



NITTE
EDUCATION TRUST

N.M.A.M. INSTITUTE OF TECHNOLOGY

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Department of Computer Science and Engineering

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Report on Mini Project

Catadogs

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ABSTRACT

Catadogs is an animal adoption website. Our idea is to keep the database for animals and users adoption records which can be accessed by the admin. The animal details will be made available to the normal users in the frontend.

The logged in users can choose an animal from the list and send request to the admin for adoption of particular animal. Admin can add or delete animal and their details as per the requirement.

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INTRODUCTION

Catadogs is an animal friendly website created to make the stray animals feel safe and to help out the adoption homes. Separate database is maintained for animals based on categories and user can go through pet details as per their requirement.

There are two types of user:

1. Admin user: Can add or delete animal details in the page and store it in database whenever required.
2. Regular user: Can look through the animal details and send a request for adoption through form to the admin. They can also contact the admin through contact us page with their queries.

PROBLEM STATEMENT

To build and maintain a database for adoption of animals through user login. Admin login has a special feature of adding and removing animal whenever required.

OBJECTIVES

- ❖ To have a safe place for animals with no shelter.
- ❖ To maintain database for animal information
- ❖ To maintain information for user information
- ❖ In the login detail , the password is stored in the encrypted format to ensure users' privacy and security.

HARDWARE/SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS:

RAM	2GB or more
Processor	Intel Core Processor
Hard Disk	100GB or more

SOFTWARE REQUIREMENTS:

Operating System	Windows/Linux/Mac OS
Server	LocalHost
Database	MongoDB
Code Editor	Atom Code Editor
Front-end	HTML, CSS, Bootstrap
Backend	Nodejs and Mongoddb

METHODOLOGY

User is required to login with valid credentials to look into the actual website. Incase of non existing user , he/she will be redirected to signup page and then to the home page.

Home page consists of introduction and brief welcome to the users. It has options for the user to select the category of the required animal.

It also has Contact Us feature in the navbar where the user can contact admin in case of any query.

In case of admin login , admin is allowed to add and delete animals which will be reflected on both admin and user side.

IMPLEMENTATION

- Download and install Visual Studio Code (Code Editor)
<https://code.visualstudio.com/Download>
- Download and install mongodb:
<https://www.mongodb.com/try/download/community>

Front-end languages:

HTML: Hyper Text Markup Language is a front end language to create basic outline of a website. It provides various tags and attributes to hold the content which is displayed in the browser. It defines the structure of a web page.

CSS: Cascading StyleSheet is a style-sheet language that defines how a web page should look to the user.

Bootstrap: It is HTML, CSS, JavaScript framework, which is used to create responsive mobile first web pages. It is basically a CSS and JavaScript file which contains a set of classes and functions which you include in your web page.

Back-end languages:

Nodejs: Nodejs is an open source server environment which allows the javascript html css code to run on server. It is used for the traditional websites and back-end API services.

Mongodb: It is No SQL database that stores data in JSON like format using schemas. It makes use of Object Data Modelling library called mongoose.

RESULTS AND DISCUSSIONS

HOME PAGE:



[About](#) [Pets](#) [Contact Us](#) [Logout](#)

Catadogs

Adopt.
Save a life.



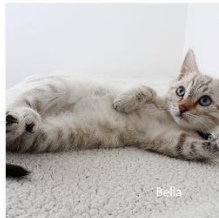
About Catadogs

Catadogs is an online, searchable database of animals who need homes. It is also a directory of nearly 1000 animal shelters and adoption organizations across India. Organizations maintain their own home pages and available-pet

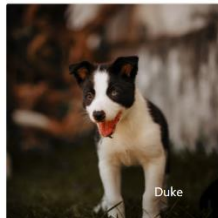
Pets available for adoption



Ricky



Bella



Duke

[Meet them](#)


Get in touch with us

If you have any questions, feel free to contact us,
By filling the form below.
If you are living nearby, please come visit us.


[Contact us](#)

USER DOG PAGE:


About Contact Us




"Such short little lives our pets have to spend with us, and they spend most of it waiting for us to come home each day"




Name: Uddi
Age: 4
Gender: Male
Breed: German Shepherd




Name: Luffy
Age: 3
Gender: Female
Breed: Boston Terrier




Name: Harley
Age: 3
Gender: Male
Breed: Boston Collie




Name: Bobo
Age: 5
Gender: Female
Breed: Labrador Retriever



Name: Ricky
Age: 4
Gender: Male
Breed: Labrador




Name: Oliver
Age: 3
Gender: Male
Breed: Golden retriever



Name: Rex
Age: 2
Gender: male
Breed: rex


Adopt

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USER CAT PAGE:


Home Contact Us




"Such short little lives our pets have to spend with us, and they spend most of it waiting for us to come home each day"




Name: Kitty
Age: 3
Gender: Female
Breed: Persian



Name: Chiku
Age: 1
Gender: Male
Breed: Siamese




Name: Bella
Age: 2
Gender: Female
Breed: Ragdoll



Name: Sally
Age: 1
Gender: Female
Breed: Birman


Adopt

© 2022 Catadogs, Inc.




