

CENTRAL ZOO

EPROJECT-SEMESTER 1

Center Name		ACE-HCMC-2-FPT Address: 590 Cach Mang Thang Tam, District 3, Ho Chi Minh City	
Instructor		Mr. Nguyen Ngo Phuoc	
Class		T1.1803.M0	
Group		1	
Group members		Name	
		Student ID	
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		Pham Tan Nam Thanh	Student1098221
		Pham Phuong Nam	Student1098850
Duration	Start date	27 th June 2018	
	End date	01 st August 2018	

This is to certify that

Mr./Ms.:

Vu Van Ninh

Pham Tan Nam Thanh

Pham Phuong Nam

has successfully designed & developed

eProject: Central Zoo

Submitted by:

Vu Van Ninh

Date of issue: July 23rd 2018

Authorized Signature:

Table of Contents

ACKNOWLEDGEMENT.....	4
PROBLEM STATEMENT	4
REQUIREMENT SPECIFICATION	4
HARDWARE/ SOFTWARE REQUIREMENTS	5
SCOPE OF THE WORK (IN BRIEF)	6
DIAGRAM OF THE WEBSITE	7
TASK SHEET REVIEW 1	8
SITE MAP	9
MOCK OF THE WEBSITE	10
1. HOMEPAGE.....	10
2. ANIMALS	11
3. ANIMAL DETAIL.....	12
4. DIRECTIONS	13
5. ZOO MAP.....	14
TASK SHEET REVIEW 2	15
WEBSITE DESCRIPTION	16
1. HOME PAGE	16
2. ANIMALS	17
3. DETAIL ANIMAL.....	19
4. DIRECTIONS	20
5. ZOO MAP.....	21
6. DEVELOPMENT TEAM	22
JAVASCRIPT DESCRIPTION	23
1. CHANGE NAVIGATION.....	23
2. FORM VALIDATE.....	24
TASK SHEET REVIEW 3	25

ACKNOWLEDGEMENT

First of all, we are thankful to Mr. Nguyen Ngo Phuoc for supporting us on the project and the cooperation of each team's member. The project couldn't be finished without their hard work. The project help us get more experience in team working and problem solving. It gives us a lot of confidence to face an interview as us have worked on a project.

Finally, we express our gratitude toward our families and colleagues for their kind cooperation and encouragement which help us in completion of this project.

PROBLEM STATEMENT

CENTRAL zoo is one of the biggest zoo in the town. The land area of the zoo is 33 acres. CENTRAL zoo was established in the year 1980 with 10 acre land but lately it was modified and land area was also added in the year 2000. Proper residing space for all the type of animals has been made and maintains human security at high rate. Proper supply of food for all the animals is maintained and checked at regular intervals. You need to develop a website for the CENTRAL zoo which will provide the information about all the animals (like species, animal classification) which are kept and along with their image.

The website is to be developed for the Windows Platform using HTML5, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

REQUIREMENT SPECIFICATION

The Web site is to be created based on the following requirements.

1. The Home Page should be created making use of Sections with a suitable logo.
2. The look and feel of the project must be made user friendly and uniformity in the color combination must be maintained.
3. About us, Contact Us (address and map) must be added, it's location displayed using GeoLocation API on the maps.
4. Animal's information can be added in the categorized like birds, animals, water animals, and so on.
5. Safari option is there for which dummy booking option can be added.
6. Gallery of animals and birds must be added in the website.
7. Timings of the zoo must be added.
8. Navigation of the project must be made smooth.
9. Events organized (Informative for audience and for the welfare of the animals) must be noted.
10. Feedback and query can be added in the website.

HARDWARE/ SOFTWARE REQUIREMENTS

❖ For webmaster

Hardware

- Intel Pentium 4 processor or higher
- 1 Gigabytes of RAM or higher

Software

- Windows 7 OS or higher
- Sublime Text 3, Visual Studio Code
- Bootstrap 3, jQuery, AngularJS, AOS, SweetAlert 2
- HTML5 and Javascript supporting web browsers such as IE, Chrome, Firefox, Opera...

❖ For web users

Hardware

- Intel Pentium 4 processor or higher
- 512 Megabytes of RAM or higher

Software

- Windows XP OS or higher
- HTML5 and Javascript supporting web browsers such as IE, Chrome, Firefox, Opera... (*Website best running on Chrome browser*).

SCOPE OF THE WORK (IN BRIEF)

After a long and detailed discussion, our group has decided to create a website contain the following webpages:

1. Homepage: Display information about events, an introduction about Central Zoo. Provides the widgets such as opening times, tickets, directions, zoo map and feedback.
2. Animals: Display all animals in Central Zoo.
3. Tickets: A form will be displayed, users can enter information to buy tickets online.
4. Directions: Directions to Central Zoo with Google Maps.
5. Zoo Map: Display detailed maps, roads, areas, entrances, exit ...
6. Development Team: Display our team members including, avatar, full name, contact information.

