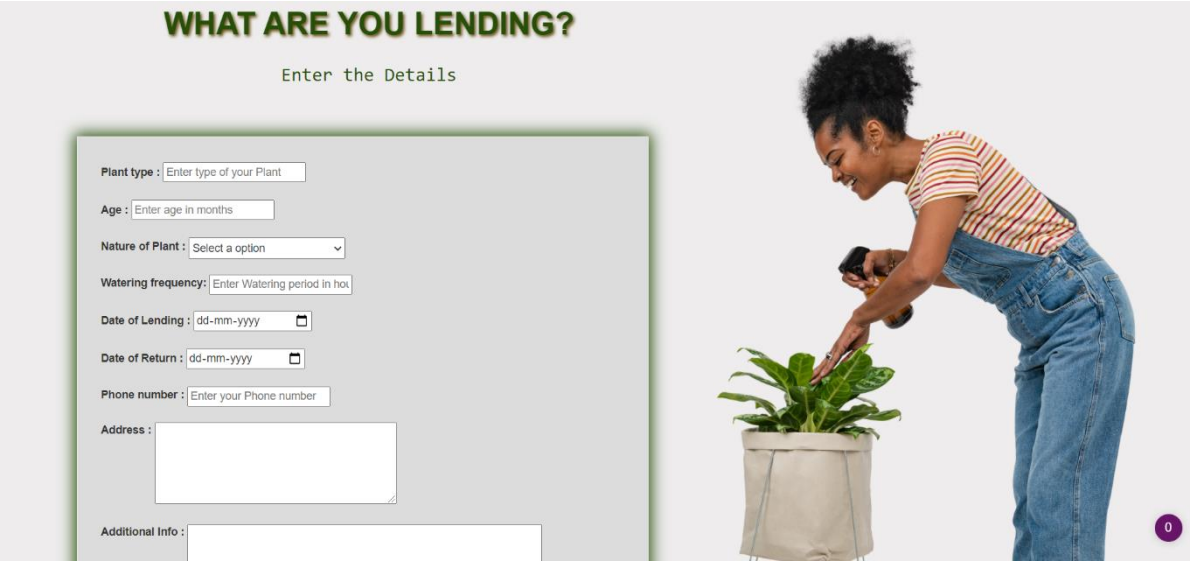
6) **Pet shopping:**

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

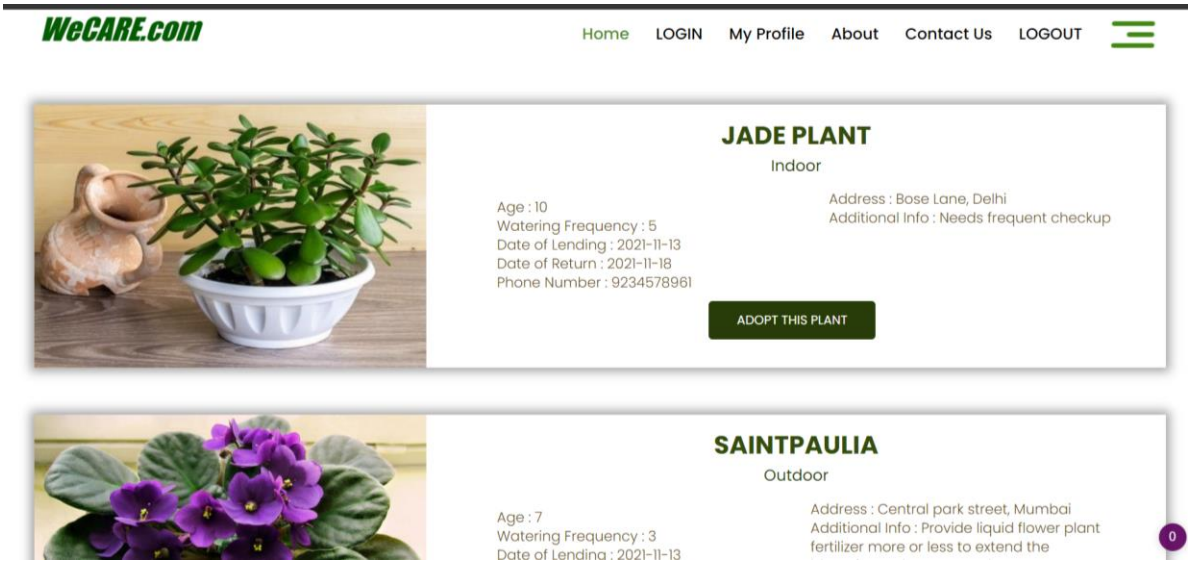


Same pages follow for the plants section also

7) **Plant lending page:**



8) Plant adoption page:



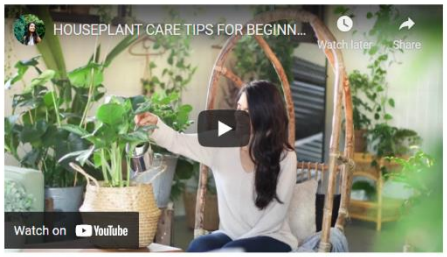
9) Plant care tips page:

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:

