

CET2045 - Web Programming - Practicum 01

Topics Covered: HTML

Learning Objectives:

- Familiarize with basic HTML. This includes
 - basic HTML structure
 - formatting text
 - using classes and IDs
 - Proper way to construct tables
 - How to create forms
- Apply HTML coding best practices such as
 - proper and consistent naming conventions
 - proper HTML structure throughout

Deliverables:

- Submit a single html file called `CET2045_P01_<Your_Name>.html` (e.g. `CET2045_P01_John_Doe.html`).

Background

Construct a html web page from scratch using a text editor (IDEs or Web Development Software are not required). Marks will be deducted for redundant code generated by such software.

Task

You are given a html file, a CSS file and an image. A basic structure has already been created for you in the HTML page. You should build up the required elements into this html file based on the instructions in order to create a website that looks like the image on the next page:

A Trip to the Zoo!

About

Woohoo!

Hi, we are planning a trip to the **zoo**.



Itinerary

This is the planned itinerary:

Time	Animal	Activity
Morning		
9am to 10am	Lions	Feeding time with the lions
10am to 11am	Otters	Otter talk
11am to 12pm	Monkeys	Fabulous Monkey Show
Afternoon		
1pm to 2pm	Giraffes	Giraffe Encounter
2pm to 3pm		Giraffe Feeding
3pm to 4pm	Cheetahs	Meet the Cheetahs

Description

Some of the animals we will visit are **lions**, tigers, and elephants.

Fun Facts about animals

- A polar bear's hair is not white – it's colourless. Each thick strand of hair is hollow and reflects the light, making the polar bear appear white. Beneath this transparent fur, the skin is black, to soak up any warmth from the sun and keep the bear as warm as possible.
- A giraffe has seven bones in its neck, which is the same as a human has, but they are much larger.
- The pattern of wrinkles on a gorilla's nose is unique to each one and is known as a 'nose print'. Conservation workers use photos and sketches of gorillas' noses to keep track of individuals.
- Sea otters have the densest fur of any mammal: a large male has around 800 million hairs, compared to just five million on a human.
- The lion has the loudest roar of all the big cats. It can be heard as far as 5km (3 miles) away.

Submit Your Interest

If you are interested in joining us for this trip, submit below!

Name:

Email:

Contact:

Select your gender

Indicate your meal preference

- ☐ I will bring my own lunch
☐ Vegetarian
☐ Non-vegetarian

Choose your contact preference:

☒ Email ☐ SMS

for the <head> tag, don't change anything.

Requirements

- You should not remove or modify any existing code from the html page that is provided to you.
- Do not attempt to change anything from the CSS style sheet, you will only be graded based on your HTML code.
- Add an image tag into the div with the ID "right". The image tag should have an ID called "photo" and its source is the name of the image file that is provided. When this image is clicked, it should open up a new browser tab and load this url: "<https://en.wikipedia.org/wiki/Tiger>"
- The rest of the elements should be added into the div with the ID "left", ie. they should be on the left side of the page (this is already styled by the CSS page)
- Every section should be enclosed with a div using the class "section"
- In the first section called "About", the word zoo should link to the zoo url "<https://www.mandai.com/en/singapore-zoo.html>". Unlike the previous link, this link should load the new page in the same tab.
- In the section called "Itinerary", construct the table as seen in the screenshot. The rows "Morning" and "Afternoon" should contain the class called "subheader". The first row related to the Lions should have the class called "highlight"
- In the section called "Description", the word lions should have the class called "serious". The words tigers and elephants should have the class called "silly"
- Add the following text to the section "Fun Facts About Animals":

```

1 A polar bear's hair is not white - it's colourless. Each thick strand of
  hair is hollow and reflects the light, making the polar bear appear
  white. Beneath this transparent fur, the skin is black, to soak up any
  warmth from the sun and keep the bear as warm as possible.
2
3 A giraffe has seven bones in its neck, which is the same as a human has,
  but they are much larger.
4
5 The pattern of wrinkles on a gorilla's nose is unique to each one and is
  known as a 'nose print'. Conservation workers use photos and sketches of
  gorillas' noses to keep track of individuals.
6
7 Sea otters have the densest fur of any mammal: a large male has around
  800 million hairs, compared to just five million on a human.
8
9 The lion has the loudest roar of all the big cats. It can be heard as far
  as 5km (3 miles) away.
```

- For the section "Submit your Interest", note that gender has a drop down selection, only one meal preference can be chosen and both contact preferences can be ticked. Also, the contact input field should only accept numbers.
- Table html should only be used to build the "Itinerary" section table, it should not otherwise be used for all the other sections.
- As Chrome is the most popular browser, compatibility is based on the Chrome browser.

For the maximum allocation of marks, refer to the table below.

Description	Marks (%)
Successful implementation of image tag	10
Successful implementation of "About" section	15
Successful implementation of "Itinerary" section	20
Successful implementation of "Description" section	5
Successful implementation of "Fun Facts about animals" section	5
Successful implementation of "Submit Your Interest" section	20
Proper and consistent naming conventions.	5
Proper html structure is maintained without redundant code	20

Once you have completed, save your file in the following format `CET2045_P01_<Your_Name>.html`

e.g. `CET2045_P01_John_Doe.html` .