



FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

CENTRAL ZOO

EPROJECT – SEMESTER 1

Center Name		ACE-HCMC-2-FPT Address: 59 Cach Mang Thang Tam , District 3 , Ho Chi Minh City	
Instructor		Mr. Nguyen Ngo Phuoc	
Class		T1.2005.E1	
Group		1	
Group members		Name	Student ID
		Nguyen Thanh Duong	Student1251711
		Tran Nguyen Xuan Tien	Student1251775
Duration	Start date	01/08/2020	
	End date	01/09/2020	

This is to certify that

Mr./Ms.:

Nguyen Thanh Duong

Tran Nguyen Xuan Tien

Has successfully designed & developed

eProject : Central Zoo

Submitted by:

Nguyen Thanh Duong

Date of issue:

Authorized Signature:

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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 we 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

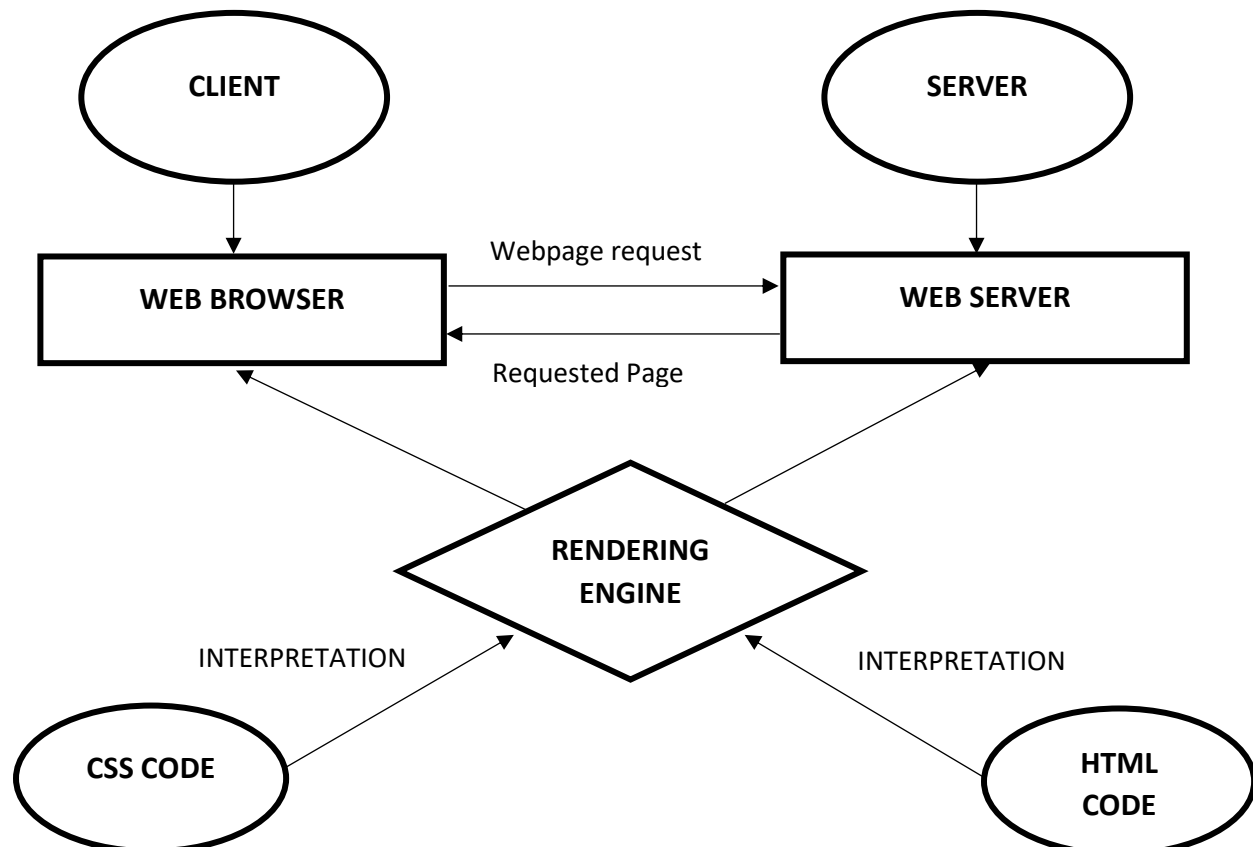
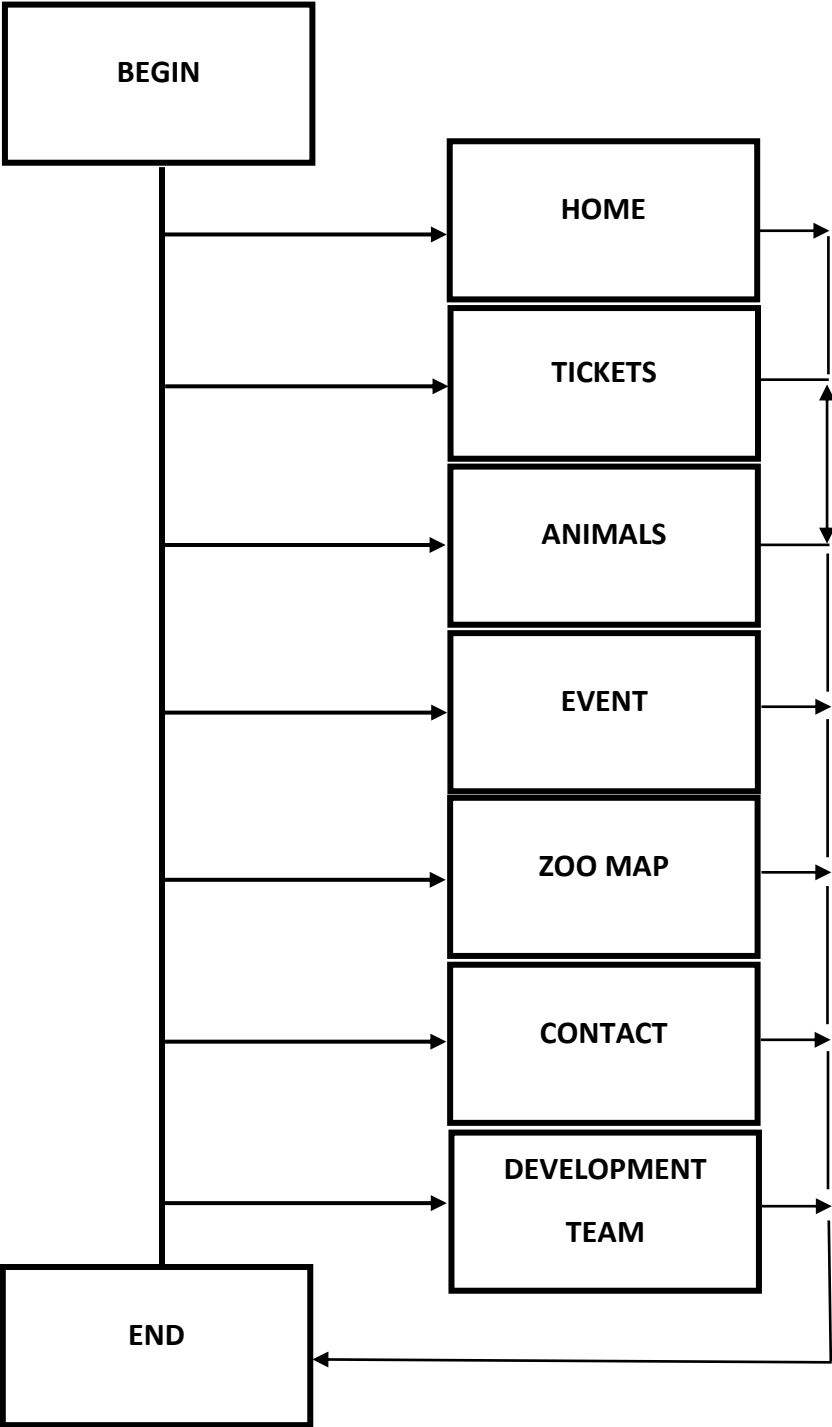