ARCHITECTURE AND DESIGN OF THE SYSTEM

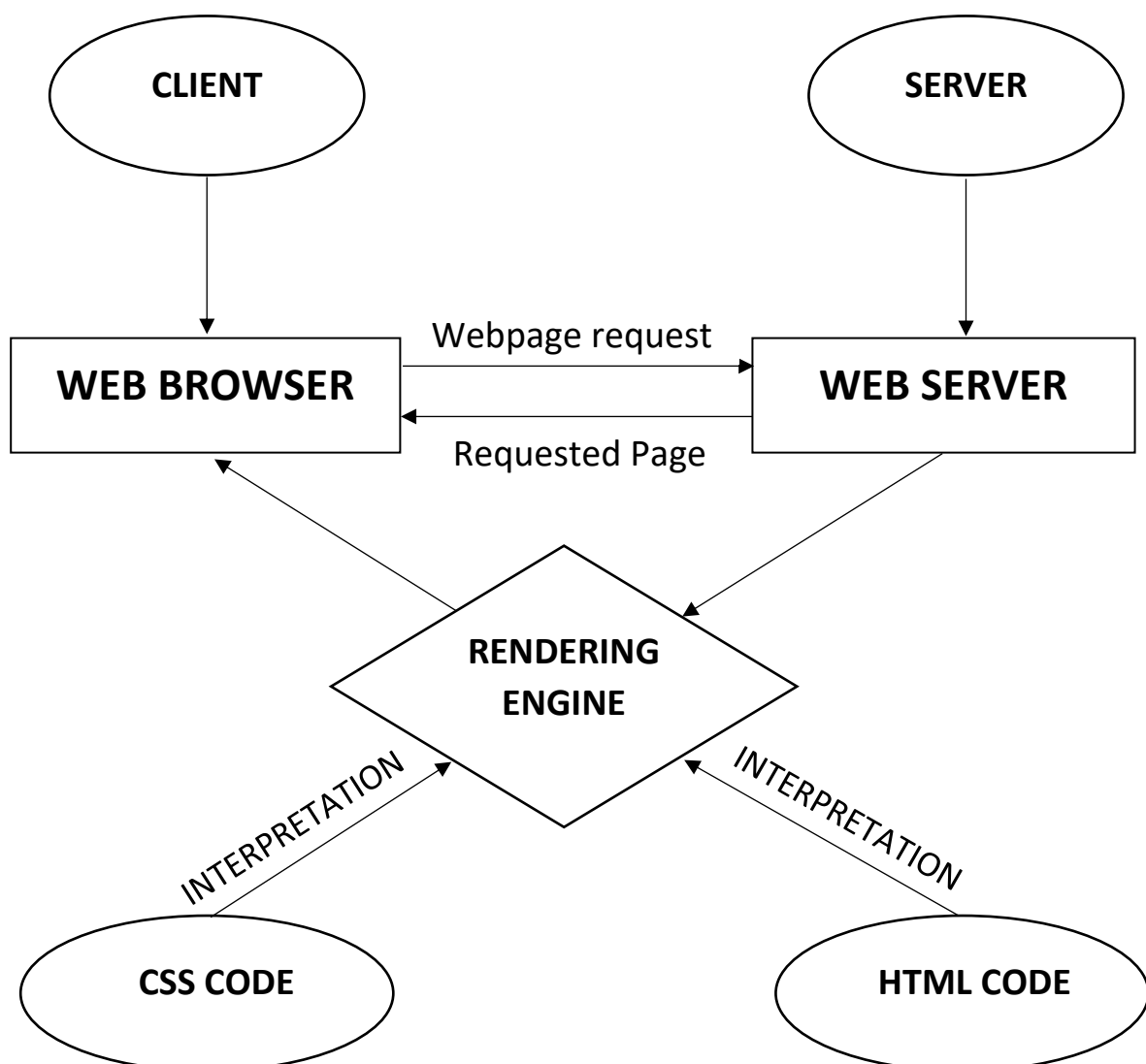
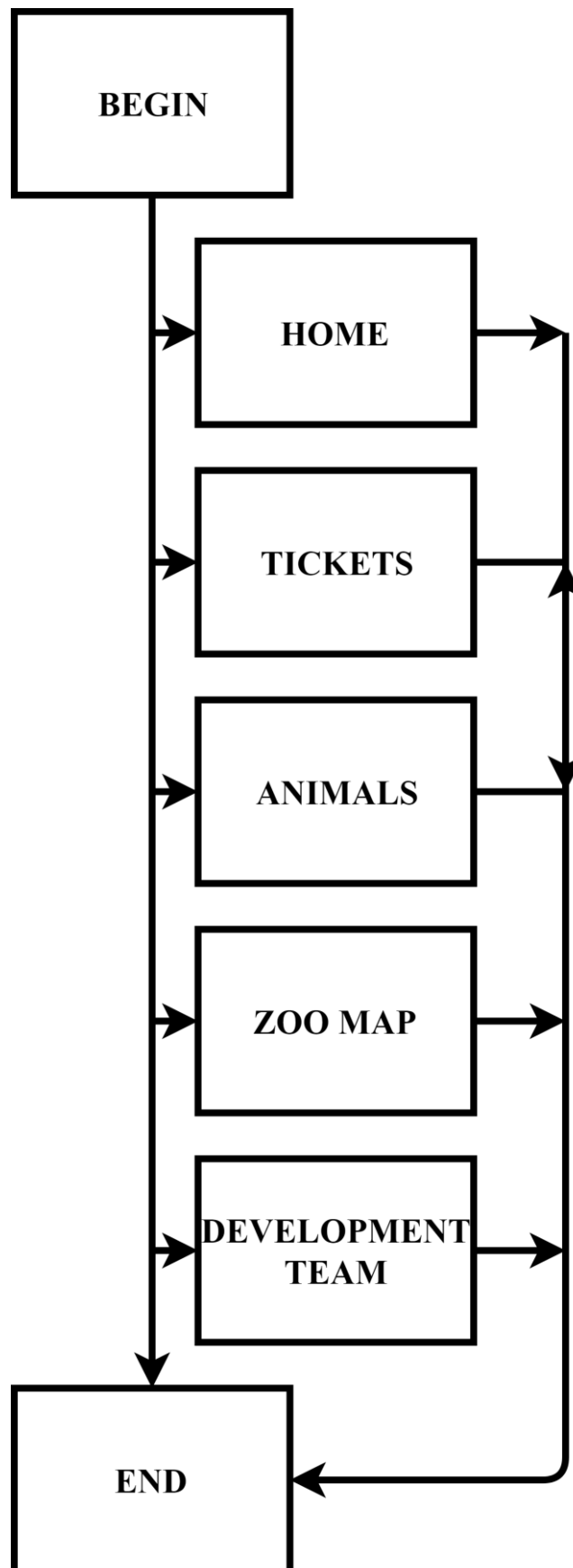