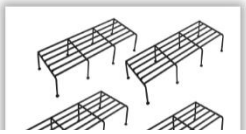
CHOOSE A RIGHT PRODUCT FOR YOUR PLANT

WATERING SPRAY
MRP 319/-
BUY NOW

PLASTIC POTS
MRP 675/-
BUY NOW

SEEDS TROWEL
MRP 118/-
BUY NOW

PLANT CUTTER
MRP 449/-
BUY NOW



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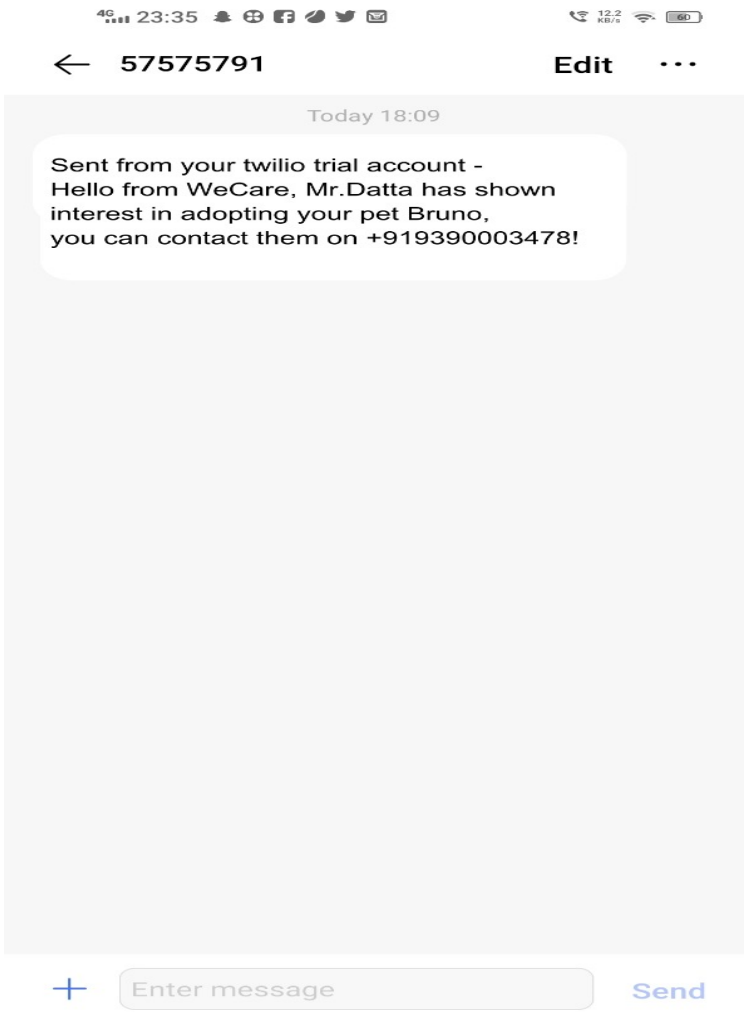
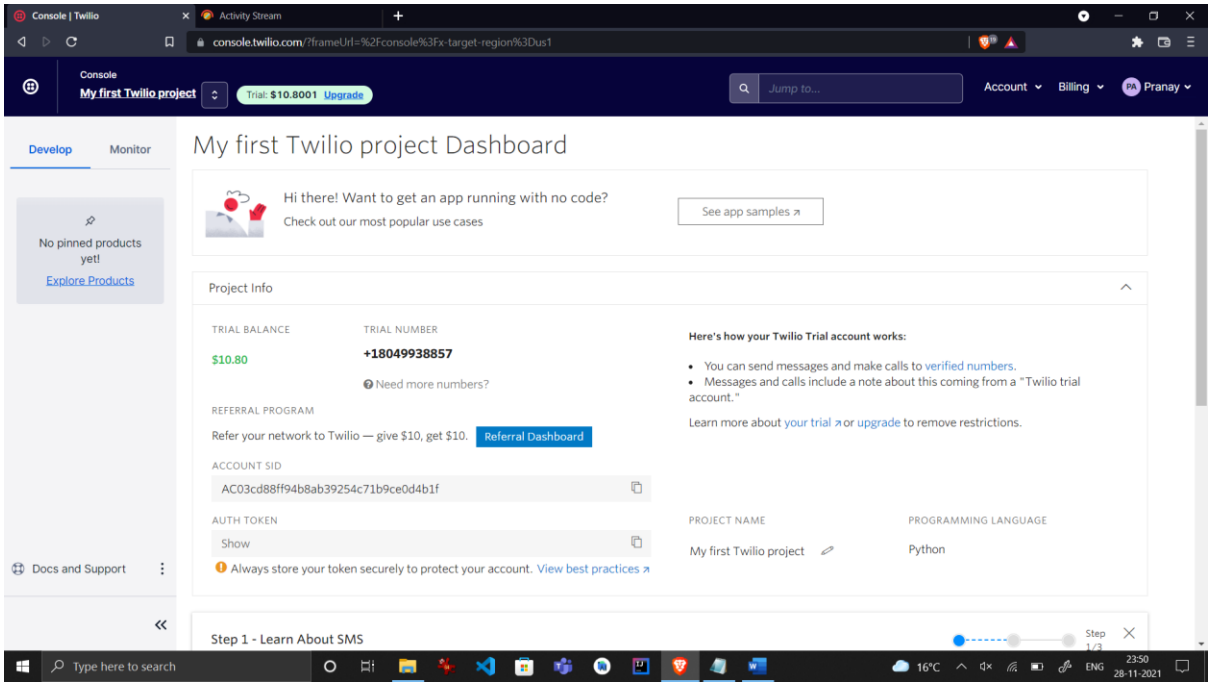
11) Automated SMS integration:

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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