**Introduction**

The website combines technology and volunteer efforts to reunite pet parents with their lost pets. A pet owner, Brad’s awful experience, conceived the idea of this website

#### **How this website works:-**

* The Pet owner reports the location from which the pet went missing or was found. If your location is not correct, the website support team can help you update it.
* This website establishes a radius that finds dogs in proximity for the pet parents to review.
* It also searches for any animal shelter or rescues nearby to make the search easier.
* If your pet goes missing, post its picture on the community. On the other hand, if you come across a lost dog, you post its image on the website page.
* Site users can get a customized step-by-step plan of action. You can also get a personalized street flyer that you can download and print.
* The community helps in tracking down all lost pets. They browse through the photo matches and send any leads when they see a possible match. The community of pet lovers can also help you hang flyers and sharing them among their network of friends.
* The website can also send free Dog Amber Alerts to your family members and friends.
* The site ensures your privacy by using a different number on the flyers.

**Technology Used:**

**Front-End**: HTML, CSS, Java, Script, React.

**Front-End Framework:-**

React JS: The client-side frameworks based on JavaScript are currently creating a lot of buzzes. React is one such web-development framework that has gained enormous popularity as a JavaScript-based client-side framework. React’s features have made it a popular web development technology for enterprises and developers across the globe.

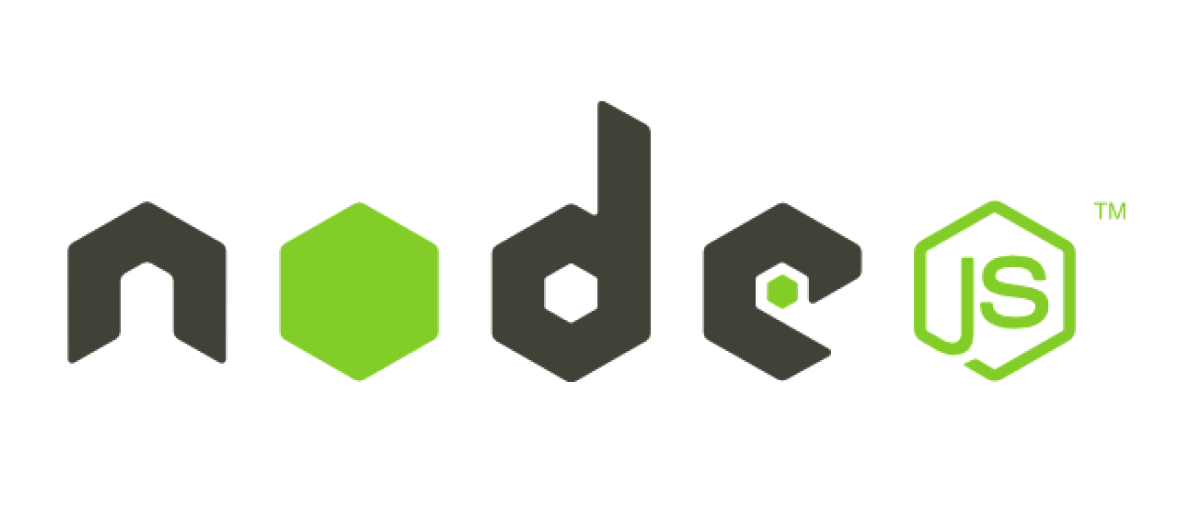
**Features:-**

* React.js implements the View layer for UI. You can also use it for [end-to-end application development](https://www.ishir.com/platform_technology/reactjs-development-services.htm).
* React.js develops apps for all kinds of user interfaces, including Web, Mobile, Desktop, and Smart TV.
* React offers top-notch server-side rendering with extraordinary SEO support.
* Currently, React.js features are being tested with 2.7 billion Facebook users to keep up with the industry trends.
* React.js is one of the most innovative frameworks with some of the coolest features like one-way data binding and declarative programming.

**Back-End**: Node JS, SQL.

**Back-End Framework:-**

**Node.js**

[](https://www.orientsoftware.com/technologies/node-js/)

[Node.js](https://www.orientsoftware.com/technologies/node-js/) is an open-source, cross-platform, back-end, JavaScript runtime environment for writing server-side applications using JavaScript. Node.js is usually used for non-blocking, event-driven servers for traditional websites and back-end API services.

Node.js is known for being lightweight and efficient and is perfect for data-intensive, real-time applications that run across devices. Popular websites that use Node.js include Netflix, Paypal, Medium, LinkedIn, Uber, and eBay.

**How can we determine location?**

# **By using HTML5 Geolocation**

The Geolocation is one of the best HTML5 API which is used to identify the user's geographic location for the web application. This new feature of HTML5 allows you to navigate the latitude and longitude coordinates of the current website's visitor. These coordinates can be captured by JavaScript and send to the server which can show your current location on the website

Most of the geolocation services use Network routing addresses such as IP addresses, RFID, WIFI and MAC addresses or internal GPS devices to identify the user's location.

The user's location is the privacy concern, so geolocation API protects the user's privacy by taking the user's permission before getting the location. Geolocation API sends a notification prompt box which user can allow or deny, and if the user allows then only his location will be identified.

**Feasibility Study (For this website):-**

**1.Technical Feasibility –**   
In Technical Feasibility current resources both hardware software along with required technology are analyzed/assessed to develop project. This technical feasibility study gives report whether there exists correct required resources and technologies which will be used for project development. Along with this, feasibility study also analyzes technical skills and capabilities of technical team, existing technology can be used or not, maintenance and up-gradation is easy or not for chosen technology etc.

**2.Schedule Feasibility –**   
In Schedule Feasibility Study mainly timelines/deadlines is analyzed for proposed project which includes how many times teams will take to complete final project which has a great impact on the organization as purpose of project may fail if it can’t be completed on time.

**Need of Feasibility Study :**   
Feasibility study is so important stage of [Software Project Management Process](https://www.geeksforgeeks.org/software-engineering-project-management-process/) as after completion of feasibility study it gives a conclusion of whether to go ahead with proposed project as it is practically feasible or to stop proposed project here as it is not right/feasible to develop or to think/analyze about proposed project again.

Along with this Feasibility study helps in identifying risk factors involved in developing and deploying system and planning for risk analysis also narrows the business alternatives and enhance success rate analyzing different parameters associated with proposed project development.

**Why are we making this website and how pets are important to us:-**

**Pets can enhance your mood**  
Whether you believe it or not, pets are a great way to improve your mood and temperament. Research has shown that people who suffer from various diseases have lesser chances of depression if they keep pets as compared to those who are suffering from similar diseases and don’t keep pets.

**Help to control**[**blood pressure**](https://timesofindia.indiatimes.com/life-style/health-fitness/health-news/Home-remedies-to-cure-low-blood-pressure/articleshow/6241198.cms)  
Health experts say that dog owners have less blood pressure and heart rates. This eventually reduces the need to take medicines and also helps reduce cholesterol and triglyceride levels.  
  
**A source of exercise**  
Want someone who will accompany you for walks? Dogs can be great companions and will happily go out for walks, at times even urging you for a walk, when you’re too tired, thereby keeping you active and fit. Other activities related to pets like feeding, bathing, playing and cleaning are also good ways to exercise.