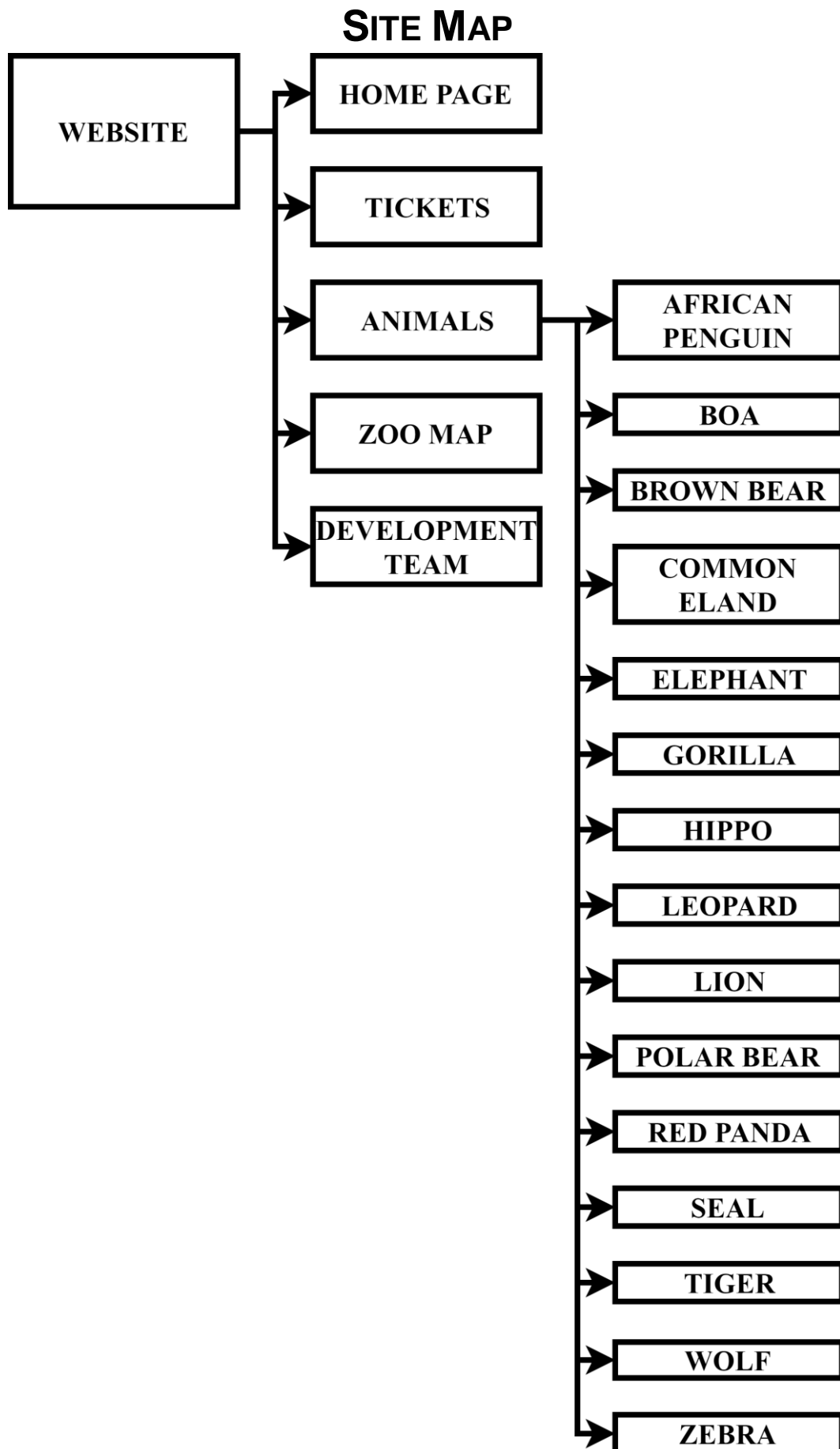
DIAGRAM OF THE WEBSITE



TASK SHEET REVIEW 1

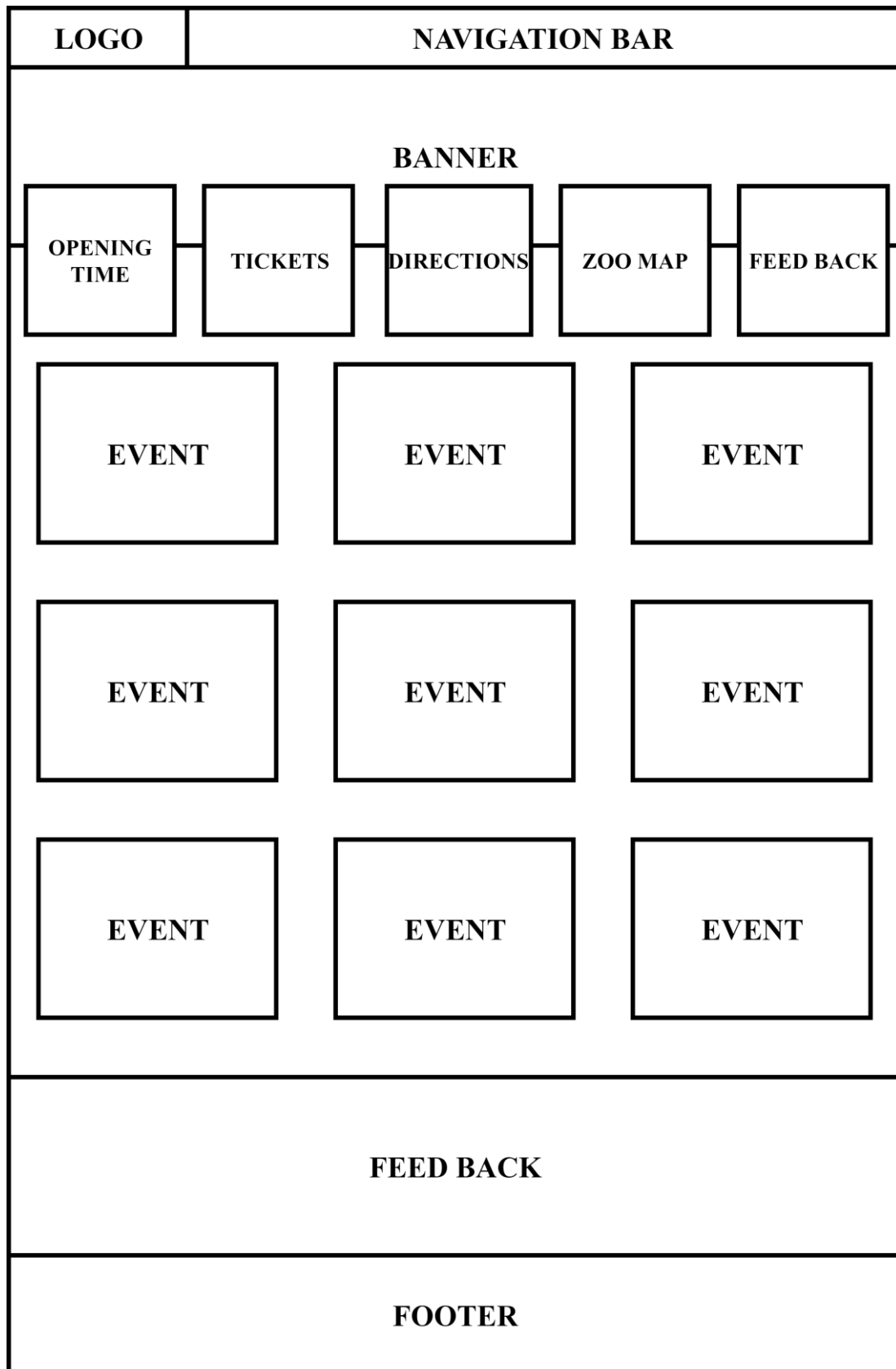
Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Problem Statement	Central Zoo	Ninh	27/6/2018	1	Ninh	Completed
2	Analysis of Central Zoo requirements about the website			27/6/2018	1	Ninh	Completed
3	The scope of the work (in brief)			27/6/2018	1	Nam	Completed
4	Architecture and design of the system			27/6/2018	1	Ninh	Completed
5	Diagram of the website			27/6/2018	1	Thanh	Completed
6	Task Sheet			27/6/2018	1	Nam	Completed

Date:	
Signature of Instructor:	Signature of Team Leader:
Mr. Nguyen Ngo Phuoc	Vu Van Ninh



