

ACKNOWLEDGEMENT

This project indeed proves to be a learning experience for us students. Not only we nurtured the quality of working in a team but also developed immense respect for individualism and looking at things from a different perspective.

We would like to thank our internal guide Dr. Dhara Bhatt for guiding us throughout this project with her immense knowledge. We would like to thank every other faculty who motivated us when needed.

Our sincerest thanks to Dr. (Fr.) Johnson Mundupuzhakal, Vice Principal (SF Courses), Department of Computer Sciences, St. Xavier's College (Autonomous), for providing us this wonderful opportunity of developing the project.

We would also like to thank our external guide Mr. Abhishek Pankajbhai Panchal for giving us this opportunity to develop a project in their company and for guiding us as well when needed.

We, Mr. Vivek Doshi, Mr. Hariom Sharma and Mr. Vruttant Mankad, are developing this website keeping in mind the needs of a shelter and the company, "Right InfoService" which has shown trust in our idea and is providing us with necessary guidance and help.

INDEX

<u>SR. NO</u>	<u>TOPIC</u>	<u>PAGE NO</u>
1.	SCREEN LAYOUTS	
	1.1 Guest User Screen Layouts	1
	1.2 Normal User Screen Layouts	6
	1.3 Admin Screen Layouts	19
	1.4 Vet-Attendant Screen Layouts	29
2.	REPORT LAYOUTS	31
3.	SAMPLE CODING	39
4.	FUTURE ENHANCEMENTS	43
5.	CONCLUSION	44
6.	BIBLIOGRAPHY	45

SCREEN LAYOUTS

Guest User Screen Layouts

Website home page (Common for all users)

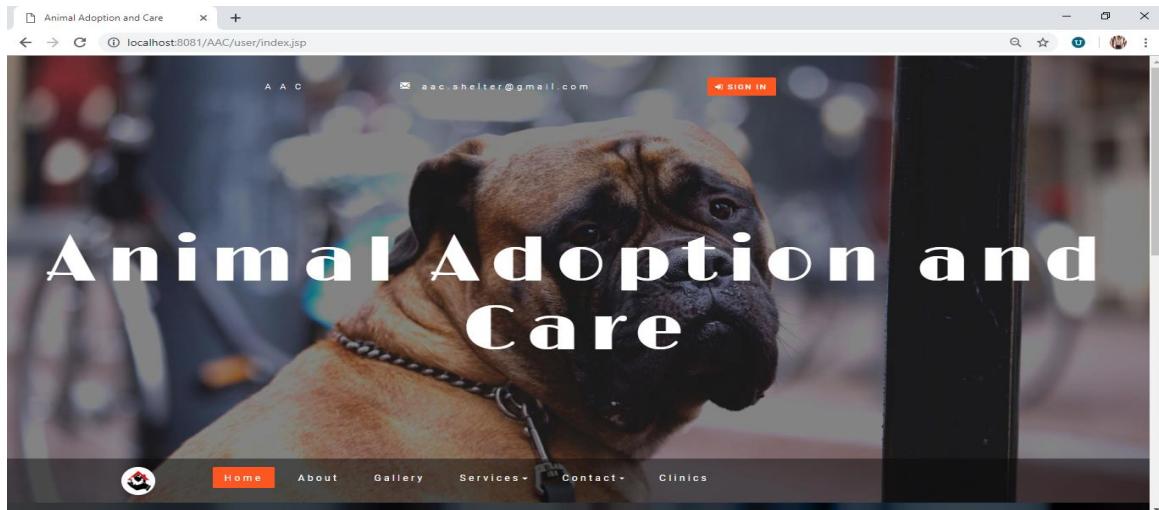


Figure 1.1.1- Home page

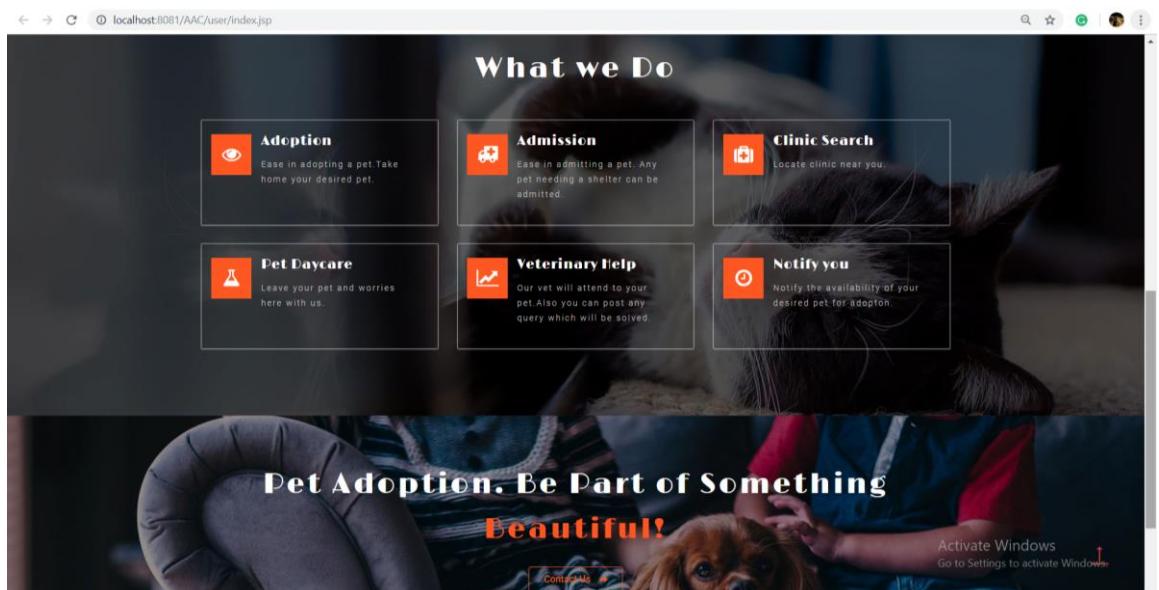


Figure 1.1.2- Home page (scrolled down)

About Us Page (Common for all users)

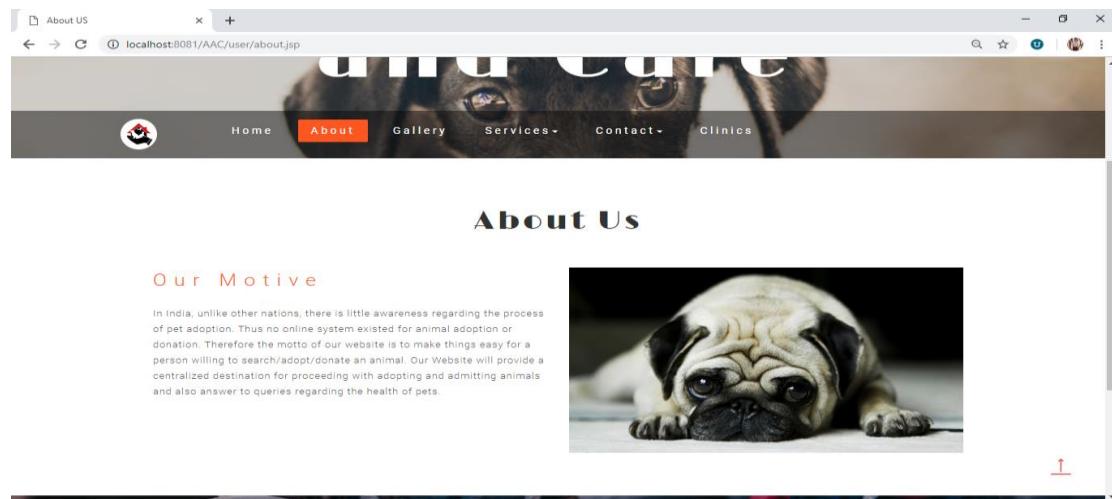


Figure 1.1.3- About us page

Gallery Page (Common for all users)

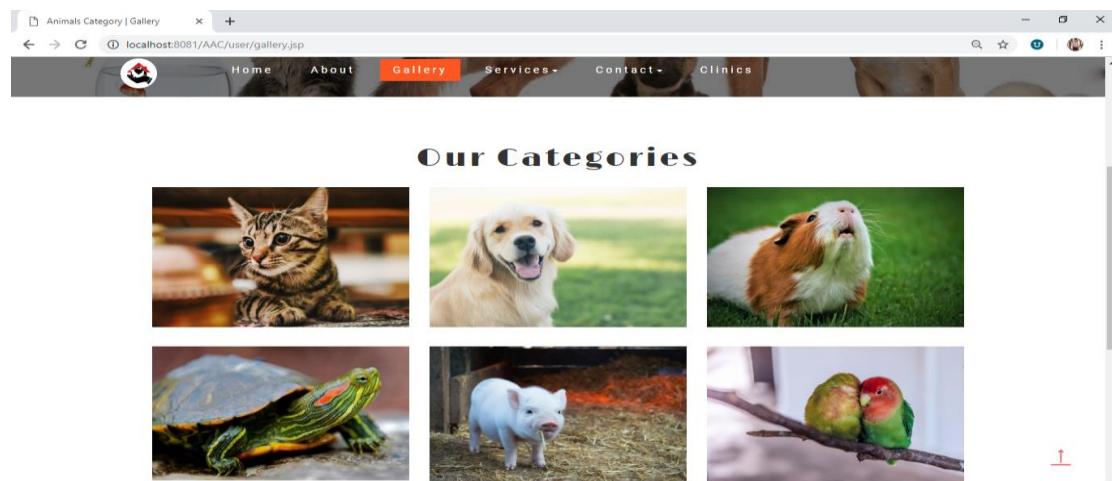


Figure 1.1.4- Gallery page

Sign-Up Form (With client-side validations)

The screenshot shows a web browser window titled "Animal Adoption and Care" with the URL "localhost:8081/AAC/user/index.jsp". The main content is a "Sign Up" form. The fields and their validation messages are:

- fname: Enter first name
- lname: Enter last name
- something: Enter valid email address
.....
Password must contain 8 character
.....
Password does not match
- 957853215
- Gender: Male Female
- 01/08/1996

A large orange "SIGN UP" button is at the bottom.

Figure 1.1.5- Sign up form with validation

Sign-Up Form (with Server side Validation)

The screenshot shows a web browser window titled "Animal Adoption and Care" with the URL "localhost:8081/AAC/user/index.jsp". The main content is a "Sign Up" form. The fields and their validation messages are:

- Viral
- Shah
- viral98@gmail.com
Email already Registered
-
-
- 957853215
- Gender: Male Female
- 01/08/1996

A large orange "SIGN UP" button is at the bottom.

Figure 1.1.6- Sign up form with email already registered validation

Registration Confirmation Email

(Email sent to user for confirming their account after registration)

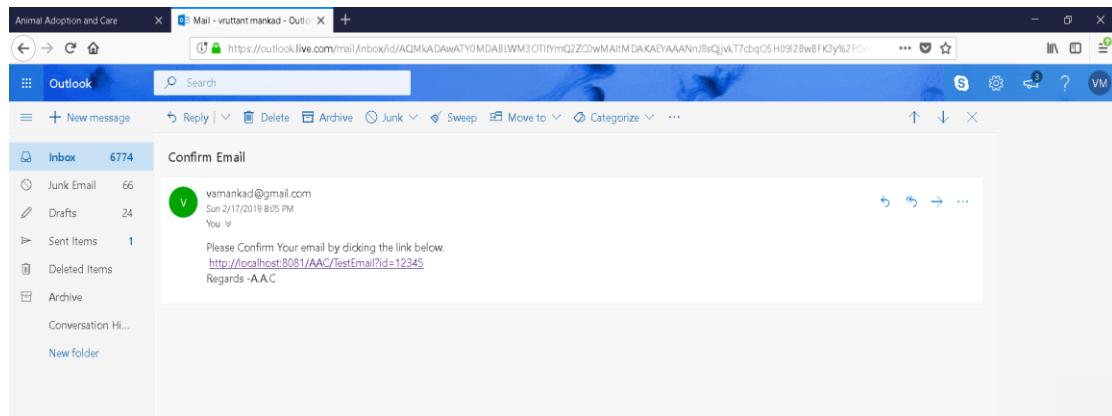


Figure 1.1.7- Registration confirmation done through email

Login Form (With Validations)