ADMIN CAT AND DOG PAGE:


Dogs Cats Logout




"Such short little lives our pets have to spend with us, and they spend most of it waiting for us to come home each day!"



Name: Kitty
Age: 3
Gender: Female
Breed: Persian




Name: Bella
Age: 2
Gender: Female
Breed: Siamese




Name: Chiku
Age: 1
Gender: Male
Breed: Ragdoll


Add animal

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Dogs Cats Logout




"Such short little lives our pets have to spend with us, and they spend most of it waiting for us to come home each day!"




Name: Duke
Age: 4
Gender: Male
Breed: German Shepherd




Name: Tuffy
Age: 1
Gender: Female
Breed: Golden Retriever




Name: Harvey
Age: 1
Gender: Male
Breed: Border Collie




Name: Duke
Age: 6
Gender: Female
Breed: Labrador Retriever



Name: Tuffy
Age: 4
Gender: Male
Breed: Labrador




Name: Oliver
Age: 3
Gender: Male
Breed: Cocker Spaniel



Name: Bob
Age: 2
Gender: Male
Breed: Boxer

Add animal

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ADOPTION FORM:



Adoption form

Fullname

Email (Optional)

you@example.com

Address

1234 Main St

Address 2 (Optional)

Apartment or suite

State

State

Zip

Name of the animal you are adopting:

Name

Submit

Cancel

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SIGNUP/LOGIN:

Sign in

Username

Password

Sign in

Sign-up

CONTACT US:

[About](#) [Contact Us](#)

Contact Us Form

Name

Email

Phone number

Your Query

[Send](#)[Cancel](#)

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[Privacy](#) [Terms](#) [Support](#)

DATABASE:

localhost:27017

My Queries

Databases

Search

CatadogsDB

adoptions

animals

cats

contacts

users

admin

blogsDB

config

fruitsDB

local

personDB

shopDB

Collections

Create collection

View

Sort by Collection Name

adoptions

Storage size: 8.19 kB

Documents: 0

Avg. document size: 0 B

Indexes: 1

Total index size: 24.58 kB

animals

Storage size: 20.48 kB

Documents: 8

Avg. document size: 131.00 B

Indexes: 1

Total index size: 36.86 kB

cats

Storage size: 20.48 kB

Documents: 4

Avg. document size: 126.00 B

Indexes: 1

Total index size: 36.86 kB

contacts

Storage size: 8.19 kB

Documents: 0

Avg. document size: 0 B

Indexes: 1

Total index size: 24.58 kB

users

Storage size: 20.48 kB

Documents: 1

Avg. document size: 282.00 B

Indexes: 3

Total index size: 110.59 kB

MongoDB Compass - localhost:27017/CatadogsDB.users

localhost:27017 Documents CatadogsDB.users

My Queries Databases Search

CatadogsDB

- adoptions
- animals
- cats
- contacts
- users**
- admin
- blogsDB
- config
- fruitsDB
- local
- personDB
- shopDB

CatadogsDB.users

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION

1 - 3 of 3

```
{
  "_id": ObjectId("639cb72cb40a26791ef11893"),
  "name": "Elton Arthur",
  "username": "elton01",
  "password": "52a5105b3yoKa3Qug4tfn6BACQZevElyLHraEZSI/r2NPE93IU9LoLiD0fi",
  "email": "elton@gmail.com",
  "address": "abcd",
  "address2": "efgh",
  "state": "Karnataka",
  "zip": 575015,
  "role": Object,
  "__v": 0
}
```

MongoDB Compass - localhost:27017/CatadogsDB.cats

localhost:27017 Documents CatadogsDB.cats

My Queries Databases Search

CatadogsDB

- adoptions
- animals
- cats**
- contacts
- users
- admin
- blogsDB
- config
- fruitsDB
- local
- personDB
- shopDB

CatadogsDB.cats

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION

1 - 4 of 4

```
{
  "_id": ObjectId("639b4976e6d127e95632e087"),
  "name": "Bella",
  "age": 2,
  "gender": "Female",
  "breed": "Ragdoll",
  "img": "1640807499132bella.jpeg",
  "__v": 0
}
```

```
{
  "_id": ObjectId("639b4a37780f12ba7ce24d27"),
  "name": "Bailey",
  "age": 1,
  "gender": "Female",
  "breed": "Birman",
  "img": "1640806549159bunny.jpeg",
  "__v": 0
}
```