MOCK OF THE WEBSITE

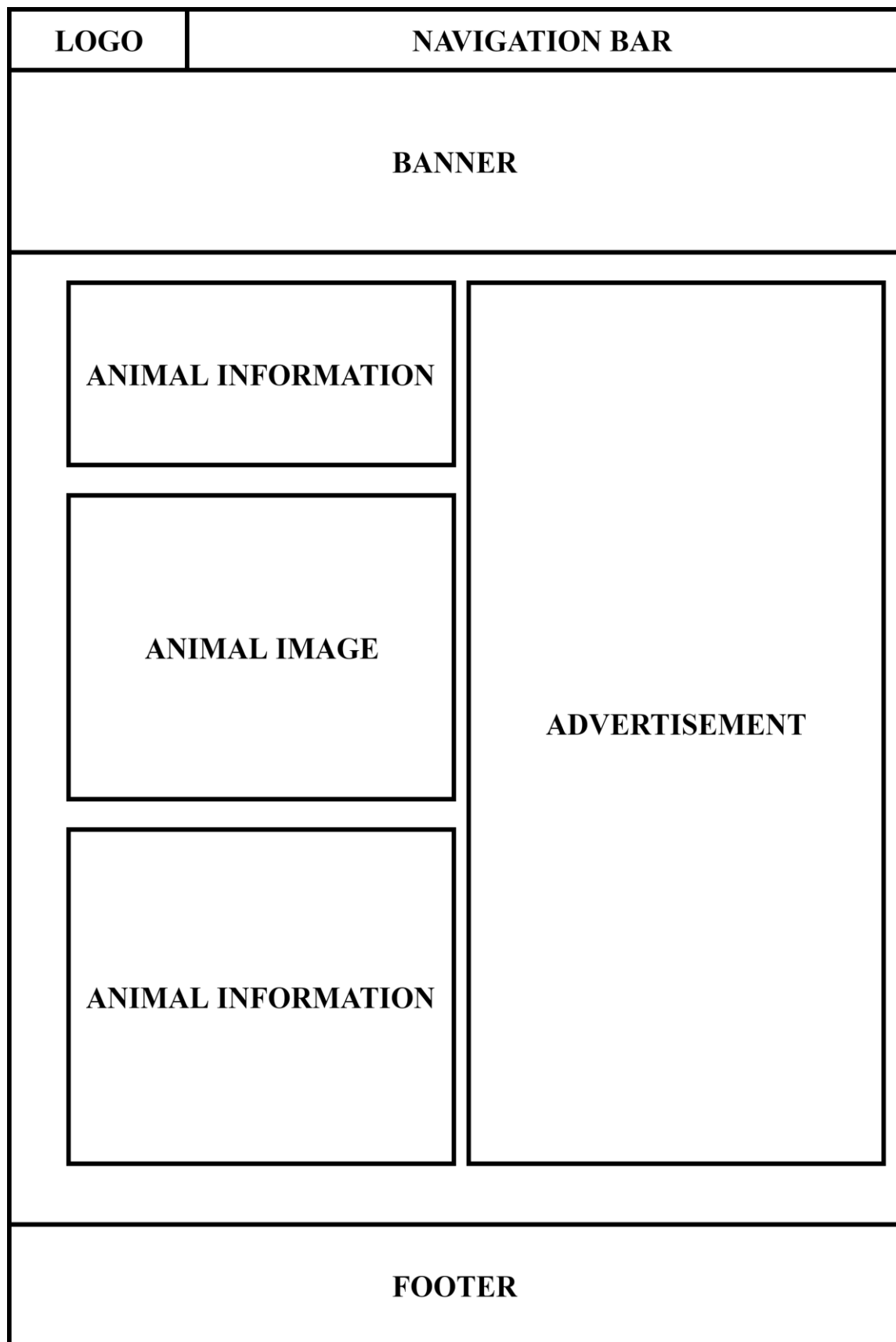
1. Homepage



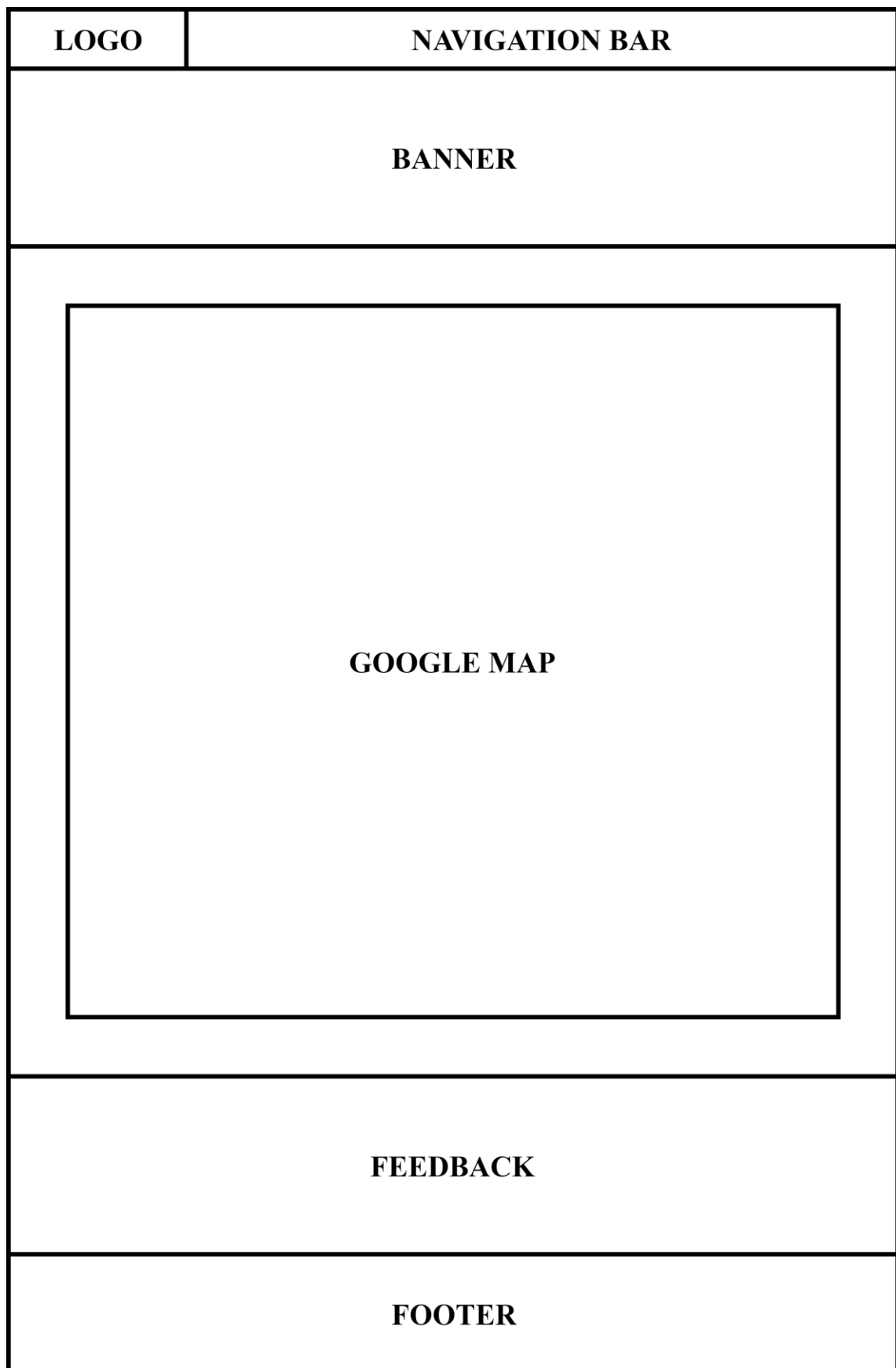
2. Animals

LOGO	NAVIGATION BAR	
BANNER		
ANIMAL IMAGE	ANIMAL IMAGE	ANIMAL IMAGE
ANIMAL NAME	ANIMAL NAME	ANIMAL NAME
ANIMAL IMAGE	ANIMAL IMAGE	ANIMAL IMAGE
ANIMAL NAME	ANIMAL NAME	ANIMAL NAME
ANIMAL IMAGE	ANIMAL IMAGE	ANIMAL IMAGE
ANIMAL NAME	ANIMAL NAME	ANIMAL NAME
FEEDBACK		
FOOTER		