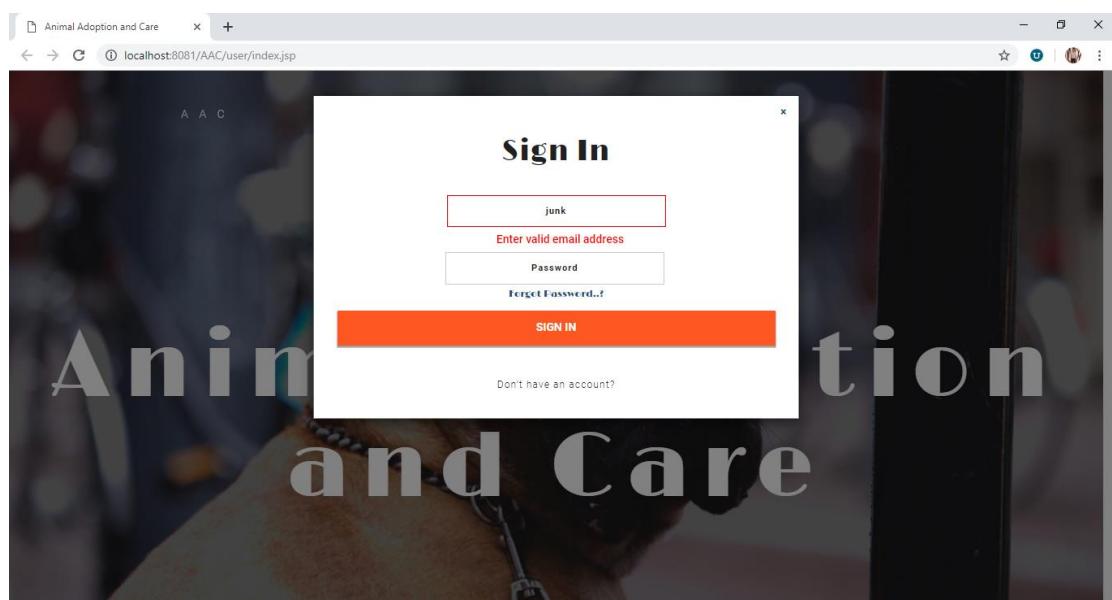


Figure 1.1.8- Sign in form with client side validation

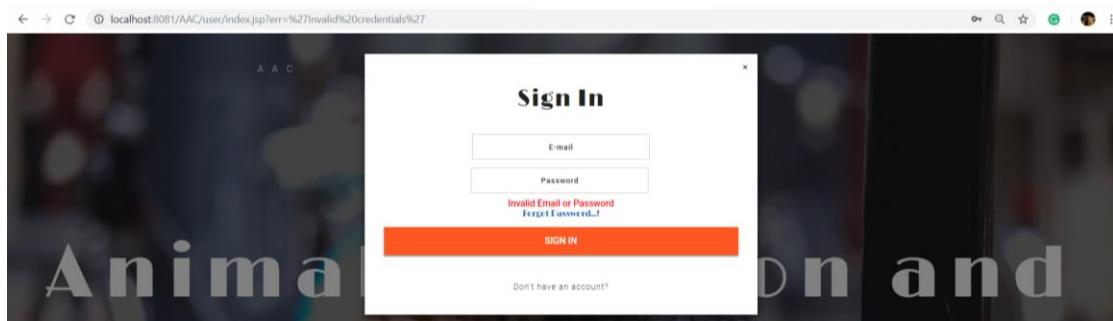


Figure 1.1.9- Sign in form with server side validation

Logout Page

(Page displayed when any type of user logs out from the website)

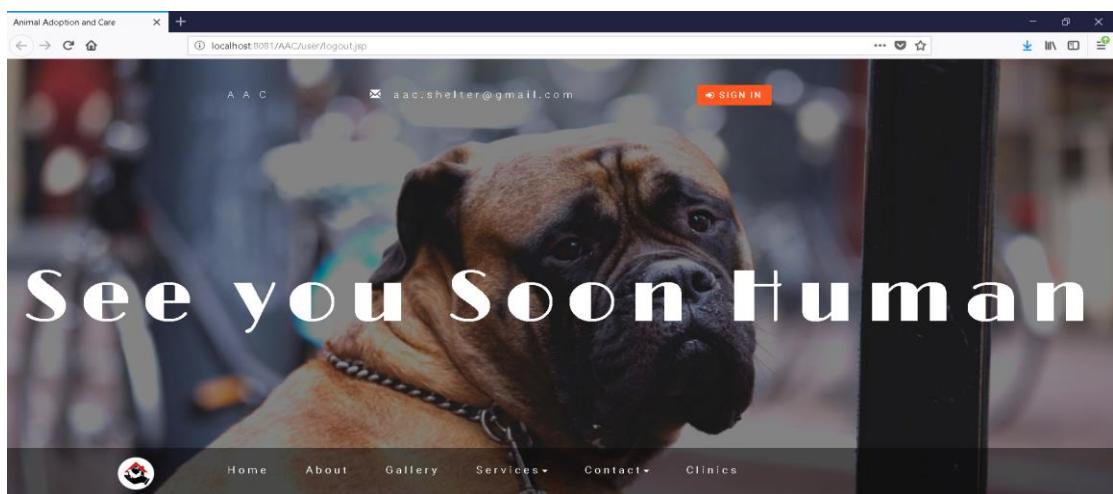


Figure 1.1.10- Logout page

User Screen Layouts

Home Page after Sign in (For normal user)

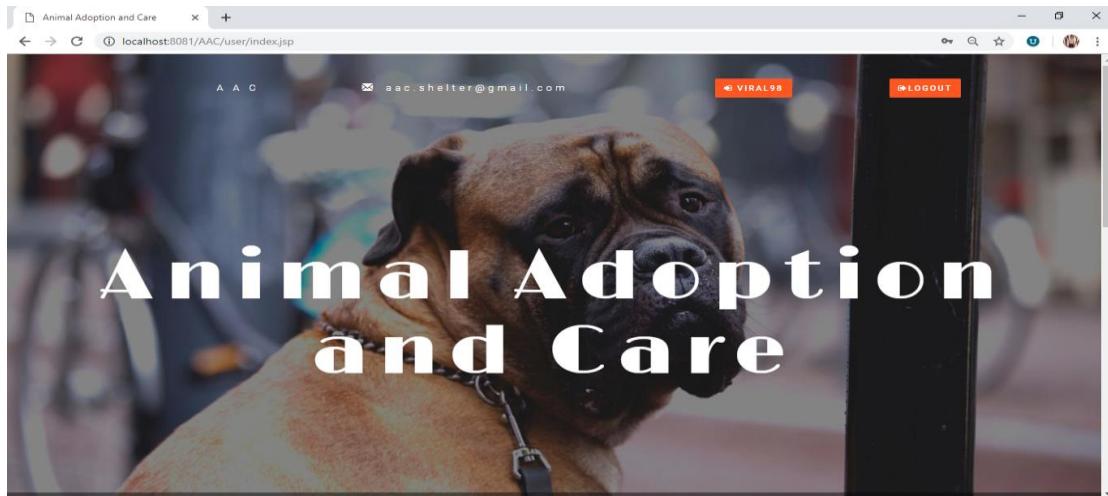


Figure 1.2.1- Home page after user logs in

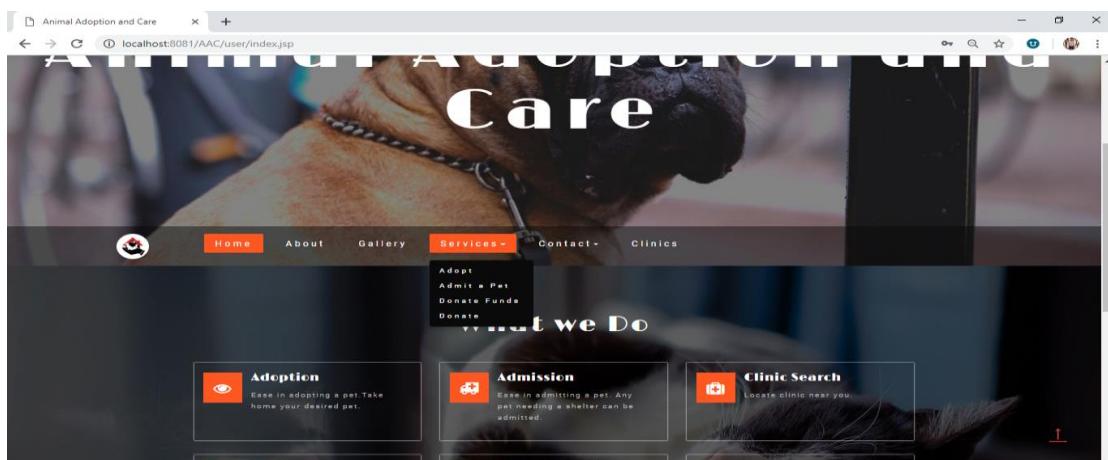


Figure 1.2.2- Services tab enabled after user logs in

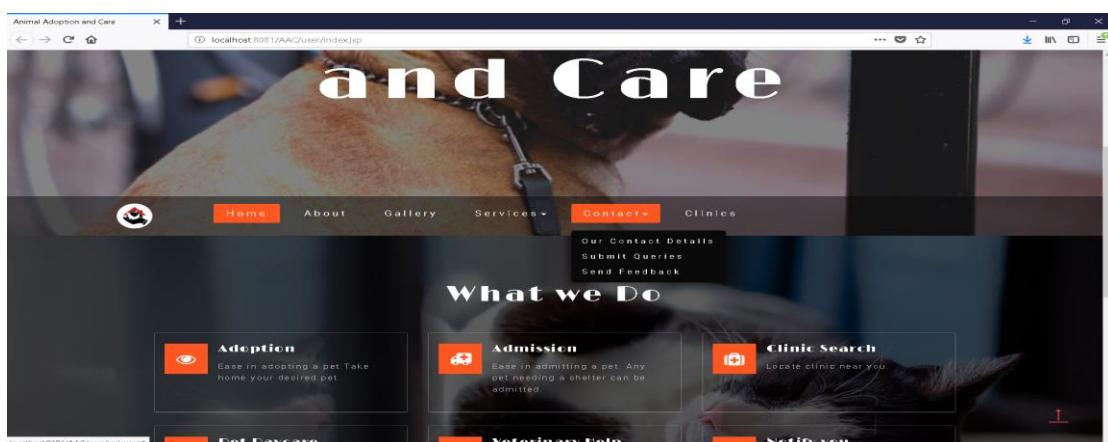


Figure 1.2.3- Contact us tab enabled after user logs in

Adopt Animal Page

(User can search and select preferred animal from the filter given)

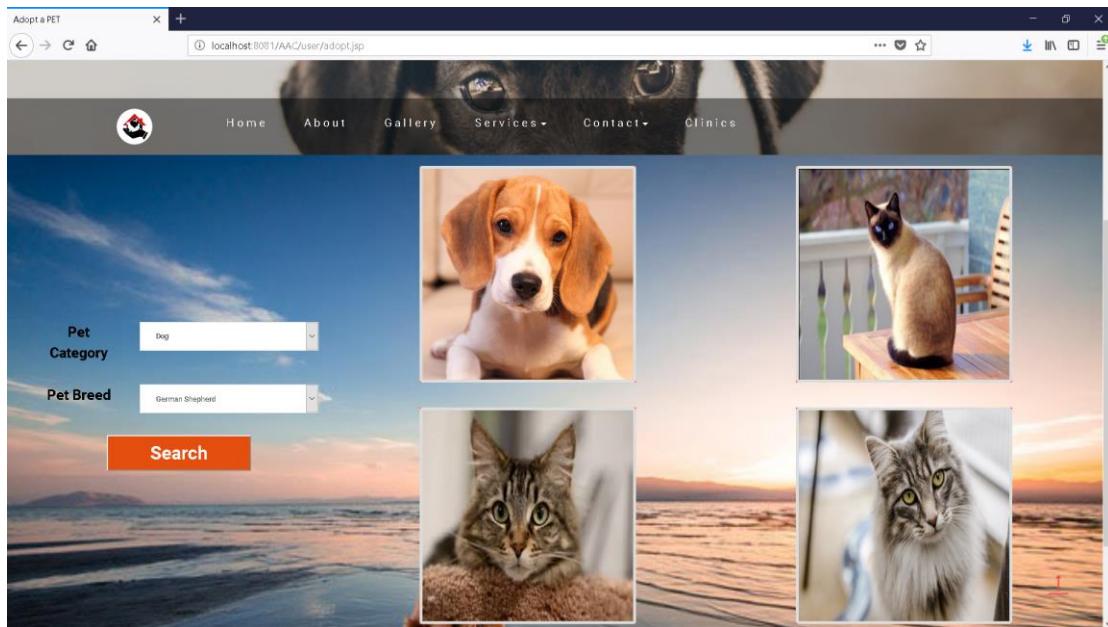


Figure 1.2.4- Adopt animal page with available animals

(After filter is applied for a specific category and breed of animal)