DIAGRAM OF THE WEBSITE



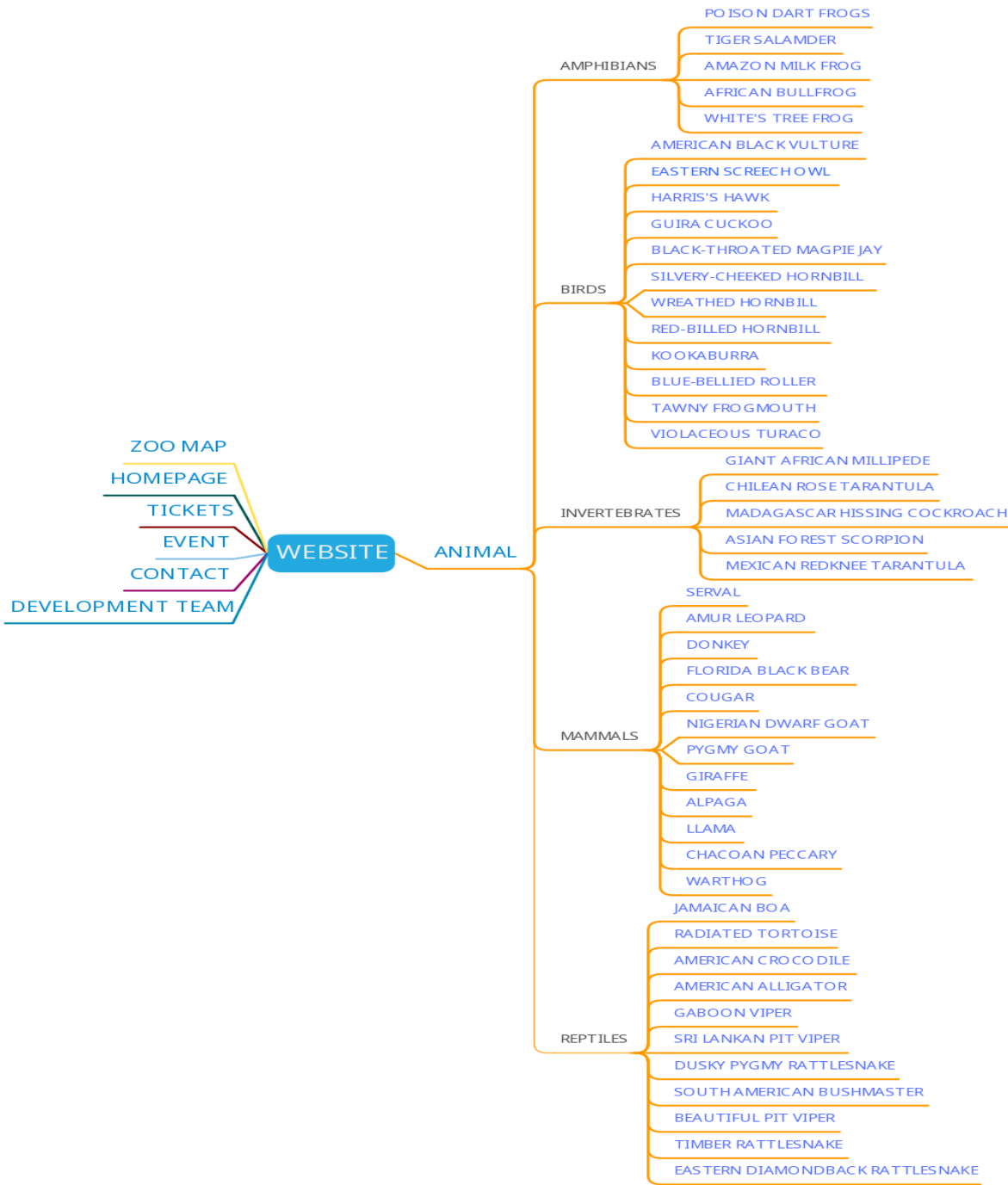
TASK SHEET REVIEW 1

Project Ref. No. : eP/Advertisement Portal Management System/01		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	Duong	01/8/2020	1	Tien	Completed
2	Analysis of Central Zoo requirement about the website			07/8/2020	1	Tien	Completed
3	The scope of the work (in brief)			10/8/2020	1	Tien	Completed
4	Architecture and design of the system			13/8/2020	1	Duong	Completed
5	Diagram of the website			15/8/2020	1	Duong	Completed
6	Task Sheet			19/8/2020	1	Duong	Completed

Date:

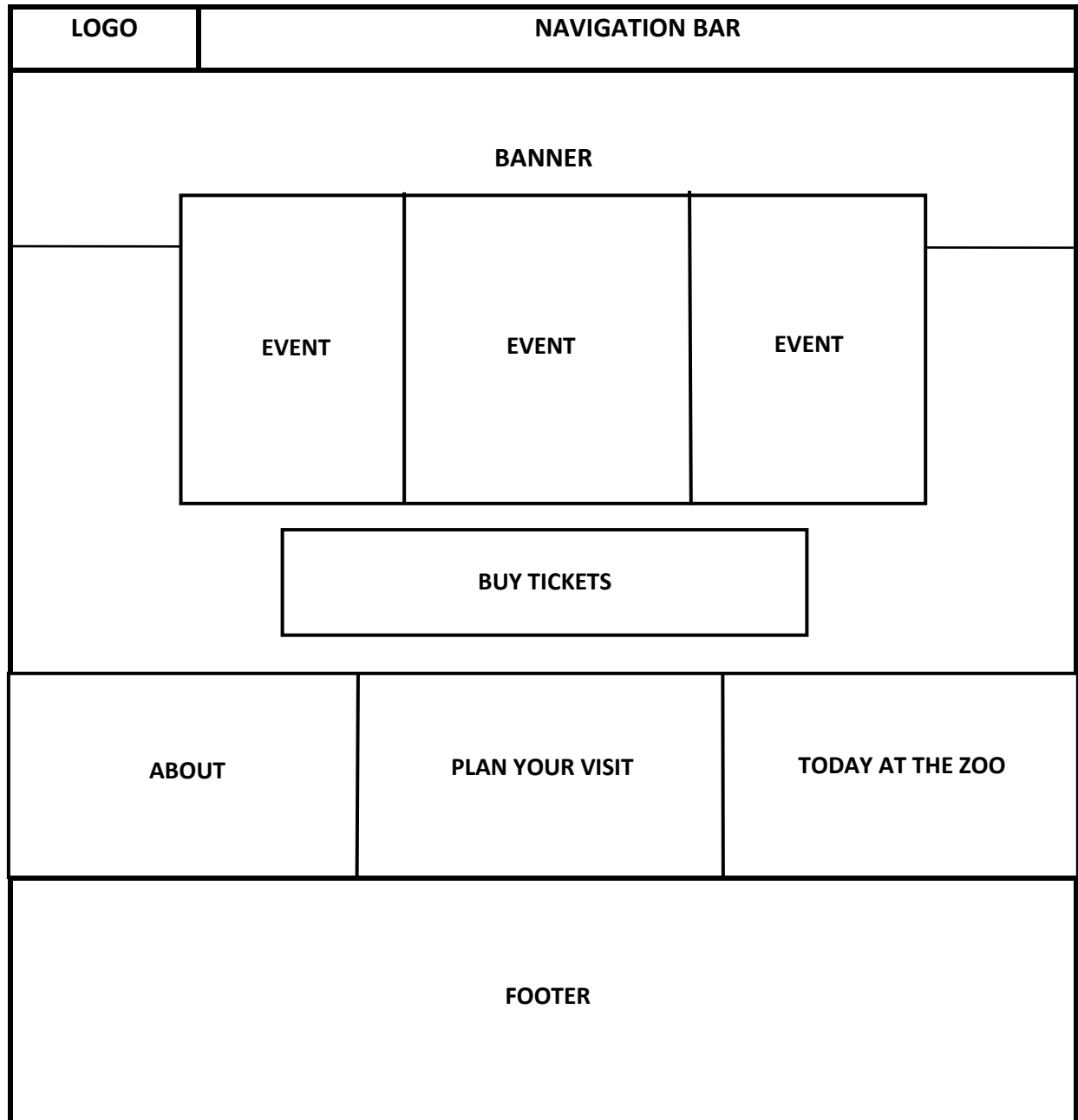
Signature of Instructor:
Mr. Nguyen Ngo PhuocSignature of Team Leader:
Nguyen Thanh Duong