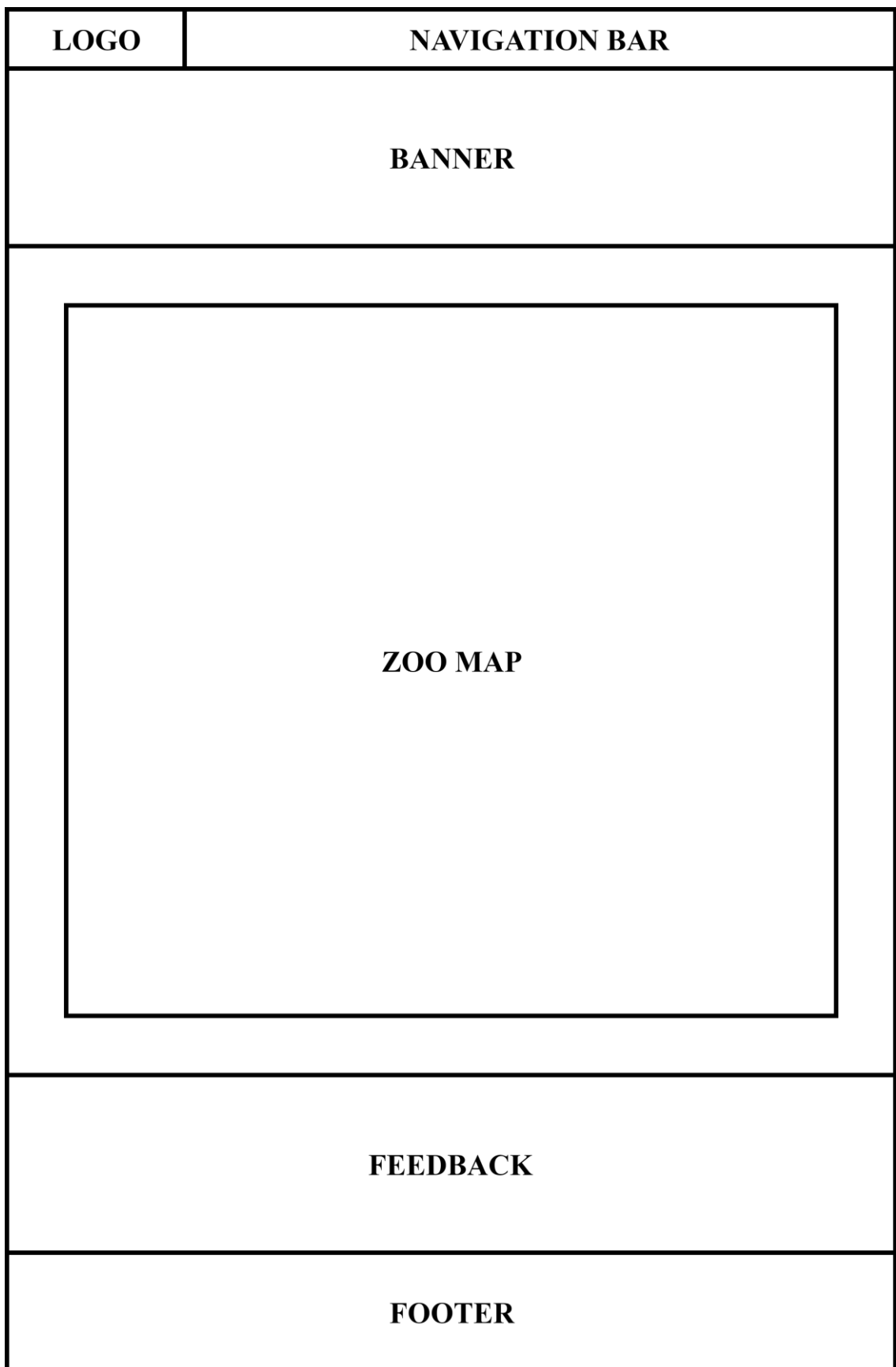
3. Animal Detail



4. Directions



5. Zoo Map



TASK SHEET REVIEW 2

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Site Map	Central Zoo	Ninh	1/7/2018	1	Thanh	Completed
2	Mock of the website			1/7/2018	1	Thanh	Completed
3	Task Sheet			1/7/2018	1	Nam	Completed

Date:	
Signature of Instructor:	Signature of Team Leader:
Mr. Nguyen Ngo Phuoc	Vu Van Ninh

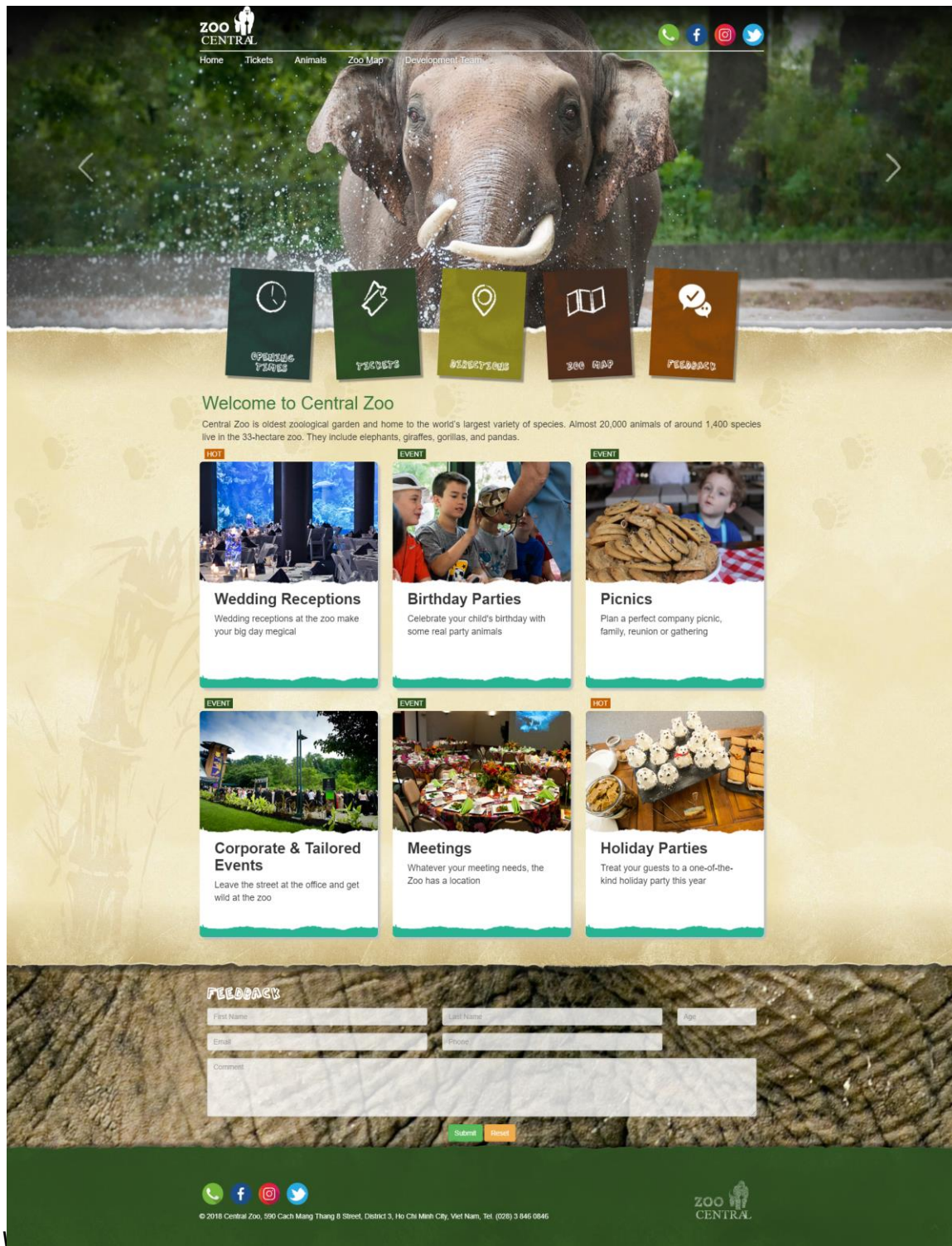
WEBSITE DESCRIPTION

1. Home page

a. Description

Display information about events, an introduction about Central Zoo. Provides the widgets such as opening times, tickets, directions, zoo map and feedback.