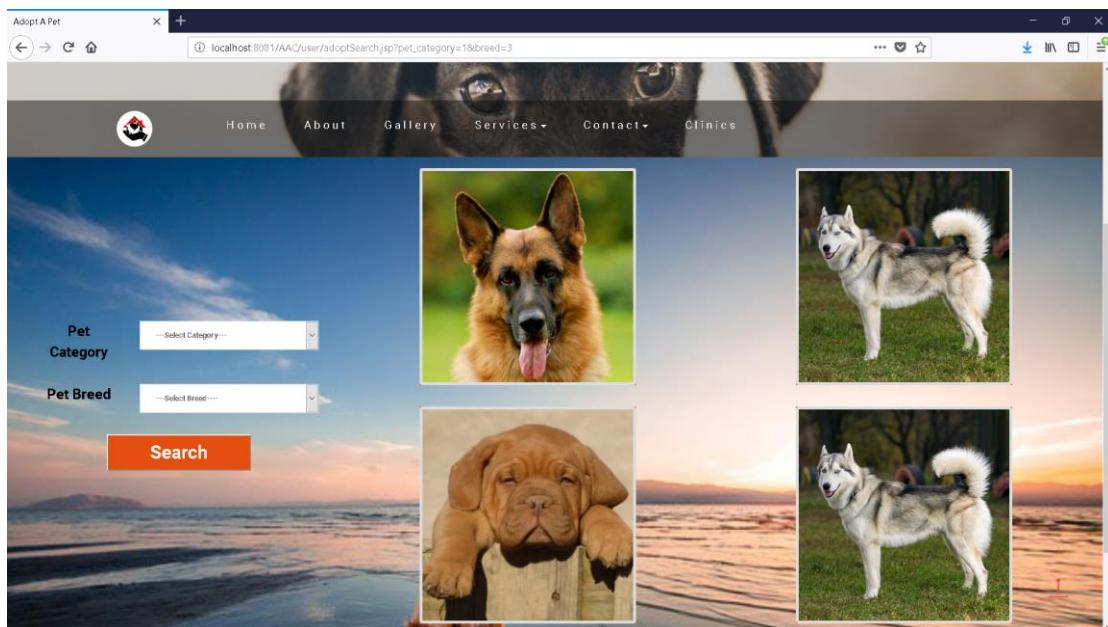


Figure 1.2.5- Animals shown as per filter applied

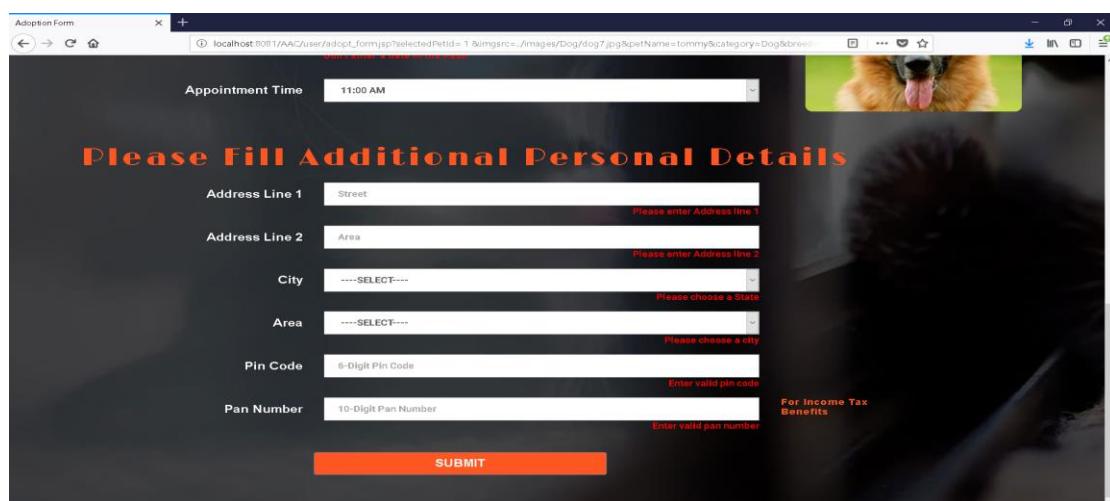
Adoption Form Page (with validations)

(User fills up personal details and selects a preferred appointment time for the adoption of selected animal)



The screenshot shows the 'Adoption Form' page. At the top, there are input fields for 'Pet' (tommy), 'Category' (Dog), 'Breed' (German Shepherd), 'Appointment Date' (04/03/2019 with a validation message 'Don't Enter a date in the Past!'), and 'Appointment Time' (11:00 AM). To the right of these fields is a large image of a German Shepherd dog. Below the form, a section titled 'Please Fill Additional Personal Details' contains fields for 'Address Line 1' (Street), 'Address Line 2' (Area), 'City' (----SELECT----), and 'Area' (----SELECT----).

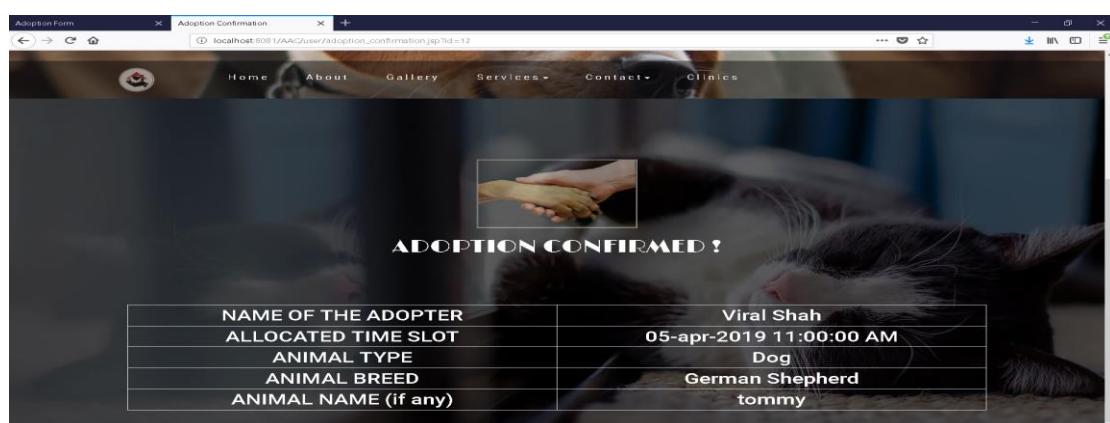
Figure 1.2.6- Adoption form after user clicks an image



This screenshot shows the same adoption form as Figure 1.2.6, but with validation errors displayed. The 'Address Line 1' field has an error message 'Please enter Address line 1'. The 'Address Line 2' field has an error message 'Please enter Address line 2'. The 'City' and 'Area' dropdowns both have error messages 'Please choose a State' and 'Please choose a city'. The 'Pin Code' field has an error message 'Enter valid pin code'. The 'Pan Number' field has an error message 'Enter valid pan number' and also includes a note 'For Income Tax Benefits'. A large orange 'SUBMIT' button is at the bottom.

Figure 1.2.7- Additional details to be filled by the user

Adoption Confirmation Page



The screenshot shows the 'Adoption Confirmation' page. It features a background image of a dog's face. In the center, there is a small image of two hands shaking and the text 'ADOPTION CONFIRMED !'. Below this, a table summarizes the adoption details:

NAME OF THE ADOPTER	Viral Shah
ALLOCATED TIME SLOT	05-apr-2019 11:00:00 AM
ANIMAL TYPE	Dog
ANIMAL BREED	German Shepherd
ANIMAL NAME (if any)	tommy

Figure 1.2.8- Confirmation page after appointment is booked

Animal Admission Form

(User fills up a form to admit an animal in the shelter)

Pet Name: Ghost

Category: Dog

Breed: Great Dane

Age: 4

Color:

Gender: Male female

Appointment Date: 04/12/2019

Upload Image: Browse... dog2.jpg

Appointment Time: 11:00 AM

SUBMIT

Figure 1.2.9- Admission form

Admission Confirmation and appointment Details

User Name	Vruttan manka
Pet Category	Dog
Pet Name (if any)	Ghost
Appointment Date	04/05/2019
Appointment Time	11:00 AM

Figure 1.2.10- Confirmation page after appointment is booked

Financial Donation Form

(Users can make monetary donations to the Shelter)

The screenshot shows a web browser window with five tabs all titled "Financial donations". The active tab displays the URL localhost:8081/AAC/User/Financial_donation.jsp. The page features a large banner with the text "Animal Adoption and Care" overlaid on a background image of a brown dog's face. Below the banner is a navigation bar with links: Home, About, Gallery, Services (highlighted in orange), Contact, and Clinics. The main content area has a red header "Financial Donation". It includes a "Payment Amount" input field with placeholder text "More the merrier", two payment method icons (VISA and MasterCard), and a "Donate Now" button.

Figure 1.2.11- Financial donation form

Razor Pay Payment Gateway

(Users can select any type of payment method like Credit/Debit card, Paytm, Net Banking, UPI)

The screenshot shows a web browser window with five tabs all titled "Financial donations". The active tab displays the URL localhost:8081/AAC/User/Financial_donation.jsp. A modal window from "Razor Pay" is open, prompting the user to "Donating to the cause" with an amount of ₹ 15,000. The modal includes fields for "Phone" (8511125354) and "Email" (vruttant@hotmail.com). Below these, a "SELECT A PAYMENT METHOD" section shows three options: "UPI - 8511125354@paytm" (selected), "UPI - vruttant@hotmail.com", and "Other Methods (Cards, Wallets, UPI etc.)". At the bottom of the modal, there is a note: "Please accept the request from Razorpay's VPA on your UPI app" with a QR code, and a "Cancel Payment" button.

Figure 1.2.12- Payment gateway after user click donate button

Financial Donation Confirmation Page

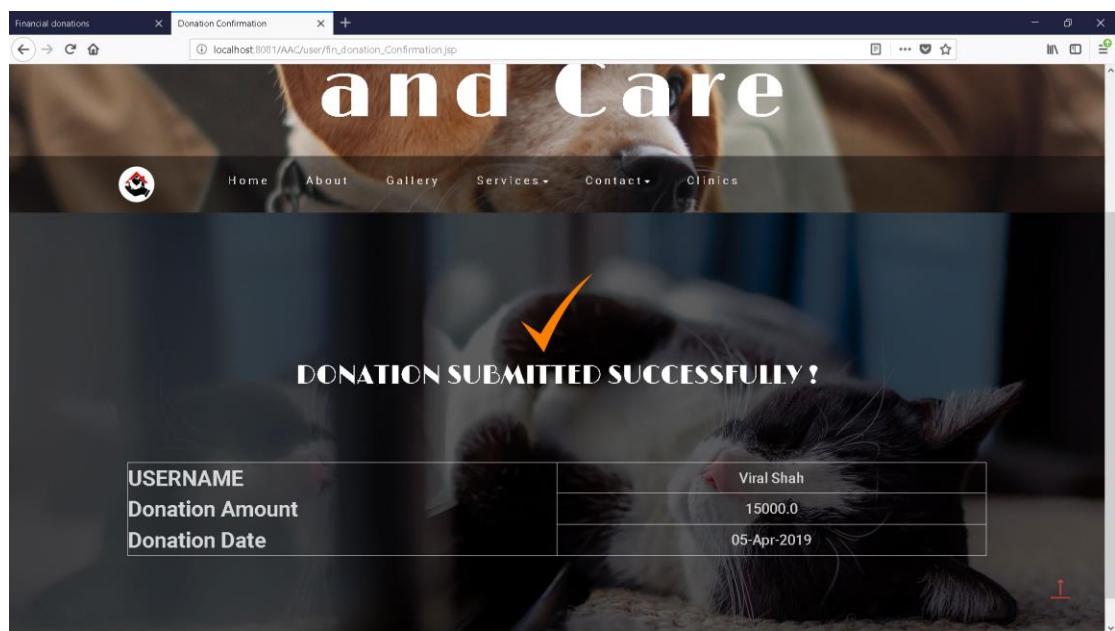


Figure 1.2.13- Confirmation page after transaction is complete

Non-Financial Donation Page (With Validations)

(Users can choose to donate any kind of useful items to the shelter)

Figure 1.2.14- Non Financial donation form

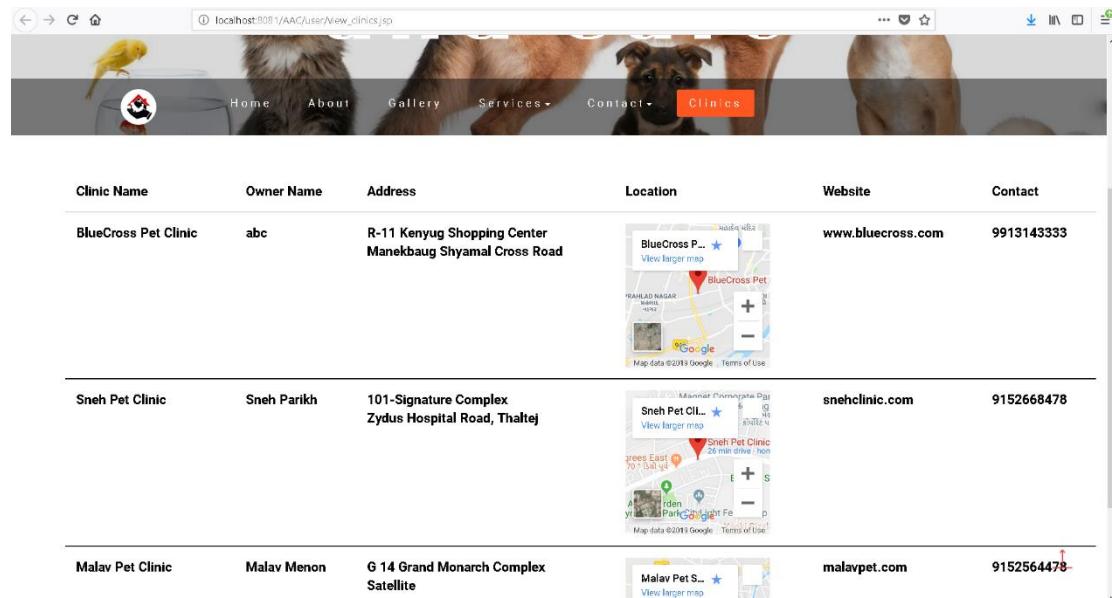
Non-Financial Donation Confirmation Page

USERNAME	Viral Shah
Donation Description	Blankets for pets
Donation Date and time	04/12/2019 12:00 PM

Figure 1.2.15- Confirmation page after appointment for non-financial donation is taken

View Clinics Page

(Users can browse and view clinics registered on our website)



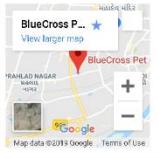
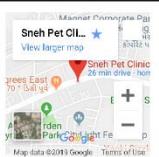
Clinic Name	Owner Name	Address	Location	Website	Contact
BlueCross Pet Clinic	abc	R-11 Kenyug Shopping Center Manekbaug Shyamal Cross Road		www.bluecross.com	9913143333
Sneh Pet Clinic	Sneh Parikh	101-Signature Complex Zydus Hospital Road, Thaltej		snehclinic.com	9152668478
Malav Pet Clinic	Malav Menon	G 14 Grand Monarch Complex Satellite		malavpet.com	9152564478

Figure 1.2.16- Clinics displayed with their details

Query Submission Form (With Validations)

(Users can submit Health or Miscellaneous queries to the vet and admin respectively)

Query

and Care

Home About Gallery Services Contact Clinics

Query

Query Type: Health Care related Query Non Health Care related Query

Query: Are you closed on public holidays?