SITE MAP



MOCK OF THE WEBSITE

1. Homepage



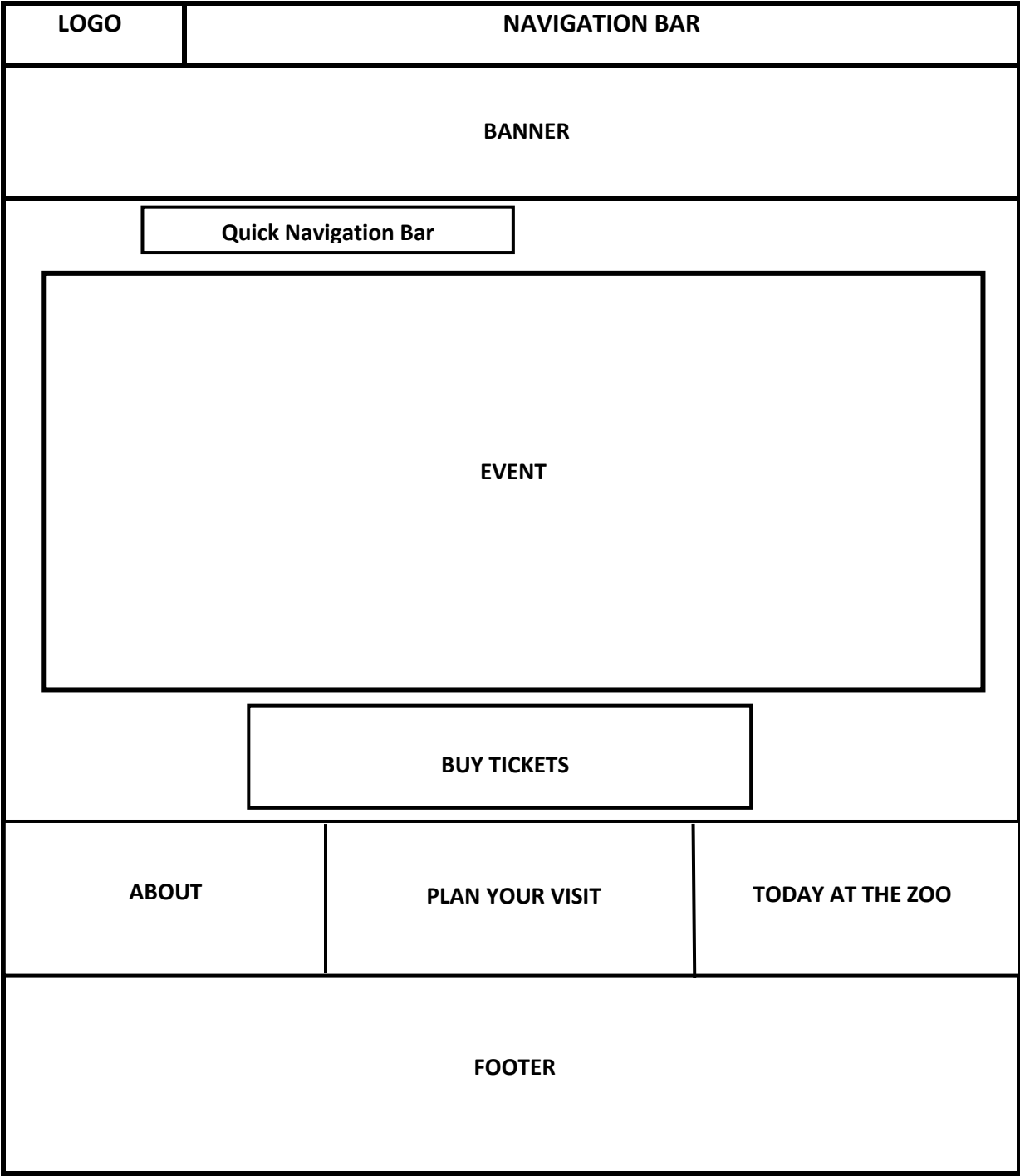
2. Ticket

LOGO	NAVIGATION BAR	
BANNER		
TICKET SELECTION		
BUY TICKETS		
ABOUT	PLAN YOUR VISIT	TODAY AT THE ZOO
FOOTER		

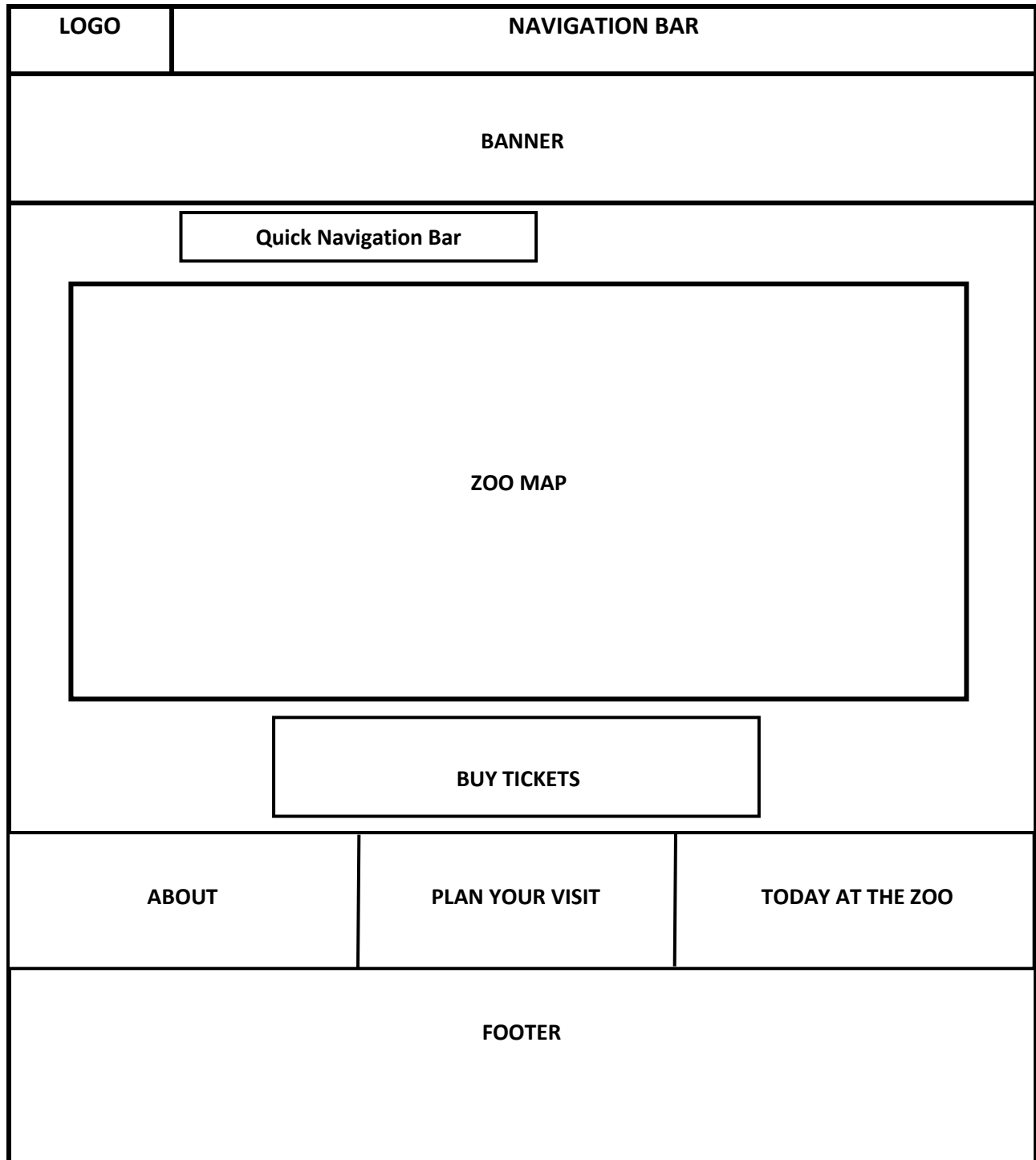
3. Animal

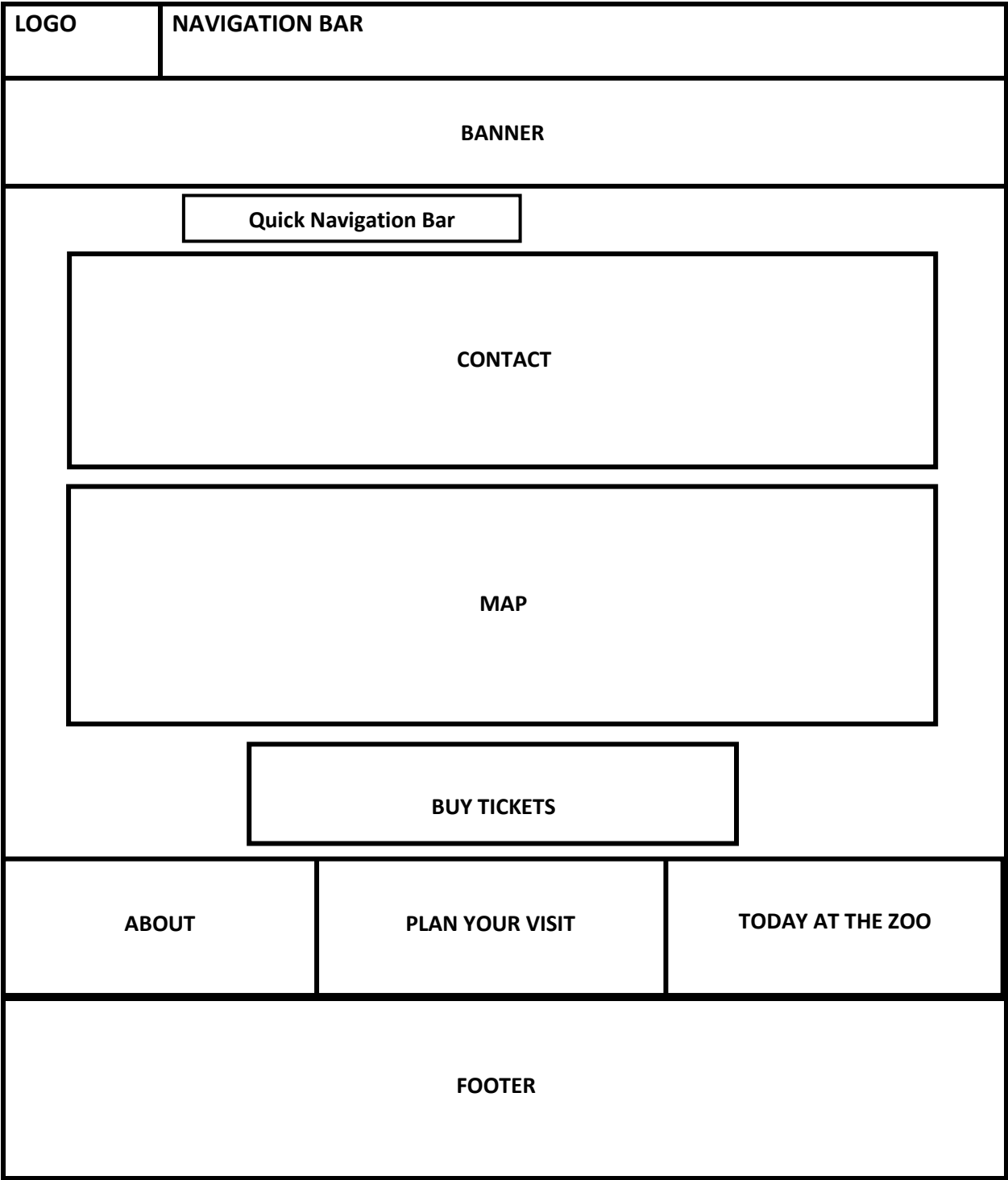
LOGO	NAVIGATION BAR	
BANNER		
Quick Navigation Bar		
ANIMALS AT THE ZOO		
ANIMAL	ANIMAL	ANIMAL
	ANIMAL	ANIMAL
BUY TICKETS		
ABOUT	PLAN YOUR VISIT	TODAY AT THE ZOO
FOOTER		

4. Events



5. Zoo Map





TASK SHEET REVIEW 2

Project Ref. No.: eP/Advertisement Portal Management System/01		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	Duong	10/08/2020	1		Completed
2	Mock of the website			14/08/2020	1		Completed
3	Task Sheet			20/08/2020	1		Completed

Date:	
Signature of Instructor: Mr. Nguyen Ngo Phuoc	Signature of Team Leader: Nguyen Thanh Duong


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


[Tickets](#)
[Animals](#)
[Event](#)
[Zoo Map](#)
[Contact](#)
[Development Team](#)

UPCOMING EVENTS - September 20, 2020

Sunset at the Zoo, presented by GrayRobinson

Sunset at the Zoo, presented by GrayRobinson is a wild adults-only evening at the Zoo!

UPCOMING EVENTS - August 28, 2020

Family Sunset at the Zoo

Family Sunset at the Zoo is a wild evening at the Zoo for the whole family!


UPCOMING EVENTS - September 8, 2020


Sunset at the Zoo, presented by GrayRobinson

Sunset at the Zoo is a wild adults-only evening at the Zoo!

[View More Events](#)

Purchase Tickets Online


[Buy Now](#)





ABOUT OUR PARK

Manhattan's Central Park Zoo is one of the oldest in the country, first opening on its current site in 1861. In the 1980s, the Wildlife Conservation Society assumed management of the park under a contract with the City of New York and completed a dramatic five year transformation. Since reopening in 1988, our mission has been to engage future generations of conservationists and create wildlife champions.

PLAN YOUR VISIT


[» Zoo Map](#)



TODAY AT THE ZOO

10:00 AM	Zoo Opens
04:30 PM	Last Entry
05:00 AM	Zoo Closes

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[t](#)
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[in](#)
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ZOO CENTRAL

Here you can use rows and columns to organize your footer content. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

ANIMALS

- Amphibians
- Invertebrates
- Birds
- Mammals
- Reptiles

EVENT

- GrayRobinson
- Family Sunset
- Adults-only evening
- Adults-only evening

CONTACT

- New York, NY 10012, US
- contact@ZooCentral.Info
- + 01 234 567 88
- + 01 234 567 89