b. Screenshot

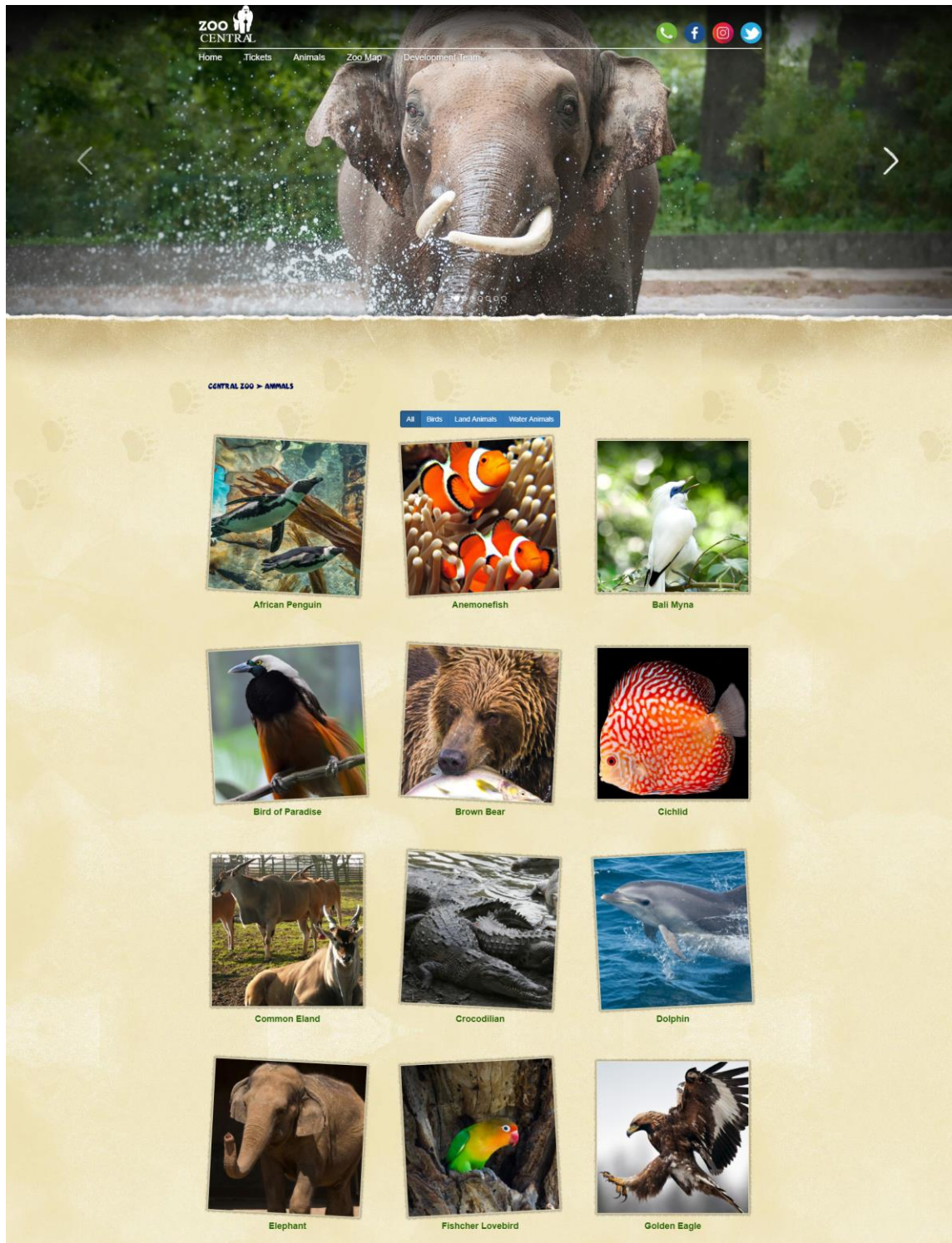


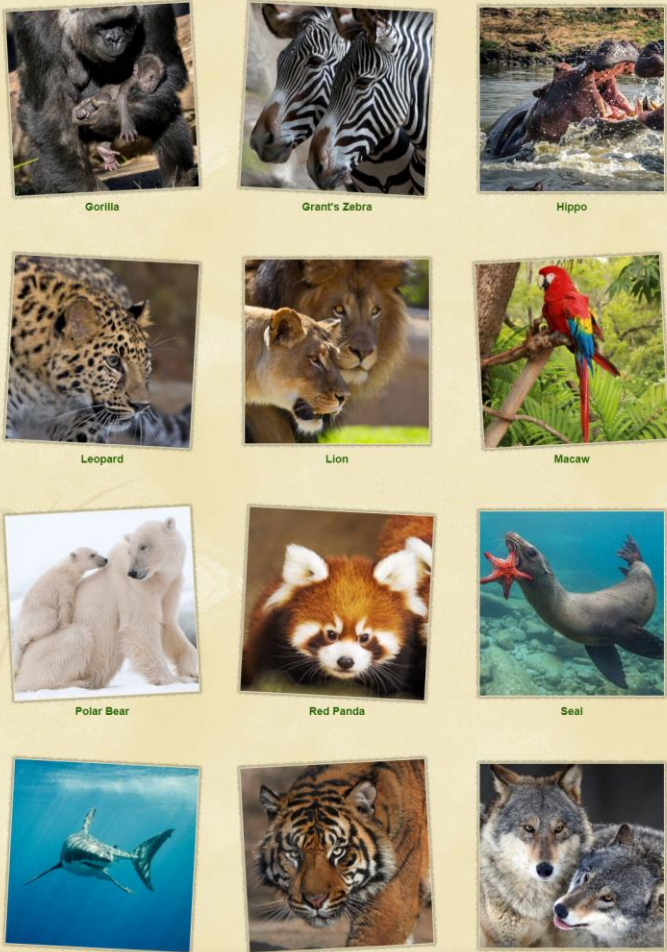
2. Animals

a. Description

Display some highlight animals in Central Zoo.

b. Screenshot





Gorilla

Grant's Zebra

Hippo

Leopard

Lion

Macaw

Polar Bear

Red Panda

Seal

Sharks

Tiger





Wolf

FEEDBACK


First Name: Last Name: Role:

Email: Phone:

Comments:

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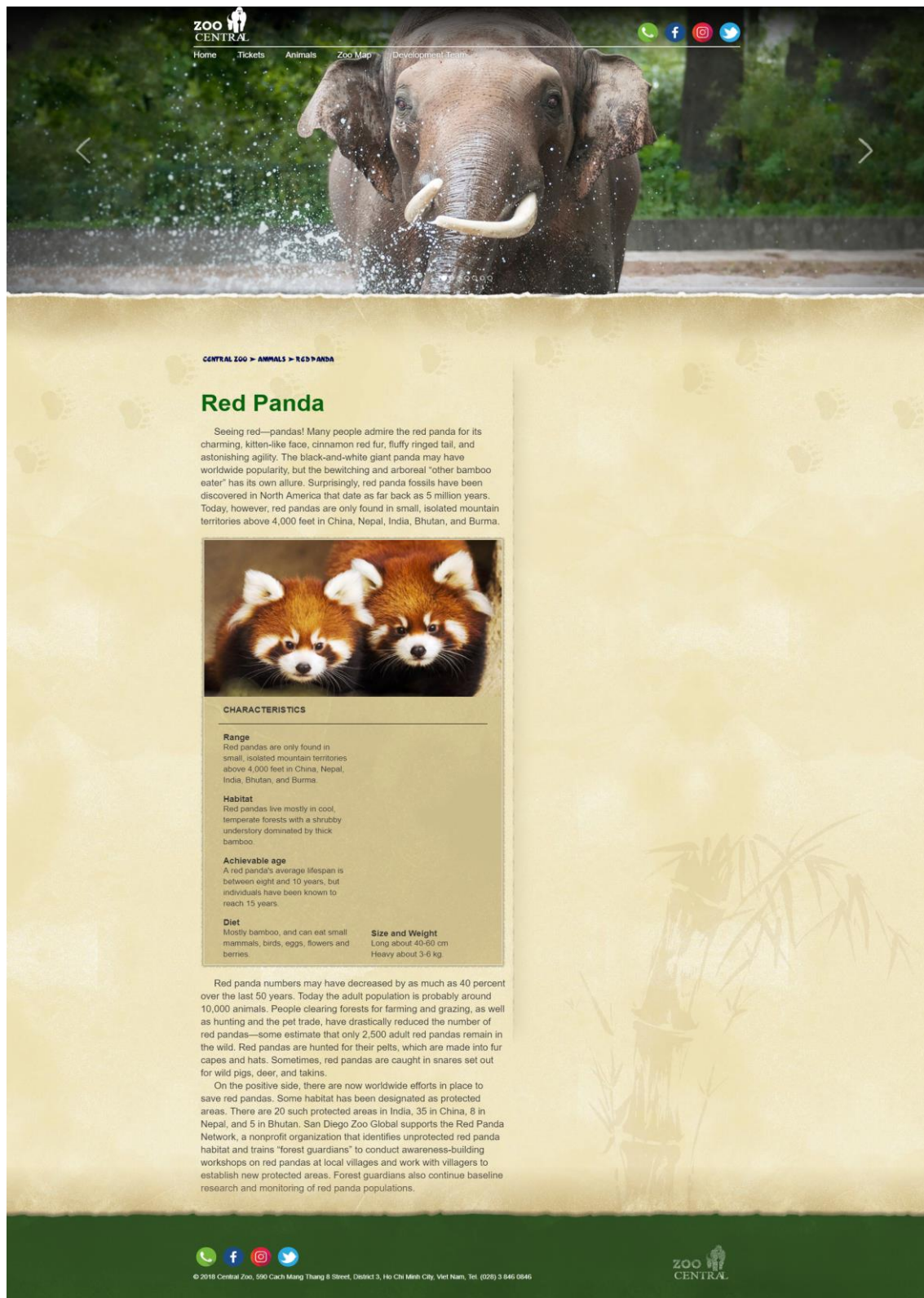


3. Detail Animal

a. Description

Display information, pictures of animals. Summary information includes range, habitat, achievable age, diet, size and weight...

b. Screenshot

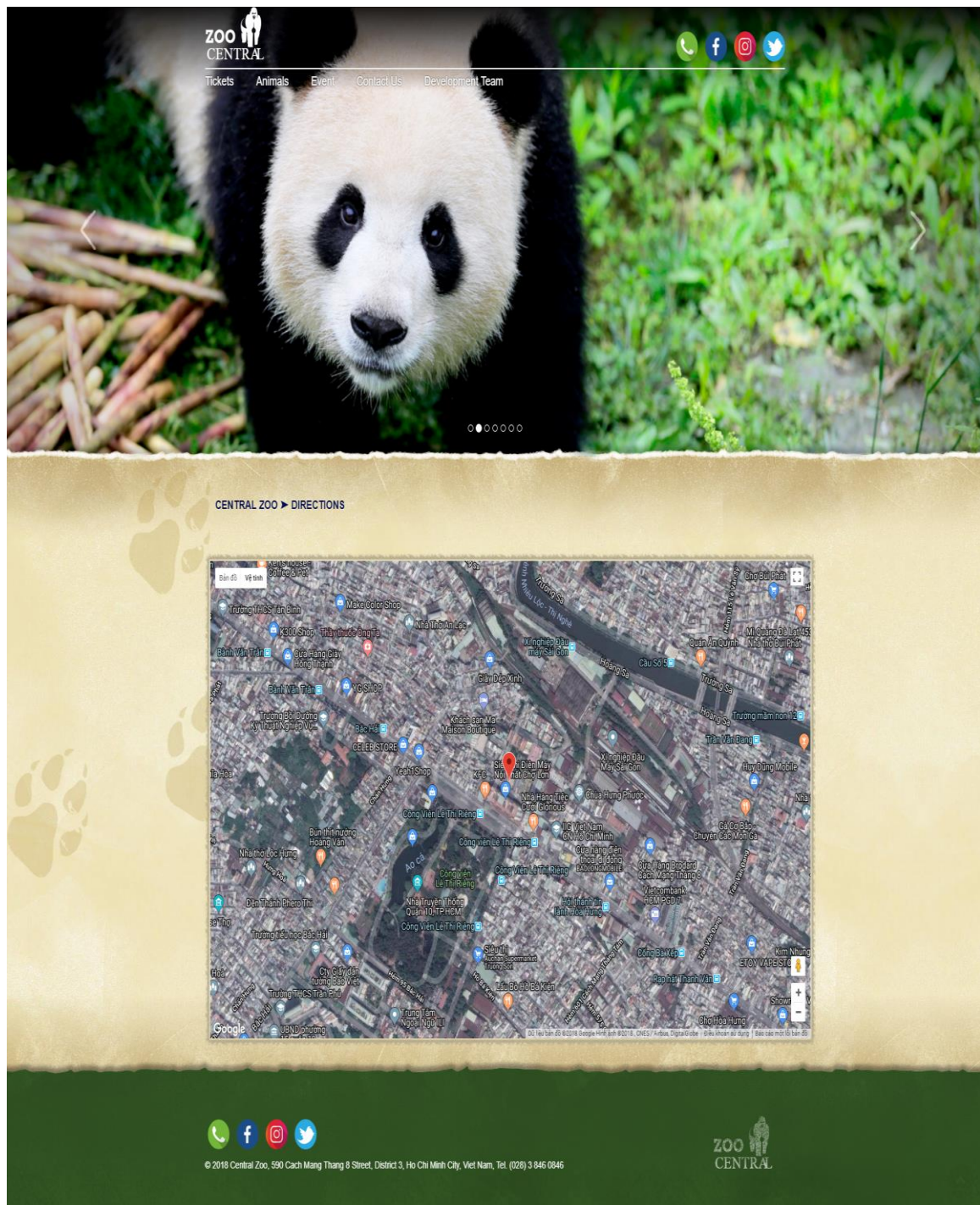


4. Directions

a. Description

Directions to Central Zoo with Google Maps.

b. Screenshot



5. Zoo Map

a. Description

Display detailed maps, roads, areas, entrances, exit...