Please write your query

SUBMIT

Figure 1.2.17- Query submission form

Query Submission Confirmation Page

Query Confirmation

QUERY SUBMITTED SUCCESSFULLY!

OUR TEAM WILL REVERT BACK TO YOUR QUERY ASAP

NOTE: HEALTH RELATED QUERIES ARE DENOTED AS 'H' AND NON-HEALTH RELATED QUERIES ARE DENOTED AS 'N'

USERNAME	Viral Shah
Query Submitted	Are you closed on public holidays?
Date of Submission	04-Apr-2019
Query Type	N

Figure 1.2.18- Confirmation page after query is submitted

Feedback Submission Page

(Users can submit their feedback about the website)

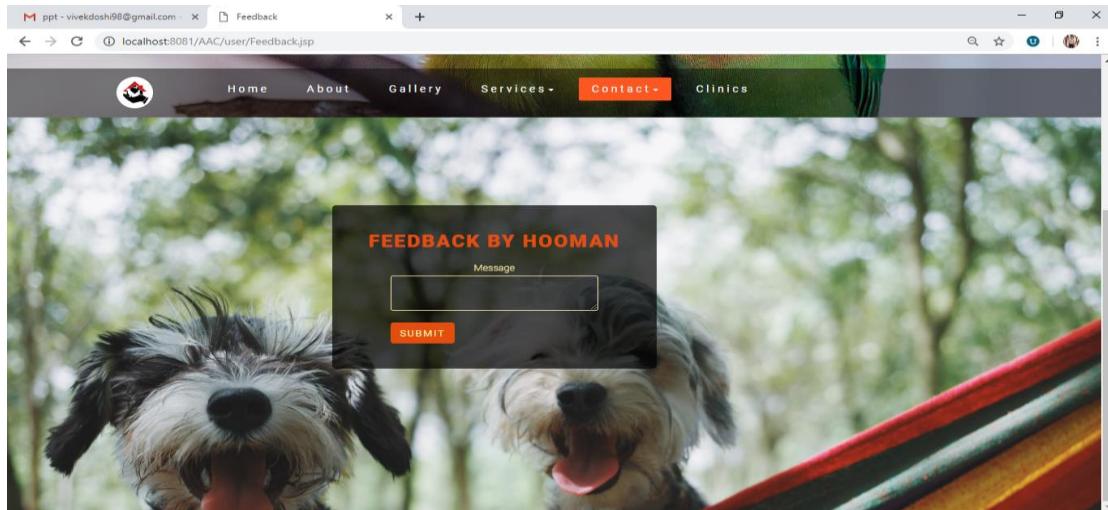


Figure 1.2.19- Feedback form

Feedback Confirmation Page

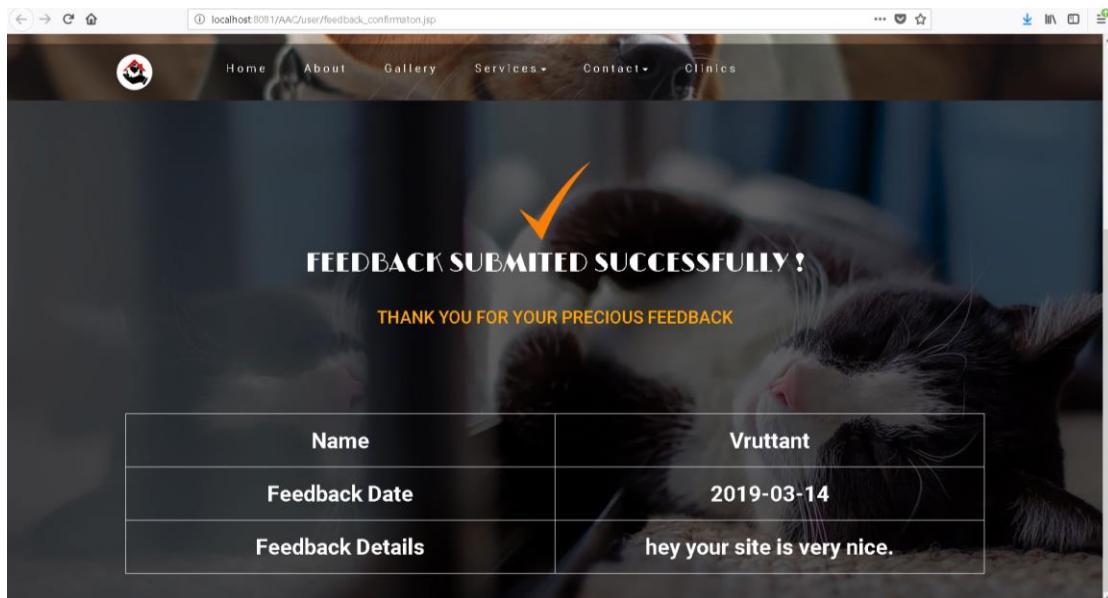


Figure 1.2.20- Confirmation after feedback is submitted

User's Profile Page

(Users can edit their profile and view their previous actions like adoptions, admissions, donations, queries, and feedbacks)

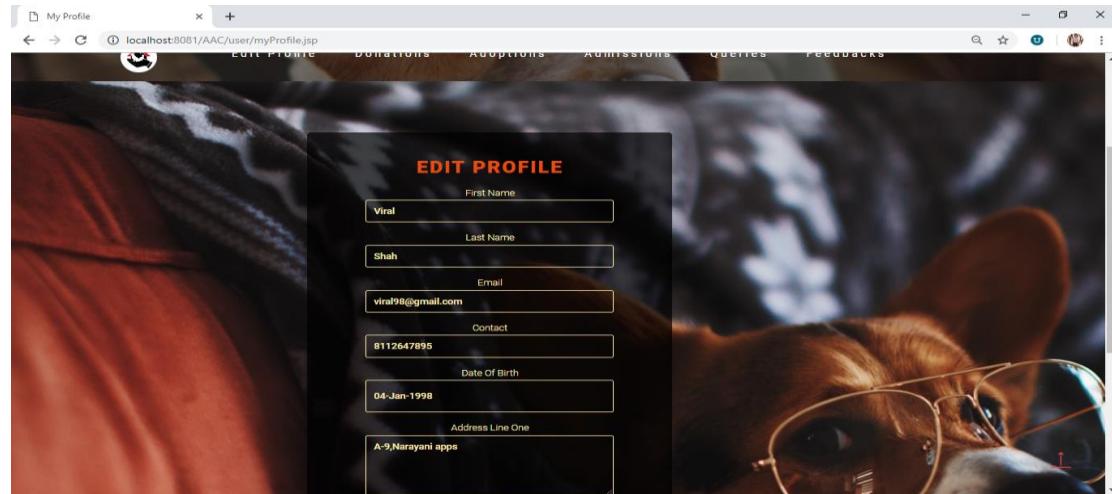


Figure 1.2.21- Edit profile page

User's Adoptions page

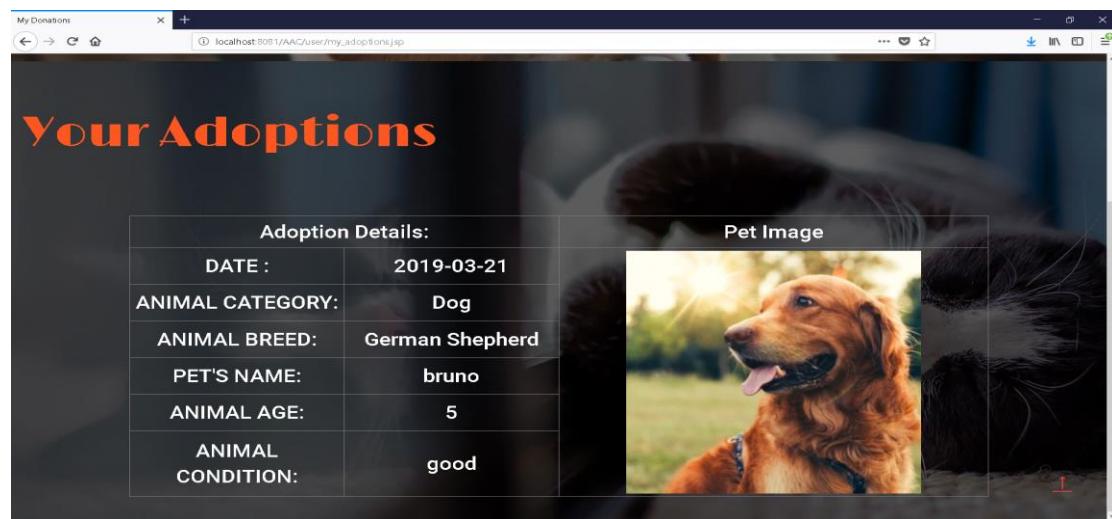


Figure 1.2.22- User's adoption history

User's Admissions Page

The screenshot shows a web browser window titled "My Donations" with the URL "localhost:8081/AAC/user/my_admissions.jsp". The page header "Your Admissions" is displayed in orange. Below the header is a table with two rows of admission details. To the right of the table are two small images labeled "Pet Image": one of a Husky dog and one of a cat.

Admission Details:		Pet Image
DATE	2019-03-26	
ANIMAL CATEGORY	Dog	
ANIMAL BREED	German Shepherd	
ANIMAL AGE	3	
ANIMAL CONDITION	Injury in back leg	
Admission Details:		Pet Image
DATE	2019-03-29	
ANIMAL CATEGORY	Cat	

Figure 1.2.23- User's admission history

User's Queries Page

The screenshot shows a web browser window titled "My Donations" with the URL "localhost:8081/AAC/user/my_queries.jsp". The page header "Your Queries" is displayed in orange. Below the header is a table with four rows of query details. The last row contains the answer to the query.

QUERY DETAILS:	
Query	What if my dog eats a specific kind of food which you may not have?
Query Type	Non-health Query
Query Submitted on	2019-03-14
Query Answer	We will try our best to find you the required item's location.

Figure 1.2.24- User's queries with their answers

User's Feedbacks Page



Figure 1.2.25- User's feedbacks

User's Donations Page

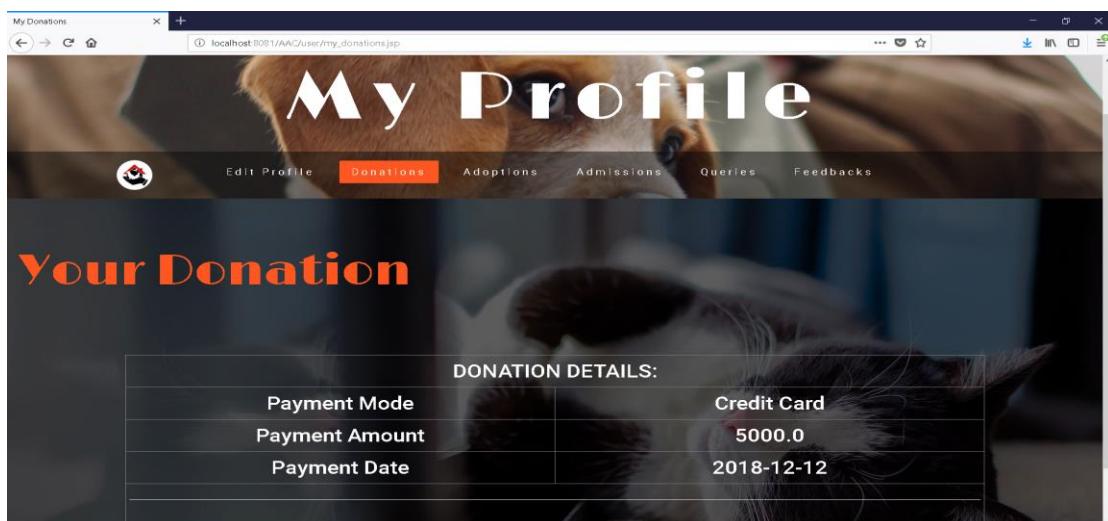


Figure 1.2.26- User's donation history

Admin Screen Layouts

Admin's Home Page

(The page that displays if the user who signed in, from the common sign-in page, is an admin)