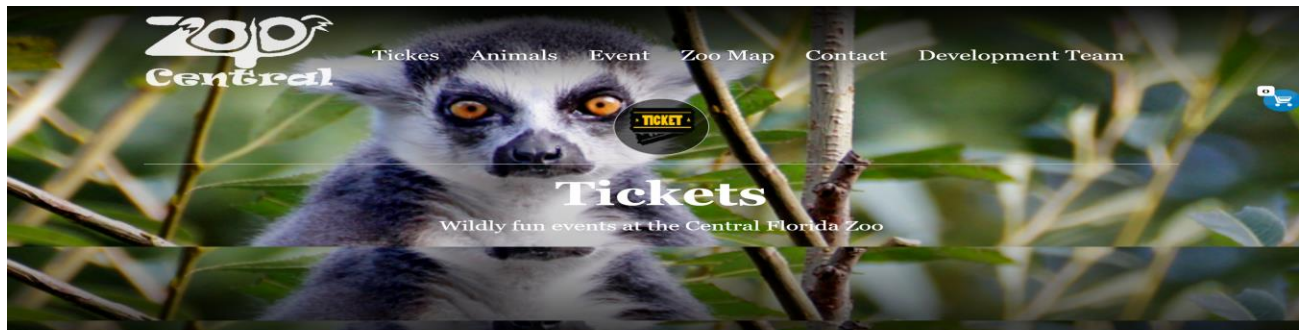
© 2020 Copyright: Zoo Central

2. Tickets

a. Description

Page showing information on buying tickets to the zoo.

b. Screenshot



Adult Admission Ticket

Good for one adult admission aged 19-61 (valid 365 days from the purchase date)

Admission tickets are not valid for special events, Member Exclusive Mornings (July 4 - 17), or Wild Zoo Halloween.

Price: \$15.00

Buy Now



Child Admission Ticket

Good for one child admission ages 2-18 (valid 365 days from purchase date)

Admission tickets are not valid for special events, Member Exclusive Mornings (July 4 - 17), or Wild Zoo Halloween.

Price: \$10.00

Buy Now



Senior Admission Ticket

Good for one senior admission ages 62 & over (valid 365 days from purchase date)

Admission tickets are not valid for special events, Member Exclusive Mornings (July 4 - 17), or Wild Zoo Halloween.

Price: \$12.00

Buy Now

Purchase Tickets Online

Buy Now



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PLAN YOUR VISIT



>> Zoo Map



TODAY AT THE ZOO

10:00 AM Zoo Opens
04:30 PM Last Entry
05:00 AM Zoo Closes

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ZOO CENTRAL

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ANIMALS

Amphibians
Invertebrates
Birds
Mammals
Reptiles

EVENT

Gray Robinson
Family Sunset
Adults-only evening
Adults-only evening

CONTACT

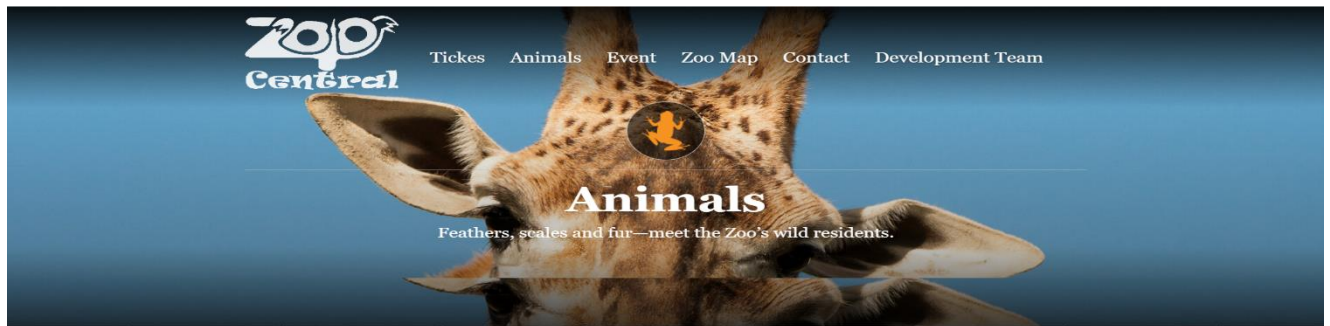
New York, NY 10012, US
contact@ZooCentral.Info
+ 01 234 567 88
+ 01 234 567 89

3. Animals

a. Description

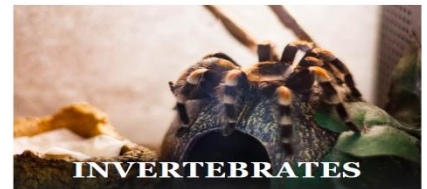
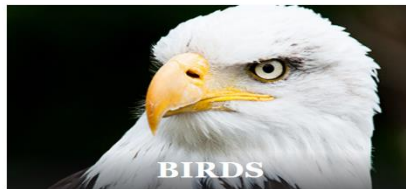
Display some highlight animals in Central Zoo.

b. Screenshot


[Home Page](#)
[Animals](#)

ANIMALS AT THE ZOO

In 1975, the Central Florida Zoo settled into its new location along Lake Monroe. Today, our Zoo is home to more than 350 animals representing over 100 species, from tiny, yet mighty, scorpions, to graceful giraffes and even the endangered Indian rhino. Come meet some of our planet's rarest animals and get to know the species in your own backyard a bit better, including the Florida black bear and the American alligator.



Purchase Tickets Online

[Buy Now](#)


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PLAN YOUR VISIT


[» Zoo Map](#)


TODAY AT THE ZOO

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ZOO CENTRAL

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ANIMALS

[Amphibians](#)
[Invertebrates](#)
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[Reptiles](#)

EVENT

[GrayRobinson](#)
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[Adults-only evening](#)
[Adults-only evening](#)

CONTACT


[New York, NY 10012, US](#)
[contact@ZooCentral.Info](#)
[+ 01 234 567 88](#)
[+ 01 234 567 89](#)


4. Detail Animal

a. Description

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

b. Screenshot


[Tickets](#)
[Animals](#)
[Event](#)
[Zoo Map](#)
[Contact](#)
[Development Team](#)



Poison Dart Frogs

Dendrobates spp.

[Home Page](#)
[Animals](#)
[Amphibia](#)
[Poison Dart Frogs](#)

Aposematic Amphibian

Most animals hide with camouflage, but the poison dart frog does the opposite! Their bright colors are easily seen by predators, and serve to warn of the poisonous skin of the frog. This type of warning is called aposematic coloration.

ABOUT THE SPECIES


The "dart" in poison dart frog comes from South American natives coating their weapons in the secretions of the frogs.