MongoDB Compass - localhost:27017/CatadogsDB.animals

localhost:27017 Documents CatadogsDB.animals

My Queries Databases Search

CatadogsDB

- adoptions**
- animals
- cats
- contacts
- users
- admin
- blogsDB
- config
- fruitsDB
- local
- personDB
- shopDB

CatadogsDB.animals

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION

1 - 8 of 8

```
{
  "_id": ObjectId("639b453579dd091a088c353a"),
  "name": "Duke",
  "age": 4,
  "gender": "Male",
  "breed": "German Shephard",
  "img": "1640800574062duke.jpeg",
  "__v": 0
}
```

```
{
  "_id": ObjectId("639b4583b8d2b22f4d59f9a9"),
  "name": "Tuffy",
  "age": 3,
  "gender": "Female",
  "breed": "Golden Retriever",
  "img": "1640844600175tuffy.jpeg",
  "__v": 0
}
```

MongoDB Compass - localhost:27017/CatadogsDB.adoptions

Connect View Collection Help

localhost:27017 Documents CatadogsDB.ado...

My Queries Databases

Search

CatadogsDB

- adoptions
- animals
- cats
- contacts
- users
- admin
- blogsDB
- config
- fruitsDB
- local
- personDB
- shopDB

CatadogsDB.adoptions

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION

1 of 1

```

{
  "_id": ObjectId("639cb851b40a26791ef11898"),
  "name": "Elton Arthur",
  "email": "elton@gmail.com",
  "address": "abcd",
  "address2": "efgh",
  "state": "Karnataka",
  "zip": 575015,
  "animalname": "Cooper",
  "id": "639b473026b262879221ba99",
  "__v": 0
}

```

MongoDB Compass - localhost:27017/CatadogsDB.contacts

Connect View Collection Help

localhost:27017 Documents CatadogsDB.con...

My Queries Databases

Search

CatadogsDB

- adoptions
- animals
- cats
- contacts
- users
- admin
- blogsDB
- config
- fruitsDB
- local
- personDB
- shopDB

CatadogsDB.contacts

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

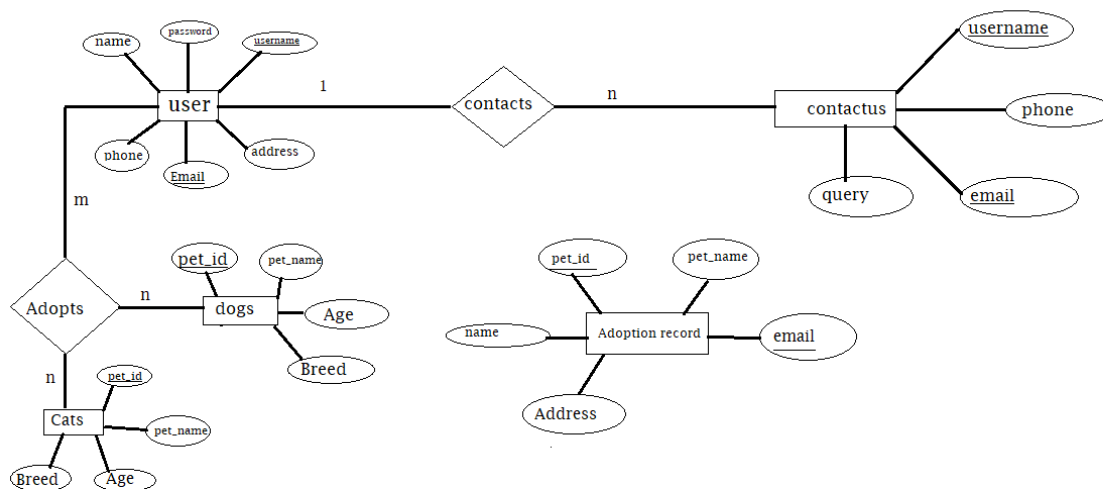
ADD DATA EXPORT COLLECTION

1 of 1

```

{
  "_id": ObjectId("639cb88bb40a26791ef1189c"),
  "name": "Harshith Rao",
  "phone": "06362264951",
  "email": "harshithrao316@gmail.com",
  "query": "abcdef",
  "__v": 0
}

```



CONCLUSION AND FUTURE SCOPE

Catadogs will be helping the innocent animals find a safe home for themselves.

What needs to be improved?

- We can also add a table which will store the information about interested volunteers.
- We can also include a table for if anyone wishes to donate items or money and make payment online.

REFERENCES

HTML: <https://www.w3schools.com/html/>

CSS: <https://youtu.be/6mbwJ2xhgzM>

BOOTSTRAP: <https://getbootstrap.com/>

NODEJS & MONGODB: <https://www.udemy.com/course/the-complete-web-development-bootcamp/>