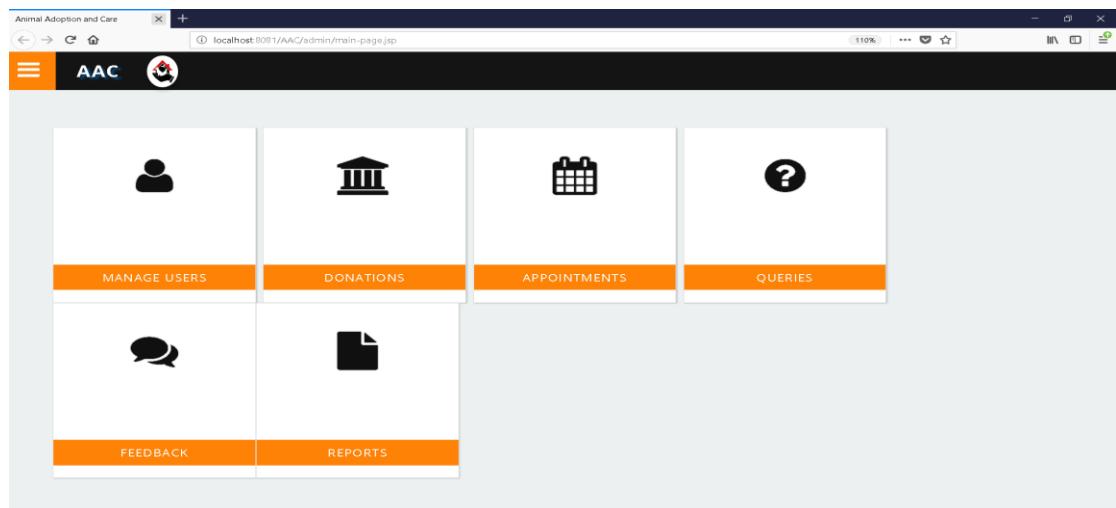


Figure 1.3.1- Admin's home page after login

Admin's Manage Details Page

(Admin can manage details of different entities)

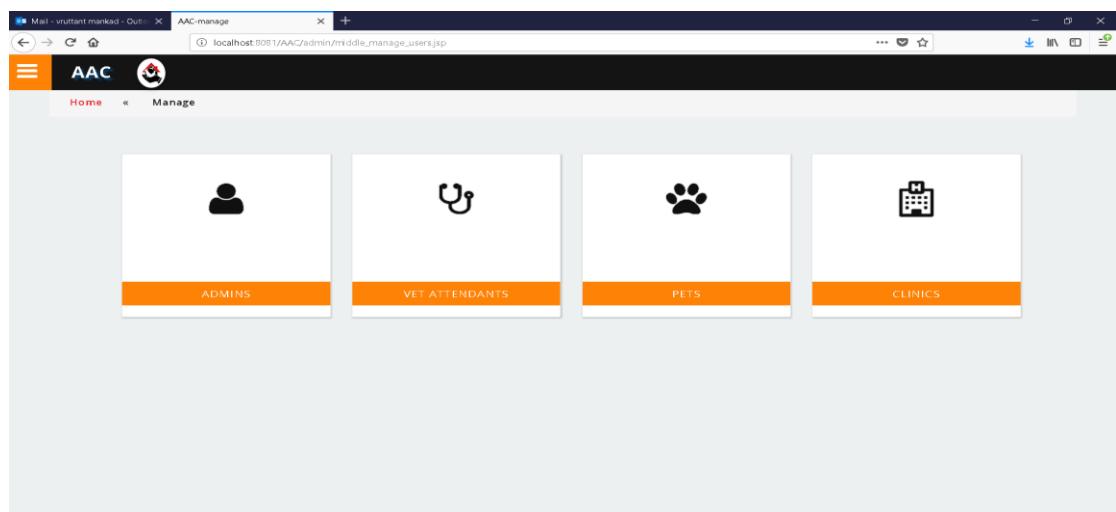


Figure 1.3.2- Manage users' page

View and Edit Pet Details Page

Pet ID	Pet Name	Pet Category	Pet Breed	Age	Health	Vet Attended	Image	Edit
1	tommy	Dog	German Shepherd	2	perfect	1		Click to edit
2	bruno	Dog	German Shepherd	5	good	1		Click to edit

Figure 1.3.3- Manage pet details page

Edit Pet Details Form

PET DETAILS

Pet Name:	tommy
Pet Category:	Dog
Pet Breed:	
Age:	2
Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female
Color:	black
Status:	Available
Upload Image:	<input type="button" value="Browse..."/> No file selected.
Vet Attendant:	admin
Health Details:	
SUBMIT	

Figure 1.3.4- Edit pet details form

View and Edit Admin Details Page

User ID	First Name	Last Name	Email	DOB	Address	Contact
1	admin	admin	admin@admin.com	1995-12-12	G-1002,Suvidhi Tower Jivrajpark	9999999999
3	Abhishek	Chauhan	abhi_acc@gmail.com	1992-02-19	C-103,Sidhhi towers Shyamal Road	9857425647
4	Raj	Kapoor	rajk@gmail.com	1995-01-22	A9,Arakshan society CG Road	9458731589

Figure 1.3.5- Manage admin details

Registering another Admin or Vet

Figure 1.3.6- Add another admin or vet form with validations

Admin/Vet Registration Confirmation Page

Figure 1.3.7- Confirmation page after admin/vet registration

View and Edit Clinic Details

The screenshot shows a web-based administration interface titled 'Clinic Details'. At the top, there's a header bar with the AAC logo and navigation icons. Below the header is a section titled 'CLINIC DETAILS' with an 'ADD CLINIC' button. A search bar and a table are present. The table lists two clinics:

Clinic ID	Clinic Name	Owner Name	Address	Location	Website	Contact	Edit	Delete
1	BlueCross Pet Clinic	abc	R-11 Kemyug Shopping Center Manekbaug Shyamal Cross Road		www.bluecross.com	9913143333	Click to edit	Delete
2	Sneh Pet Clinic	Sneh Parikh	101-Signature Complex Zydus Hospital Road, Thaltej		snehclinic.com	9152668478	Click to edit	Delete

Figure 1.3.8- Manage clinic details

Insert / Edit Clinic Details Form (With Validations)

The screenshot shows a web-based form titled 'Add Clinic' under 'CLINIC REGISTRATION'. The form includes the following fields with validation messages:

- Clinic Name: Please enter Clinic's name
- Clinic Owner: Please enter Clinic's owner
- Address Line 1: Please enter Addressline 1
- Address Line 2: Please enter Addressline 2
- Pincode: Please enter Pincode
- Area: Please enter Area
- Contact Number: Please enter Contact Number
- Map Location: Please enter Map Location
- Website: Please enter Website

Figure 1.3.9- Insert or edit clinic form

Appointments Middle Page

(Admin can select and view Adoption, Admission, or Donation Appointments)

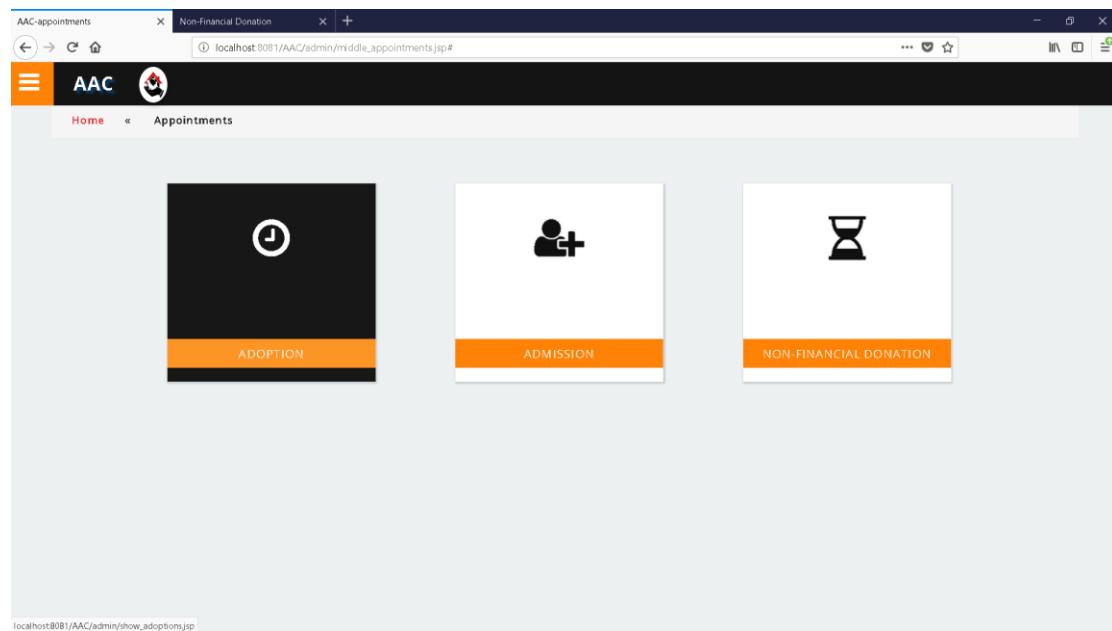


Figure 1.3.10- Manage appointments page

View Animal Adoption Details and appointments

The screenshot shows a web browser window titled "Adoptions" with a tab for "Non-Financial Donation". The URL is "localhost:8081/AAC/admin/show_adoptions.jsp". The page has a header with the AAC logo and navigation links for Home, Appointments, and Show Adoptions. Below the header is a section titled "ADOPTIONS" containing a table of adoption details:

Adopted By	Pet's Name	Appointment	Adoption Date
Neha	tommy	2019-02-01 12:00	2019-02-01
Viral	Alpha	2019-02-19 00:00	2019-02-19
Vnultant	bruno	2019-03-21 12:00	2019-03-21

Showing 1 to 3 of 3 entries

Figure 1.3.11- Adoption appointments details page

View Animal Admission Details and appointments

The screenshot shows a web browser window titled 'Admission' with the URL 'localhost:8081/AAC/admin/show_admissions.jsp'. The page has a header 'AAC' with a logo. Below the header, the navigation path is 'Home < Appointments < Show Admissions'. The main content area is titled 'ADMISSIONS' and contains a table with the following data:

Admitted By	Pet's Name	Appointment	Adoption Date
Manak	bruno	2019-03-27 11:00	2019-03-27
Nikhil	tommy	2018-12-12 00:00	2018-12-12
Vruttant	Phill	2019-03-26 11:00	2019-03-26
Vruttant	Wiskers	2019-03-28 12:00	2019-03-29
Vruttant	Casie	2018-06-12 00:00	2019-06-12

Below the table, it says 'Showing 1 to 5 of 5 entries'. At the bottom right, there are links for 'Previous' and 'Next'.

Figure 1.3.12- Admission appointments details page

View Donations Page

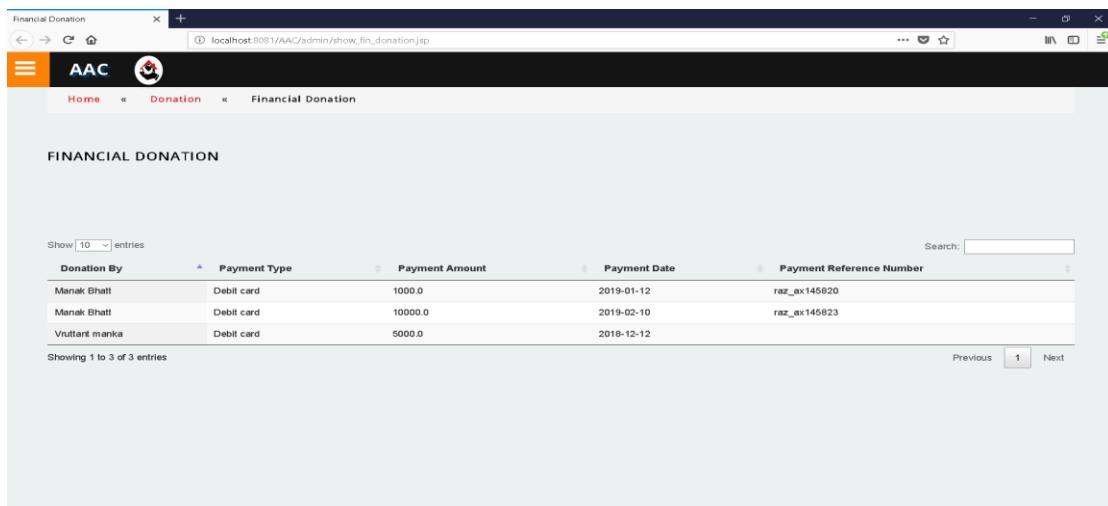
The screenshot shows a web browser window titled 'AAC-donations' with the URL 'localhost:8081/AAC/admin/middle_donation.jsp'. The page has a header 'AAC' with a logo. Below the header, the navigation path is 'Home < Donations'. The main content area contains two large buttons:

- A black button on the left with a white dollar sign icon and the text 'FINANCIAL DONATIONS' below it.
- A white button on the right with a black hand icon and the text 'NON-FINANCIAL DONATION' below it.

At the bottom left of the page, it says 'localhost:8081/AAC/admin/show_fin_donation.jsp'.