Poison dart frogs come in a variety of colors, including red, yellow, green, and blue. They gain their toxicity because of what they eat! They eat a variety of ants, termites, and other insect species. These insects eat plants that have toxins, and the toxins are transferred from plants, to insect, to frog. Many species of frogs are nocturnal, in order to hide better. The poison dart frog is the opposite! They are active in the day, when they can be seen the most. Their bright colors warn predators to not eat them.


The poison dart frogs at the Central Florida Zoo are in several different habitats in the Herpetarium. No worries though! The snakes don't bother the frogs and the frogs don't bother them.

Words From the Experts

"Poison dart frogs are not poisonous in human care, because their toxicity is from what they eat in their natural habitat."













Andrea




has been developed based on the poison of the phantasmal poison frog, and secretions are also being used in the development of muscle relaxants and heart stimulants.


FACTS

 Origin South America	 Diet Ants, termites, centipedes, beetles	 Reproduction Up to 30 eggs per clutch
 Habitat Tropical rainforests	 Predators Larger animals may eat them, but soon learn better	 Status Threatened with habitat loss
 Size 2 inches long .14 ounces	 Natural Defenses Poisonous	 Life Expectancy Up to 15 years



Purchase Tickets Online


[Buy Now](#)




ABOUT OUR PARK

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PLAN YOUR VISIT


[» Zoo Map](#)

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ANIMALS

- Amphibians
- Invertebrates
- Birds
- Mammals
- Reptiles

EVENT

- Gray/Robinson
- Family Sunset
- Adults-only evening
- Adults-only evening

CONTACT

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- contact@ZooCentral.Info
- + 01 212 367 88
- + 01 212 367 89

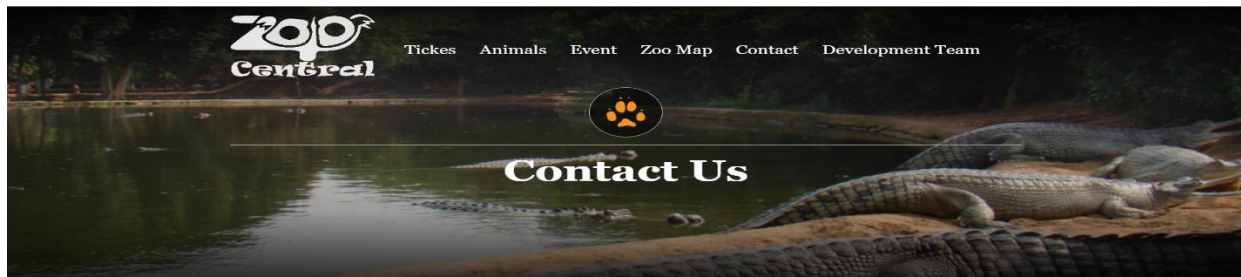
© 2020 Copyright: Zoo Central

5. Contact

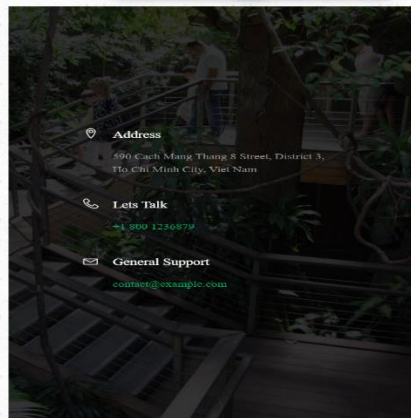
a. Description

Directions to Central Zoo with Google Maps.

b. Screenshot



Home Page Contact Us



Send Us A Message

TELL US YOUR NAME *

First name

Last name

ENTER YOUR EMAIL *

Eg. example@example.com

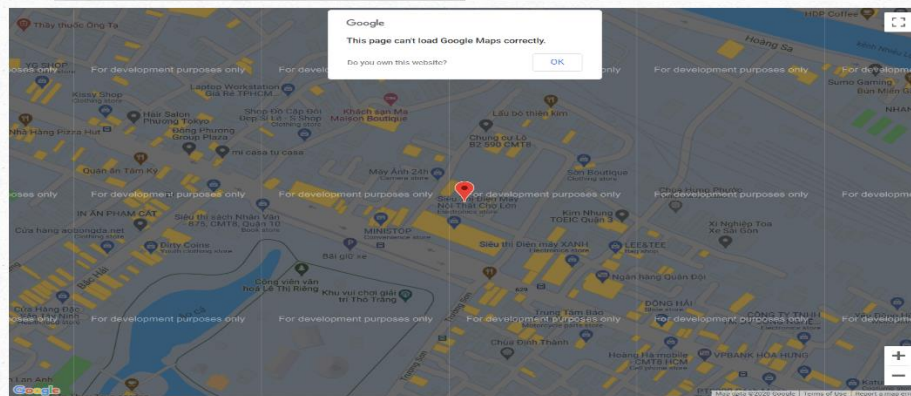
ENTER PHONE NUMBER

Eg. +1 800 000000

MESSAGE *

Write us a message

SEND MESSAGE



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Buy Now



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PLAN YOUR VISIT



>> Zoo Map



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04:30 PM Last Entry

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ZOO CENTRAL

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Adults-only evening

CONTACT

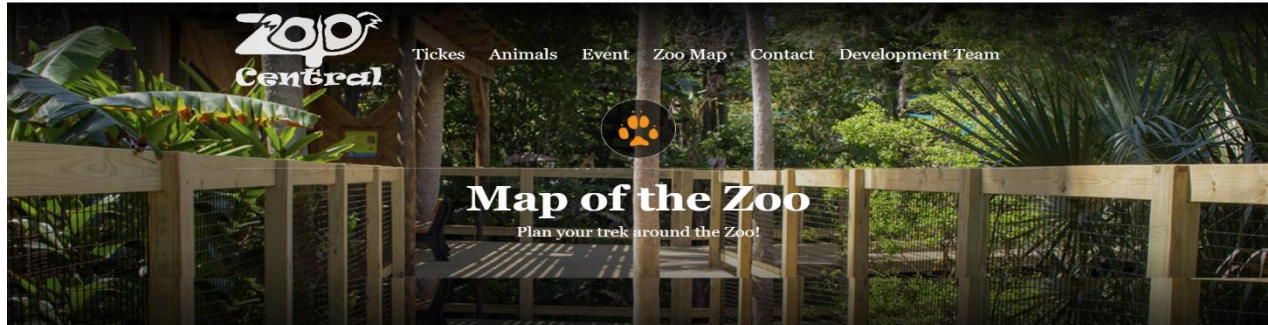
New York, NY 10012, US
contact@ZooCentral.Info
+ 01 234 567 89
+ 01 234 567 89