b. Screenshot

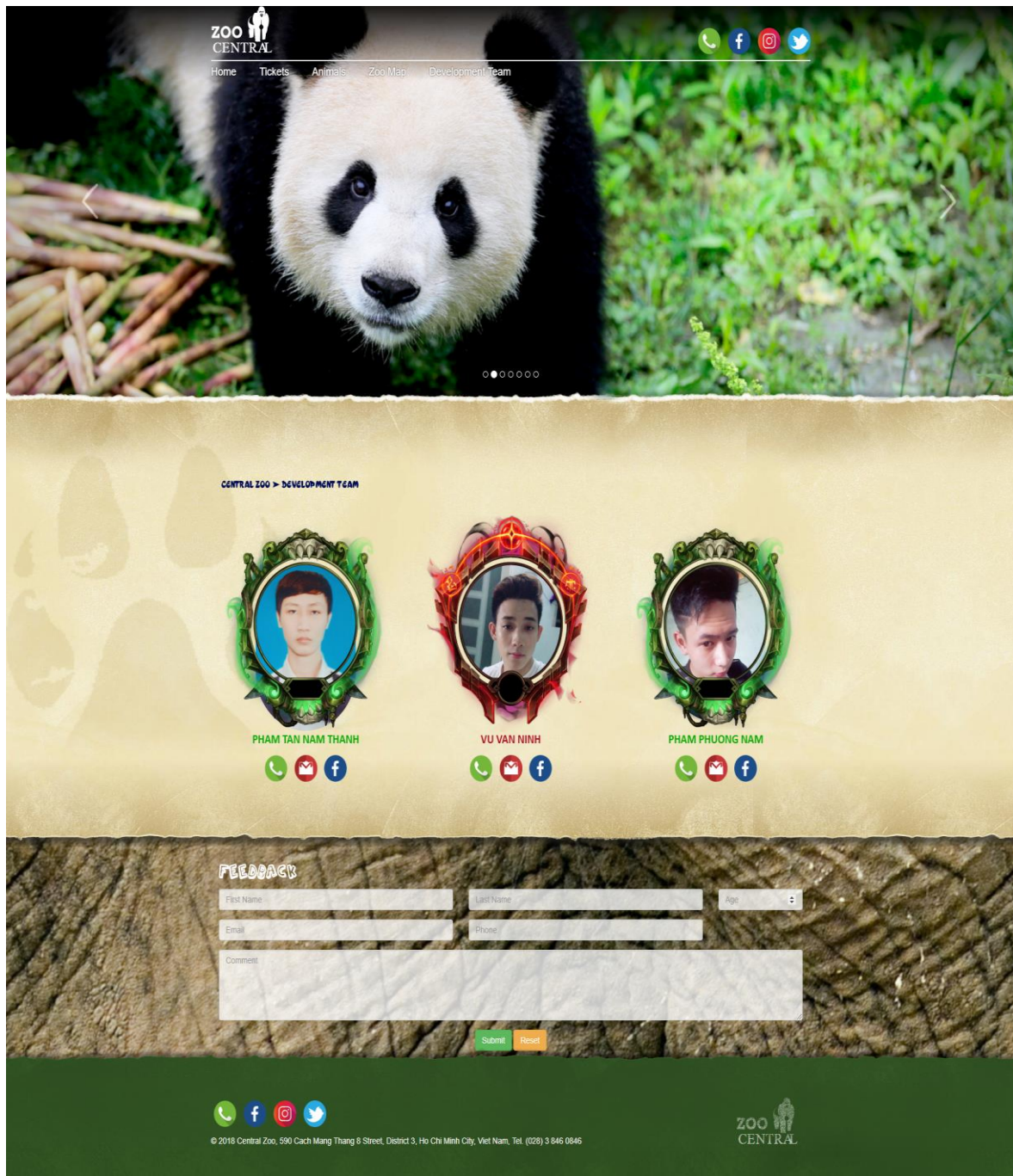


6. Development Team

a. Description

Display our team members including, avatar, full name, contact information.

b. Screenshot



JAVASCRIPT DESCRIPTION

This chapter will provide information about JavaScript function integrated in the website

1. Change Navigation

a. Description

Change the navigation bar when user scroll down or scroll to the top of the page.

b. Screenshot

```

8 $(window).scroll(function() {
9     if(window.scrollY == 0){
10         $('.navbar-top').stop(true, false);
11         $('.navbar-top').animate({top: -200}, 500, function() {
12             $('.nav-full').show();
13             $('.divider-nav').show();
14             $('.nav-group').css('margin', '0px');
15             $('.navbar-top').css('background', 'linear-gradient(#000000E2, #FFFFFF00)');
16             $('.navbar-top').css('box-shadow', 'none');
17         });
18         $('.navbar-top').animate({top: 0}, 500);
19     }else if(window.scrollY < 10){
20         $('.navbar-top').stop(true, false);
21         $('.navbar-top').animate({top: -200}, 500, function() {
22             $('.nav-full').hide();
23             $('.divider-nav').hide();
24             $('.nav-group').css('margin', '25px 0px');
25             $('.navbar-top').css("background-image", "url('images/nav/stickynavBG.jpg')");
26             $('.navbar-top').css('box-shadow', '0px 3px 3px #00000074');
27         });
28         $('.navbar-top').animate({top: 0}, 500);
29     }
30 });

```

2. Form Validate

a. Description

Validate when user enters information into the feedback form.

b. Screenshot

```

109 //Validation Function
110 function formValidator(){
111     if($('#[name="firstname"]').val().length < 2){
112         $('#[name="firstname"]').css('border', '2px solid #CF2F2FFF');
113     }else $('#[name="firstname"]').css('border', '2px solid #30EF0FFF');
114     if($('#[name="lastname"]').val().length < 2){
115         $('#[name="lastname"]').css('border', '2px solid #CF2F2FFF');
116     }else $('#[name="lastname"]').css('border', '2px solid #30EF0FFF');
117     if($('#[name="age"]').val() < 16 || $('#[name="age"]').val() > 70){
118         $('#[name="age"]').css('border', '2px solid #CF2F2FFF');
119     }else $('#[name="age"]').css('border', '2px solid #30EF0FFF');
120     if(!isEmail($('#[name="email"]').val())){
121         $('#[name="email"]').css('border', '2px solid #CF2F2FFF');
122     }else $('#[name="email"]').css('border', '2px solid #30EF0FFF');
123     if($('#[name="phone"]').val().length < 10 || $('#[name="phone"]').val().length > 13){
124         $('#[name="phone"]').css('border', '2px solid #CF2F2FFF');
125     }else $('#[name="phone"]').css('border', '2px solid #30EF0FFF');
126     if($('#[name="comment"]').val().length < 3){
127         $('#[name="comment"]').css('border', '2px solid #CF2F2FFF');
128     }else $('#[name="comment"]').css('border', '2px solid #30EF0FFF');
129     if($('#[name="firstname"]').val().length > 1 && $('#[name="lastname"]').val().length > 1
130         $('##zoo-modal').modal();
131     }
132 }

```

3. Mobile Navbar Toggle

a. Description

Show the menu when the user click the button.

b. Screenshot

```

50 function navbarToggle() {
51     $('#nav-icon').hover(function(){
52         $(this).toggleClass('hover');
53     });
54     $('#nav-icon').click(function(){
55         $('#nav-mobile').removeClass('nav-mobile-hide');
56         $('#nav-mobile').addClass('nav-mobile-show');
57     });
58     $('#nav-close-icon').click(function(){
59         $('#nav-mobile').removeClass('nav-mobile-show');
60         $('#nav-mobile').addClass('nav-mobile-hide');
61     });
62 }

```


TASK SHEET REVIEW 3

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Template	Central Zoo	Ninh	2/7/2018	1	Ninh	Completed
2	Homepage			3/7/2018	1	Ninh	Completed
3	Tickets			6/7/2018	1	Ninh	Completed
4	Animals			4/7/2018	1	Ninh	Completed
5	Directions			5/7/2018	1	Ninh	Completed
6	Detail Animals			3/7/2018	2	Nam	Completed
7	Zoo Map			3/7/2018	1	Thanh	Completed
8	Development Team			4/7/2018	1	Thanh	Completed
9	Javascript Description			5/7/2018	1	Ninh	Completed
10	Gathering information and images			3/7/2018	1	Nam	Completed
11	UserGuide			7/7/2018	1	Thanh	Completed

Date:	
Signature of Instructor:	Signature of Team Leader:
Mr. Nguyen Ngo Phuoc	Vu Van Ninh