Figure 1.3.13- Manage donations page

View Financial Donation Details



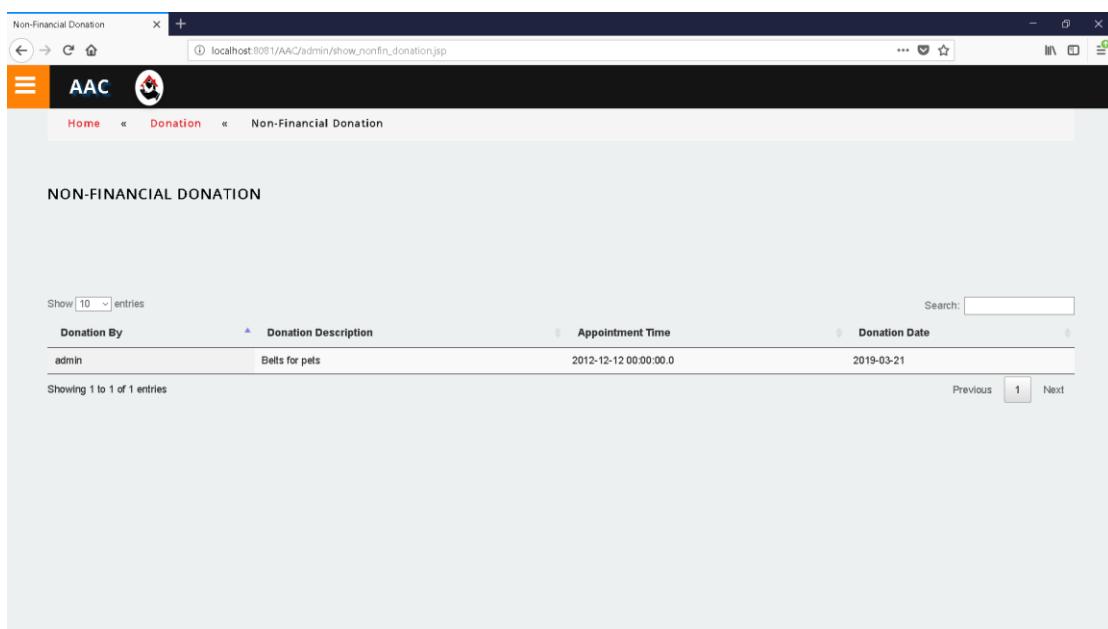
The screenshot shows a web browser window titled "Financial Donation" with the URL "localhost:8081/AAC/admin/show_fin_donation.jsp". The page has a header with the AAC logo and navigation links for Home, Donation, and Financial Donation. Below the header is a section titled "FINANCIAL DONATION". A table displays three entries of financial donations:

Donation By	Payment Type	Payment Amount	Payment Date	Payment Reference Number
Manak Bhatt	Debit card	1000.0	2019-01-12	raz_ax145820
Manak Bhatt	Debit card	10000.0	2019-02-10	raz_ax145823
Vruttant manka	Debit card	5000.0	2018-12-12	

Showing 1 to 3 of 3 entries

Figure 1.3.14- Financial donation details page

View Non-Financial Donation Details



The screenshot shows a web browser window titled "Non-Financial Donation" with the URL "localhost:8081/AAC/admin/show_nonfin_donation.jsp". The page has a header with the AAC logo and navigation links for Home, Donation, and Non-Financial Donation. Below the header is a section titled "NON-FINANCIAL DONATION". A table displays one entry of a non-financial donation:

Donation By	Donation Description	Appointment Time	Donation Date
admin	Belts for pets	2012-12-12 00:00:00.0	2019-03-21

Showing 1 to 1 of 1 entries

Figure 1.3.15- Non-financial donation details page

View Different Queries Page

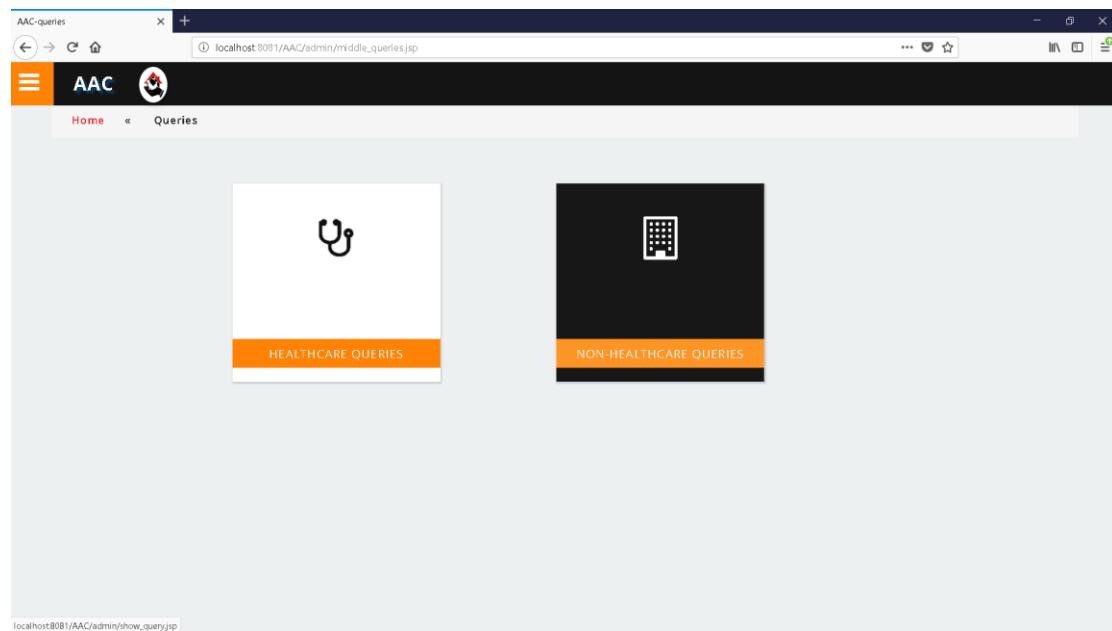


Figure 1.3.16- Manage queries page

View Healthcare Queries Page

(View Health Queries submitted by users)

HEALTHCARE RELATED QUERIES			
Show	Query	Answer	Query Submission
Query Answer Submission			
Viral	My dog sneezes a lot. what Should I do?		2019-03-22
Viral	My dog doesn't sleep well at night even though it is tired. Please Help.		2019-03-22
Viral	My dog sneezes a lot. what Should I do?		2019-03-22
Viral	how much sleep should my dog get everyday?		2019-03-04
Viral	My dog sneezes a lot. what Should I do?		2019-03-22
Vruttant	My dog gets fever a lot, what medicine should I give it?		2019-03-14
Vruttant	my dog is constipated please advise some medicine.		2019-03-14
Vruttant	My dog gets fever a lot, what medicine should I give it?		2019-03-14
Vruttant	how good are the medicines provided?		2019-03-20
Vruttant	My pet is suffering from insomnia. How do I help it?		2019-03-14

Figure 1.3.17- Healthcare queries page

View and Edit Non-Healthcare Queries

NON-HEALTHCARE RELATED QUERIES					
ANSWER QUERY					
User Id	Query Text	Query Answer	Query Submission	Query Answer Submission	Edit Responses
Nikhil Mehta	Do you accept Cash Donations?	No. Monetary Donations only accepted online,no cash.	2018-12-29	2018-12-31	Edit Query Response
Viral Shah	Do I need to visit the shelter to donate money?	No you can donate to cause through online transaction.Thank You	2018-11-30	2018-11-30	Edit Query Response
Vruttari manka	What if my dog eats a specific kind of food which you may not have?		2019-03-14		Edit Query Response
Vruttari manka	What if my dog eats a specific kind of food which you may not have?		2019-03-14		Edit Query Response
Vruttari manka	At what time does your shelter open every morning?		2019-03-14		Edit Query Response

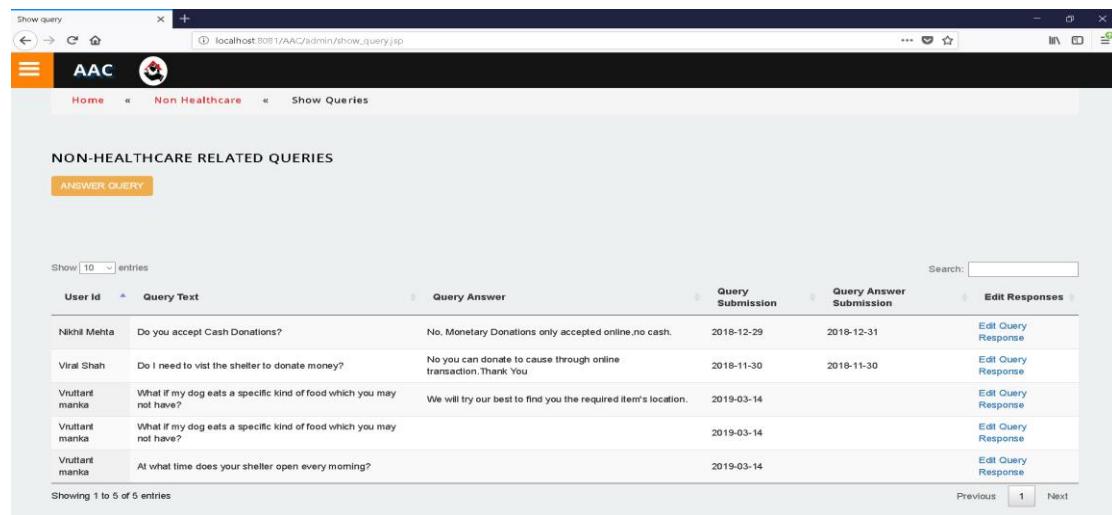
Figure 1.3.18- Non-healthcare queries with answer option

Query Answer Submission Page

(Admin can reply to non-health queries Submitted by user)

Figure 1.3.19- Non-healthcare query answer form

Query Answer Updated on view page



The screenshot shows a web browser window for the AAC Admin interface. The URL is `localhost:8081/AAC/admin/show_query.jsp`. The page title is "Show query". The main content area is titled "NON-HEALTHCARE RELATED QUERIES" and contains a table of query answers. The table has columns: User Id, Query Text, Query Answer, Query Submission, Query Answer Submission, and Edit Responses. There are 5 entries listed.

User Id	Query Text	Query Answer	Query Submission	Query Answer Submission	Edit Responses
Nikhil Mehta	Do you accept Cash Donations?	No. Monetary Donations only accepted online,no cash.	2018-12-29	2018-12-31	Edit Query Response
Viral Shah	Do I need to visit the shelter to donate money?	No you can donate to cause through online transaction.Thank You	2018-11-30	2018-11-30	Edit Query Response
Vruttanit manika	What if my dog eats a specific kind of food which you may not have?	We will try our best to find you the required item's location.	2019-03-14		Edit Query Response
Vruttanit manika	What if my dog eats a specific kind of food which you may not have?		2019-03-14		Edit Query Response
Vruttanit manika	At what time does your shelter open every morning?		2019-03-14		Edit Query Response

Showing 1 to 5 of 5 entries

Previous [1](#) Next

Figure 1.3.20- Answer updated

VET ATTENDANT SCREEN LAYOUTS

Vet Attendant's Home Page

(Page displayed when the user who logged in from the common sign in page is a vet)

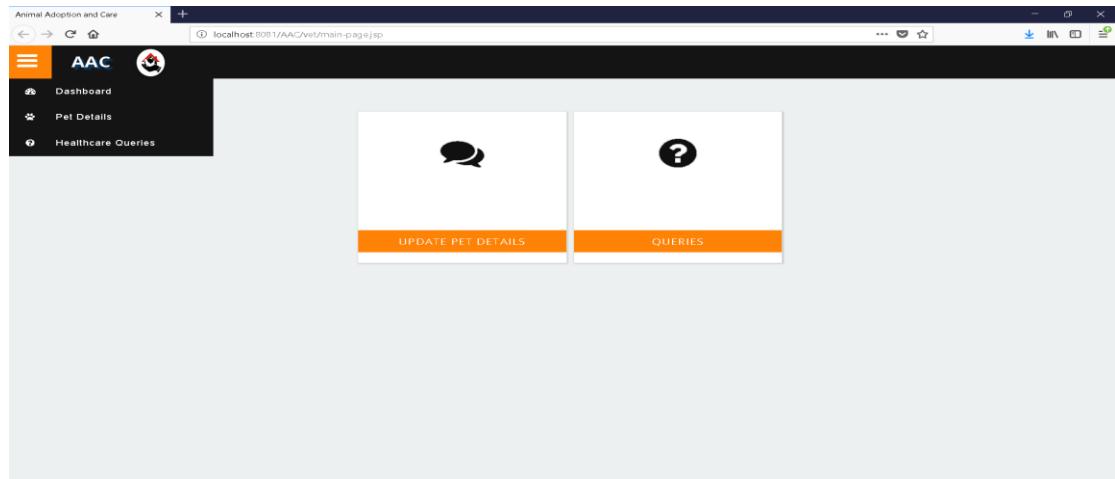


Figure 1.4.1- Vet Attendant's home page after login

View Pet Details Page

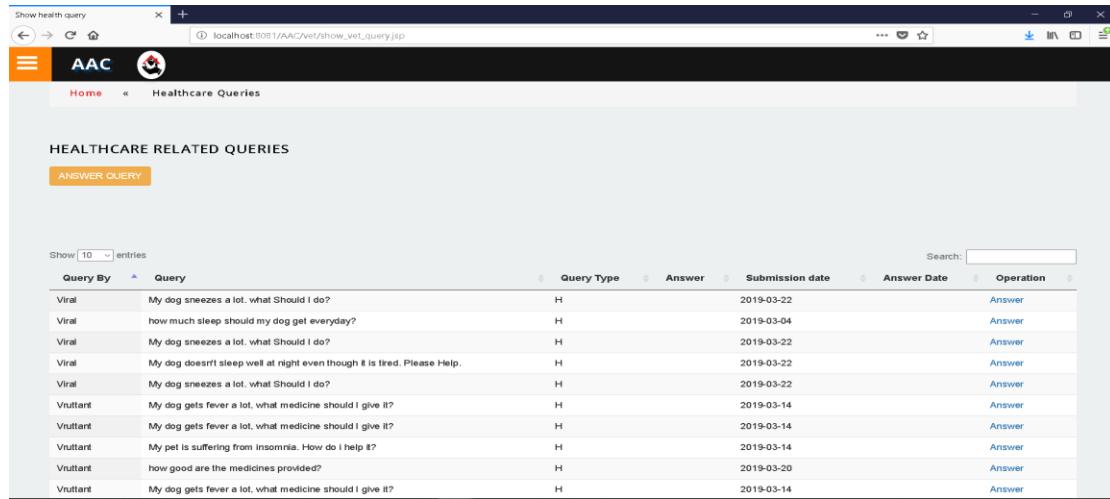
(Vet can view pet details and can edit only the healthcare details)