6. Zoo Map

a. Description

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

b. Screenshot



Home Page

Zoo Map



Purchase Tickets Online

Buy Now



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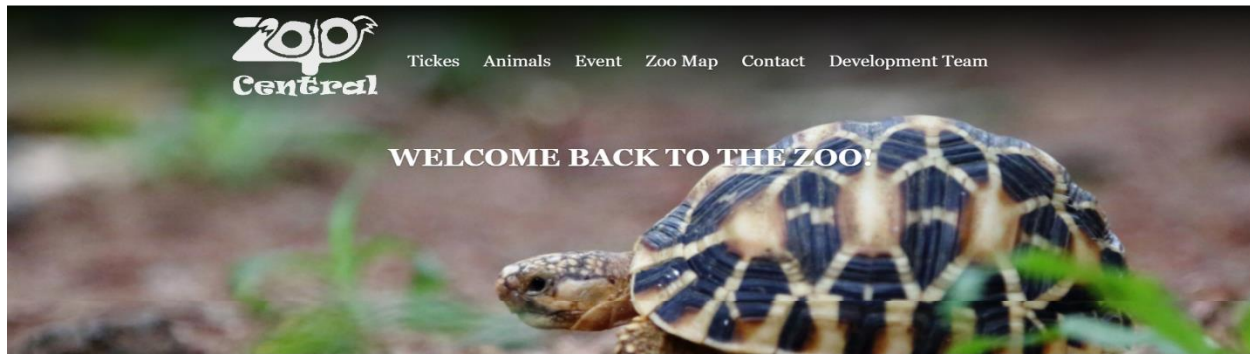
New York, NY 10012, US
contact@ZooCentral.Info
+ 01 234 567 88
+ 01 234 567 89

7. Development Team

a. Description

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

b. Screenshot



Hello I'm

Thanh Duong

Product Designer

✉ DuongDNT93@gmail.com

☎ +84 392 351 493

📍 125 Ngo Duc Ke, P.12, Q.Binh Thanh, HCM



Hello I'm

Xuan Tien

Product Designer

✉ TranNguyenXuanTien1997@gmail.com

☎ +84 3675 060 24

📍 22 Do Duc Thu, Doe Lap, Tan Phu, HCM



Purchase Tickets Online

Buy Now



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PLAN YOUR VISIT



» Zoo Map



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Adults-only evening
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📍 New York, NY 10012, US
✉ contact@ZooCentral.Info
☎ + 01 234 567 88
📠 + 01 234 567 89

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

```
$(document).ready(function () {  
    loadTopMenu();  
    $(window).scroll(function () {  
        if ($(this).scrollTop() < ($("#header").height() - 300)) {  
            $("#nav-top").removeClass('navbar-scroll');  
            $("#logo").removeClass('logo-scroll');  
        } else {  
            $("#nav-top").addClass('navbar-scroll');  
            $("#logo").addClass('logo-scroll');  
        }  
    });  
    $("#buttonToggler").click(function () {  
        $("nav.navbar").toggleClass("nav-top1");  
        $("nav.navbar").toggleClass("change");  
    });  
})  
  
function loadTopMenu() {  
    $('#nav-top').animate({  
        top: -200  
    }, 0, function () {  
        $('#nav-top').animate({  
            top: 0  
        }, 800);  
    });  
}
```


2. Form Validate

a. Description

Validate when user enters information into the feedback form.

b. Screenshot

```
(function ($) {
    "use strict";
    /*=====
    [ Validate ]*/
    var input = $('.validate-input .input100');

    $('.validate-form').on('submit', function () {
        var check = true;

        for (var i = 0; i < input.length; i++) {
            if (validate(input[i]) == false) {
                showValidate(input[i]);
                check = false;
            }
        }
        return check;
    });

    $('.validate-form .input100').each(function () {
        $(this).focus(function () {
            hideValidate(this);
        });
    });

    function validate(input) {
        if ($(input).attr('type') == 'email' || $(input).attr('name') == 'email') {
            if ($(input).val().trim().match(/^([a-zA-Z0-9_\-\.\.])@((\[[0-9]{1,3}\.?[0-9]{1,3}\.?[0-9]{1,3}\.?)|([a-zA-Z0-9\-\.\.]+\.))([a-zA-Z]{1,5}|[0-9]{1,3})\.?$/)) == null) {
                return false;
            }
        } else {
            if ($(input).val().trim() == '') {
                return false;
            }
        }
    }
})
```

3. Load Module

a. Description

Jquery load module to index

b. Screenshot

```
$(document).ready(function () {
    events();
});

function events() {
    $("a.homePage").click(function () {
        $("#ticket-content").addClass('d-none');
        $("div.zs-slideshow").css('z-index', '2');
        $(".shadow-inner-content").removeClass("d-none");
        $(".header-event").addClass("d-none");
        $("title").text("Zoo Central");
        $("#bd-content").empty();
        $("#content-home").removeClass('d-none');
        scollToTop();
        return false;
    });

    $("a.about").click(function () {
        $("#bd-content").load("./modules/about.html", function () {
            $("#ticket-content").addClass('d-none');
            $("#content-home").addClass('d-none');
            $("div.zs-slideshow").css('z-index', '2');
            $(".shadow-inner-content").removeClass("d-none");
            $(".header-event").addClass("d-none");
            $("title").text("About - Zoo Central");
            $("#bd-content").removeClass('d-none');
            scollToTop();
        });

        return false;
    });
});
```

TASK SHEET REVIEW 3

Project Ref. No.: eP/Advertisement Portal Management System/01		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	Duong				
2	Homepage						
3	Tickets						
4	Animals						
5	Directions						
6	Detail Animals						
7	Zoo Map						
8	Development Team						
9	Javascript Description						
10	Gathering information and images						
11	UserGuide						

Date:

Signature of Instructor:

Mr.Nguyen Ngo Phuoc

Signature of Team Leader:

Nguyen Thanh Duong