Show pets						
Pet Name	Pet Category	Pet Breed	Age	Health	Vet Attended	Image
Alpha	Dog	Pug	2	Healthy	Nisha	 Click to edit
bruno	Dog	German Shepherd	5	good	admin	 Click to edit
Phill	Dog	German Shepherd	3	Injury in back leg	Nisha	 Click to edit

Figure 1.4.2- Pet details page

View Health queries Page

(Vet can view and respond to health queries submitted by users)

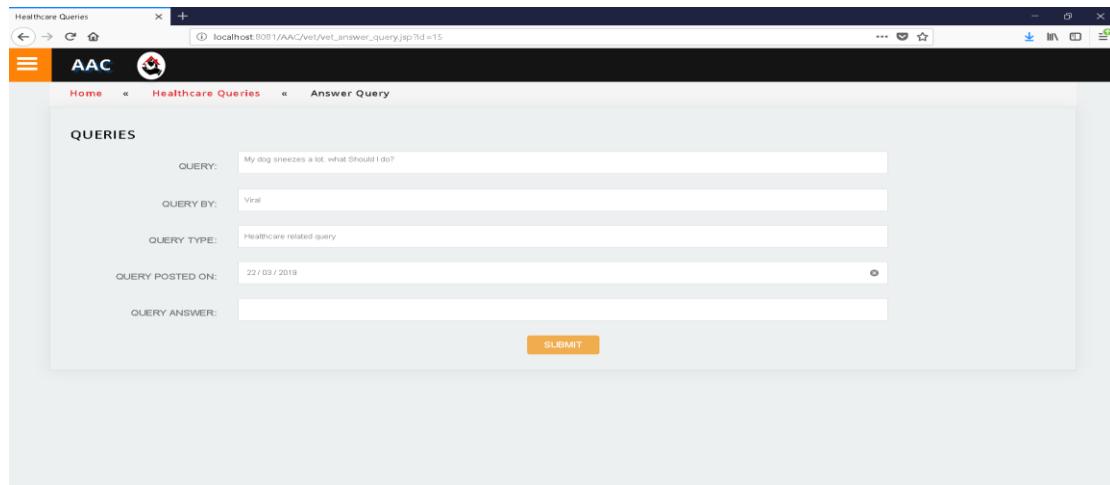


The screenshot shows a web browser window with the URL `localhost:8081/AAC/vet/show_vet_query.jsp`. The page title is "Show health query". The header includes the AAC logo and navigation links for "Home" and "Healthcare Queries". Below the header, there is a section titled "HEALTHCARE RELATED QUERIES" with a "ANSWER QUERY" button. A table lists 10 healthcare queries, each with a "Query By" column (Viral or Vrultant), a "Query" column (the user's question), a "Query Type" column (H for Healthcare related query), an "Answer" column (empty), a "Submission date" column (various dates from March 2019), an "Answer Date" column (all entries show "2019-03-14"), and an "Operation" column (all entries show "Answer").

Query By	Query	Query Type	Answer	Submission date	Answer Date	Operation
Viral	My dog sneezes a lot. what Should I do?	H		2019-03-22	2019-03-14	Answer
Viral	how much sleep should my dog get everyday?	H		2019-03-04	2019-03-14	Answer
Viral	My dog sneezes a lot. what Should I do?	H		2019-03-22	2019-03-14	Answer
Viral	My dog doesn't sleep well at night even though it is tired. Please Help.	H		2019-03-22	2019-03-14	Answer
Viral	My dog sneezes a lot. what Should I do?	H		2019-03-22	2019-03-14	Answer
Vrultant	My dog gets fever a lot. what medicine should I give it?	H		2019-03-14	2019-03-14	Answer
Vrultant	My dog gets fever a lot. what medicine should I give it?	H		2019-03-14	2019-03-14	Answer
Vrultant	My pet is suffering from insomnia. How do i help it?	H		2019-03-14	2019-03-14	Answer
Vrultant	how good are the medicines provided?	H		2019-03-20	2019-03-14	Answer
Vrultant	My dog gets fever a lot. what medicine should I give it?	H		2019-03-14	2019-03-14	Answer

Figure 1.4.3- Healthcare queries with answer option

Query Answer submission form



The screenshot shows a web browser window with the URL `localhost:8081/AAC/vet/vet_answer_query.jsp?id=15`. The page title is "Healthcare Queries". The header includes the AAC logo and navigation links for "Home" and "Healthcare Queries". Below the header, there is a section titled "QUERIES" with a "SUBMIT" button. The form fields include: "QUERY:" (My dog sneezes a lot. what Should I do?), "QUERY BY:" (Viral), "QUERY TYPE:" (Healthcare related query), "QUERY POSTED ON:" (22/03/2019), and "QUERY ANSWER:" (empty).

Figure 1.4.4- Healthcare query answer form

REPORT LAYOUTS

Admin Report Middle Page

(Admin can select different types of reports to generate)

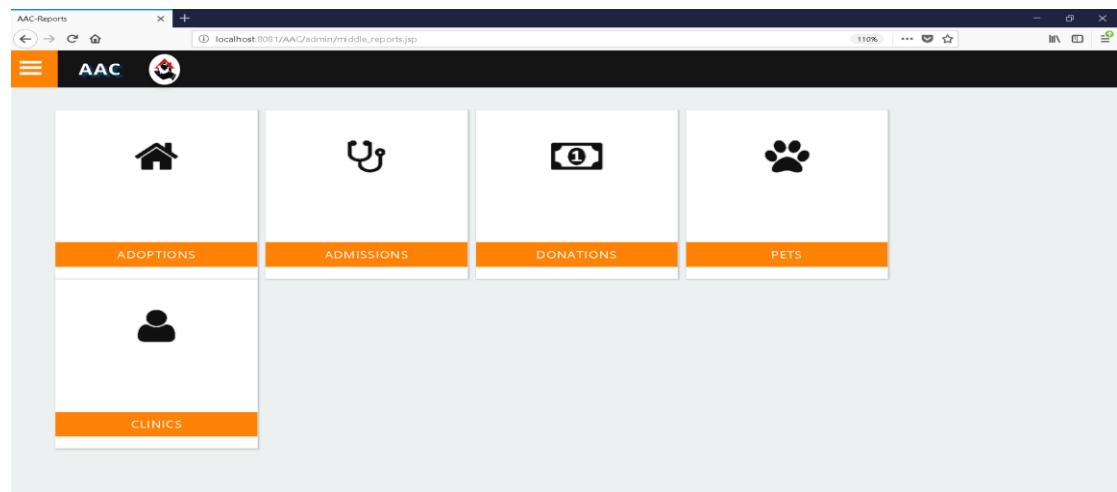


Figure 2.1- Manage report page

Side-Bar Quick Navigation to pages

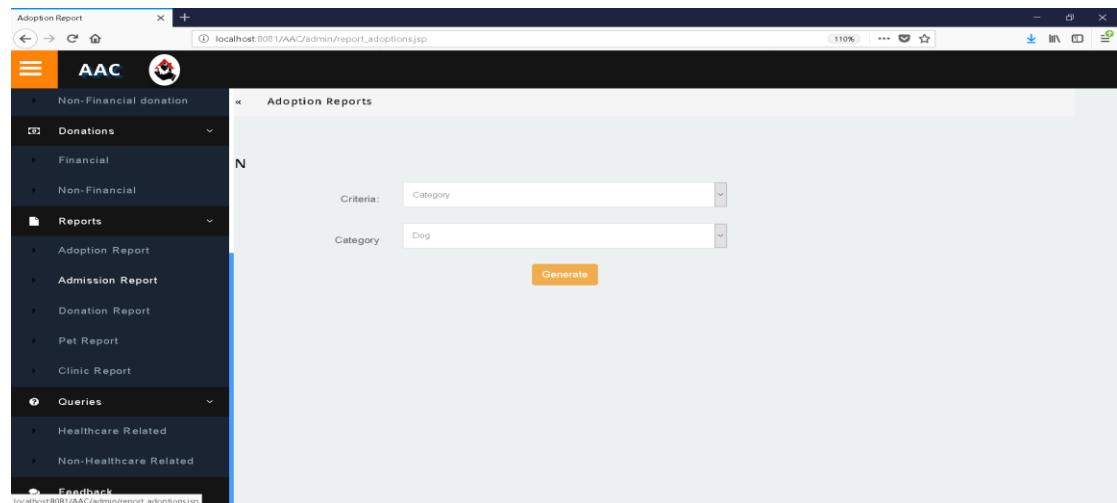


Figure 2.2- Side menu for quick navigation

Pet Reports

(Select type of report to Generate based on different criteria)

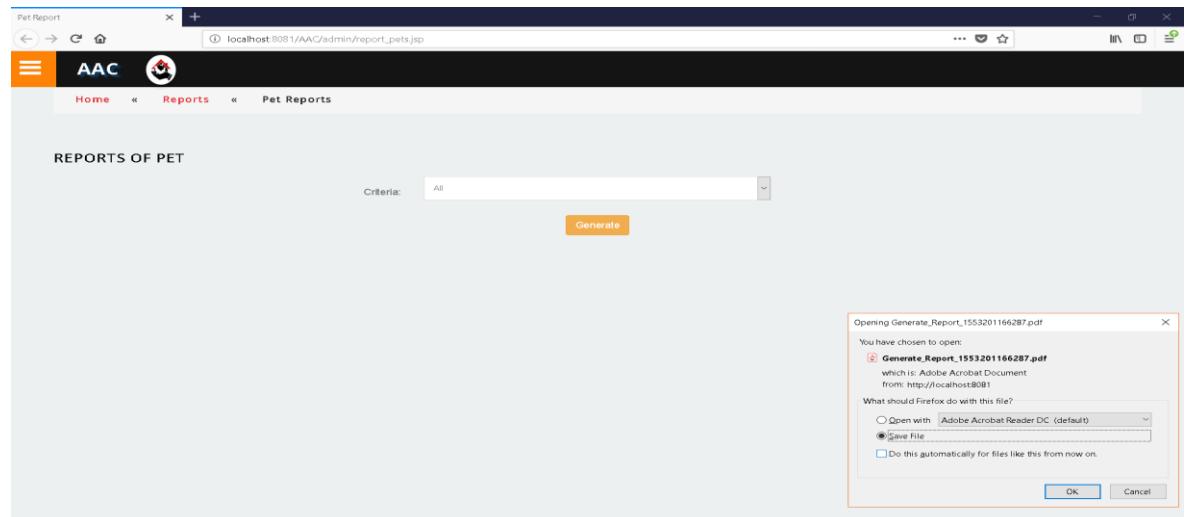


Figure 2.3- Pet report page with criteria

PDF generated for all pet report

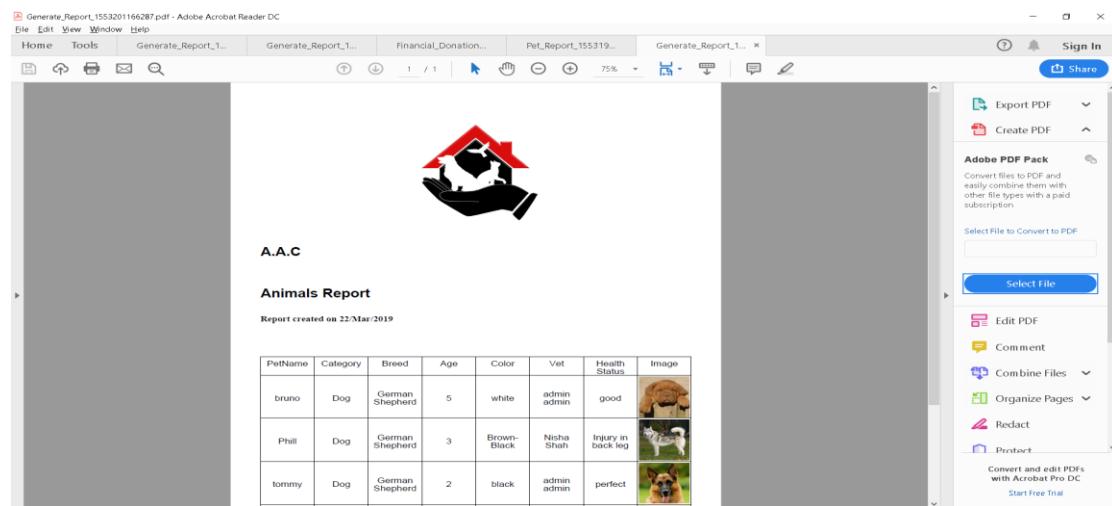


Figure 2.4- Report on pet details

Pet Report for the selected age range

The screenshot shows a web application titled "Pet Report" with the URL "localhost:8081/AAC/admin/report_pets.jsp". The interface includes a navigation bar with "AAC" and a search bar. Below it, a breadcrumb trail shows "Home < Reports < Pet Reports". A title "REPORTS OF PET" is displayed above a search bar with the placeholder "Criteria: All" and a "Generate" button. A "Download" button is visible. The main content area displays a table titled "Pet Report from age 2 to 5" with columns: Pet Name, Category, Breed, Age, Health Status, and Image. The table contains one row for "Alpha" (Dog, Pug, 2, Healthy, with a Beagle image). There are also buttons for "Show [10] entries" and "Search: []".

Figure 2.5- Pet report with age range criteria

PDF file generated for the above pet report after clicking download button

The screenshot shows an Adobe Acrobat Reader DC window with a PDF document titled "Pet_Report_1553196788498.pdf". The PDF header includes the AAC logo and the text "A.A.C" and "Animals Report". It states "Report created on 22/Mar/2019". Below is a table with the same data as the previous screenshot:

PetName	Category	Breed	Age	Color	Vet	Health Status	Image
bruno	Dog	German Shepherd	5	white	admin admin	good	
Phill	Dog	German Shepherd	3	Brown Black	Nisha Shah	Injury in back leg	
Jerry	Dog	Great Dane	5	Black			

The right side of the screen shows the Adobe PDF Pack sidebar with options like "Export PDF", "Create PDF", and "Edit PDF".

Figure 2.6- Report on pet with age criteria

Pet Adoption Report Based on Pet category and breed

The screenshot shows a web application titled "Pet Report" with the URL "localhost:8081/AAC/admin/report_pets.jsp". The header includes the AAC logo and navigation links for Home, Reports, and Pet Reports. Below this is a section titled "REPORTS OF PET" with a search bar labeled "Criteria: All" and a "Generate" button. A "Download" button is also present. The main content area displays a table titled "Pet Report based on category" with columns for Pet Name, Category, Breed, Age, Health Status, and Image. One row is shown for "Alpha" (Dog, Pug, 2, Healthy, with an image of a Beagle puppy). There are buttons for "Show [10] entries" and "Search: []".

Figure 2.7- Pet report with category criteria

PDF file generated for the above report on click of the download button

The screenshot shows a PDF document titled "Generate_Report_1553196051908.pdf" open in Adobe Acrobat Reader DC. The PDF contains a logo for "A.A.C" featuring a red house and a black silhouette of a person holding a dog. Below the logo is the title "Animal Adoptions Report" and the note "Report created on 22/Mar/2019". A table follows, listing two pets: "bruno" (Dog, German Shepherd, Adopted BY Vruttan manka, Adoption Date 2019-03-21, with an image of a brown dog) and "tommy" (Dog, German Shepherd, Adopted BY Neha Rajput, Adoption Date 2019-02-01, with an image of a German Shepherd). The right side of the screen shows the Adobe Acrobat interface with various tools and options.

Figure 2.8- Report on pet with category criteria

Pet Adoptions report based on the adoptions done in a date range

The screenshot shows a web-based application titled "Adoption Report". At the top, there's a navigation bar with links for "Home", "Reports", and "Adoption Reports". Below this, a section titled "REPORTS OF ADOPTION" contains a search bar with the word "All" and a "Generate" button. Further down, there's a "Download" button and a search input field. A table header for "Adoption Report from 01/01/2019 to 01/04/2019" is shown with columns for Pet Name, Category, Breed, Adopted By, Adoption Date, and Image. One row of data is displayed: Pet Name is "Alpha", Category is "Dog", Breed is "Pug", Adopted By is "Viral Shah", Adoption Date is "2019-02-19", and the Image column shows a small photo of a Beagle puppy.

Figure 2.9- Adoption report with date range

PDF file generated for the above adoptions report

The screenshot shows a PDF document titled "Generate_Report_1554401480057.pdf" open in Adobe Acrobat Reader DC. The PDF contains a logo for "A.A.C" featuring a stylized house and animal silhouette. Below the logo, the title "Animal Adoptions Report" is printed, followed by the text "Report created on 04/Apr/2019". A table displays three adoption entries:

Pet	Category	Breed	Adopted BY	Adoption Date	Pet Image
tommy	Dog	German Shepherd	Neha Rajput	2019-02-01	
Alpha	Dog	Pug	Viral Shah	2019-02-19	
bruno	Dog	German Shepherd	Vruttan manka	2019-03-21	

The right side of the screen shows the Adobe Acrobat toolbar with various document management and editing tools.

Figure 2.10- Report on adoptions based on date

Pet Admissions report based on admissions done within a date range

Pet Name	Category	Breed	Adopted By	Adoption Date	Image
Alpha	Dog	Pug	Viral Shah	2019-02-19	
bruno	Dog	German Shepherd	Vruttant manka	2019-03-21	

Figure 2.11- Admission report with date criteria

PDF file generated for the above report on click of the download button

Pet	Category	Breed	Adopted BY	Adoption Date	Pet Image
bruno	Dog	German Shepherd	Manak Bhatt	2019-03-27	
Phill	Dog	German Shepherd	Vruttant manka	2019-03-26	
Wiskers	Cat	Bengal	Vruttant manka	2019-03-29	

Figure 2.12- Report on admission based on date

Financial Donations Report

(Report Based on total donations made by each user)

Donation By	Payment Type	Payment Amount	Payment Date	Payment Reference Number
Manak Bhatt		11000.0		
Viral Shah		15000.0		
Vruttant manka		5000.0		

Figure 2.13- Donation report page

PDF file generated for the above report

User Name	Payment Type	Payment Amount	Payment Date
Vruttant manka		5000.0	
Manak Bhatt		11000.0	

Figure 2.14- Financial donation report

Non-Financial Donations Report based on date range

Figure 2.15- Non financial donation report with date criteria

PDF file generated for the above report

Figure 2.16 – Non Financial donations report

SAMPLE CODING

GeneratePDF.java

(class used to generate PDF file for different reports)

```
public static void createDonationReport(String  
file,ArrayList<FinancialDonationBean> adopBean)  
{  
    Document document = null;  
  
    // Adding a Document class from the iTextPdf library to the output stream  
    try {  
        document = new Document();  
        FileOutputStream f = new FileOutputStream(file);  
        PdfWriter writer = PdfWriter.getInstance(document, f);  
        document.open();  
        addMetaData(document); //Adding additional information  
        addTitlePage(document); // Adding the title of the pdf  
        createAdoptionTable(document,adopBean); //creating table  
        document.close();  
  
    } catch (FileNotFoundException e) {  
  
        e.printStackTrace();  
    } catch (DocumentException e) {  
        e.printStackTrace();  
    }  
    //return document;  
}
```

```
private static void createAdoptionTable(Document  
document,ArrayList<FinancialDonationBean> adopList) throws DocumentException  
{  
    // Creating a paragraph and adding number of required cells to it.  
  
    Paragraph paragraph = new Paragraph();  
    createEmptyLine(paragraph, 2);  
    document.add(paragraph);  
  
    PdfPTable table = new PdfPTable(4);  
  
    PdfPCell c1 = new PdfPCell(new Phrase("User Name"));  
    c1.setHorizontalAlignment(Element.ALIGN_CENTER);  
    table.addCell(c1);  
  
    c1 = new PdfPCell(new Phrase("Payment Type"));  
    c1.setHorizontalAlignment(Element.ALIGN_CENTER);  
    table.addCell(c1);  
  
    c1 = new PdfPCell(new Phrase("Payment Amount"));  
    c1.setHorizontalAlignment(Element.ALIGN_CENTER);  
    table.addCell(c1);  
  
    c1 = new PdfPCell(new Phrase("Payment Date"));  
    c1.setHorizontalAlignment(Element.ALIGN_CENTER);  
    table.addCell(c1);  
  
    table.setHeaderRows(1);  
    //ArrayList<EmpBean> listOfEmp = EmpDao.getAllEmps();  
    for (int i = 0; i < adopList.size(); i++) {  
        FinancialDonationBean adopBean = adopList.get(i);  
        table.setWidthPercentage(100);  
    }  
}
```

```
table.getDefaultCell().setHorizontalAlignment(Element.ALIGN_CENTER);

table.getDefaultCell().setVerticalAlignment(Element.ALIGN_MIDDLE);
    table.addCell(adopBean.getFirst_name());
    table.addCell(adopBean.getPayment_type());

    table.addCell(String.valueOf(adopBean.getPayment_amount()));

    table.addCell( adopBean.getPayment_date() ==null? "" :
(adopBean.getPayment_date()).substring(0, 11));

}

document.add(table); //adding the created table to the document
}

private static void addMetaData(Document document) {

    document.addTitle("A.A.C REPORT");
    document.addSubject("Financial Donations REPORT");
    document.addAuthor("AAC");
    document.addCreator("AAC");
}

private static void addTitlePage(Document document)
    throws DocumentException {
    Paragraph preface = new Paragraph("A.A.C", HELVETICA);
    createEmptyLine(preface, 2);
    preface.add(new Paragraph("Financial Donations REPORT",
    HELVETICA));
    preface.setAlignment(Paragraph.ALIGN_CENTER);
    createEmptyLine(preface, 1);
    createEmptyLine(preface, 1);
}
```

```
SimpleDateFormat simpleDateFormat = new  
SimpleDateFormat("dd/MMM/yyyy");  
  
// Fetching current system to date to add report creation date  
  
preface.add(new Paragraph("Report created on "  
+ simpleDateFormat.format(new Date()) ,  
TIME_NEW_ROMAN));  
  
preface.setAlignment(Paragraph.ALIGN_RIGHT);  
  
createEmptyLine(preface, 1);  
  
try {  
  
    Image img1 = Image.getInstance("E:\\TY  
PROJ\\Template\\AAC\\WebContent\\images\\aac_logo_t1.jpg");  
  
    img1.scaleAbsolute(200, 200);  
  
    img1.setAlignment(Image.ALIGN_CENTER);  
  
    document.add(img1);  
  
} catch (MalformedURLException e) {  
  
    // TODO Auto-generated catch block  
  
    e.printStackTrace();  
  
} catch (IOException e) {  
  
    // TODO Auto-generated catch block  
  
    e.printStackTrace();  
  
}  
  
document.add(preface);  
}
```

FUTURE ENHANCEMENTS

Our project has a lot of possibilities for future enhancements. Apart from the extra functionalities to be provided, we would consider developing a mobile application for our project.

The other enhancements that we consider are as follows:

- A chat system where the users can communicate with each other or contact the admin and/or vet instantly.
- Expand the scope of our website to include multiple cities and state so, users from all over India can contribute and benefit from this cause.
- Allow the users to communicate with vet in real-time using visual media to get the best possible advice about their pets.
- Embed an online social community of adopters and donors on the website so they can directly contact each other.

CONCLUSION

The whole duration of this project work has been a great learning experience for us. It has introduced us more to the working of the real world projects and the problems that we face while developing them.

By the development of this website, we conclude that it will make it easy for a layman who wants to find a solution regarding the adoption, admission or health issues of a pet.

We also concluded that the project helps to make people aware regarding the idea of animal adoption rather than buying or force breeding. Our project indeed makes it easy for the people who are willing to make monetary donations, and as it is online, it is preferred by people who don't want to transact through traditional methods, or who don't live near the animal shelter.

It also generates a sense of confidence amongst people who are willing to help a sick or stray animal but are unaware of the medium or means of doing so. Our project will enable pet lovers to adopt a pet without having to pay a heavy amount for it.

We also hope to expand the scale of the project and make it ubiquitous by developing it for all digital platforms.

BIBLIOGRAPHY

- Ask the Oracle Masters: - <https://asktom.oracle.com/>
- Udemy – Online Courses: - <https://www.udemy.com/>
- Stack Overflow :- <https://stackoverflow.com/>
- Java EE libraries :- www.java2s.com
- Front end templates :- <https://getbootstrap.com/>
- iTextPDF Engine- <https://itextpdf.com/en>
- Apache HTTP Server:- <https://httpd.apache.org/>
- Razorpay Payment Gateway:- <https://razorpay.com/>