PERSONAL WEBSITE

[GIT | HTML5]

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Project Requirements

Alright, now it's time to make your own personal website. Design a personal webpage about yourself. The project should be subject to the following requirements:

- Your website must contain at least four different .html pages, and it should be possible to get from any page on your website to any other page by following one or more hyperlinks.
- Your website must include at least one list (ordered or unordered), at least one table, and at least one image.
- You should also have some content placed within paragraph.
- Your website must have at least one stylesheet file. The stylesheet(s) must use at least five different *CSS properties*, and at least five different types of *CSS selectors*. You must use the *#id selector* at least once, and the *.class selector* at least once.

Download and Install

https://git-scm.com/download/win
https://git-scm.com/book/en/v2

https://notepad-plus-plus.org/downloads/

Let's Start

CMD COMMAND / cd change directory – move to a specific folder.

The first things we will do is to create a workspace folder ***c:/*** driver. We will be working on *Git Bash terminal*. Now, start by opening your Git bash terminal, then clicking inside your terminal after it has open, and then type the following command: ***cd c:/*** followed by an *Enter* in order to move to ***c:/ drive.***

```
$ cd c:/
```

Here on out, to execute *(i.e., run)* a command means to type it into a git bash terminal and then hit Enter. Commands are "case-sensitive," so be sure not to type in uppercase when you mean lowercase or vice versa.

CMD COMMAND / *mkdir* create a new directory.

Now execute on Git bash terminal

```
$ mkdir workspace
```

To move yourself into *(i.e., open)* that directory. Your prompt should now resemble the below.

```
$ cd workspace
```

Now execute

```
$ mkdir dev-personal-site
```

To move yourself into *(i.e., open)* that directory. Your prompt should now resemble the command below.

```
$ cd dev-personal-site
```

CMD COMMAND / *ls* list all that is in the current directory.

Don't forget, to know what is on the directory, we use *ls* command.

```
$ ls
```

This will be empty

Git Repository

Make dev-personal-site a Git Repository => `git init`

```
$ echo "# Dakalo personal website " >> README.md
$ git init
$ git add README.md
$ git commit -m " first commit "
```

This will create a new repository

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Project Directory Structure

dev-personal-site => *root folder*

- public
  - css
  - js
  - img
  - *index.html* — *This will be our landing page*

Your website must contain at least four different .html pages. Our four different page will be:

- Home : *index.html*
- About (me) : *about.html*
- Skills : *skills.html*
- Portfolio : *portfolio.html*
- Contacts (me) : *contact.html*

Now, let's create the subdirectory and files .html using Git bash terminal. For creating subfolder: *public*. This folder must be created inside *dev-personal-site* folder. Inside *public* folder: *css, js and img*.

Now execute

```
$ mkdir public
```

|Quick|

1. To go to ***public*** folder, type: *cd public/* on your terminal.
2. Create ***css, js and img*** folder, Execute: *mkdir css js img.*
3. To go to ***dev-personal-site*** folder to create files .html, type: *cd ../* then, use *touch* command to create file .html

Git create version file

Create a file version => *Git add <filename>*

In order to begin tracking a file version, you use the command *git add*. To begin tracking the *index.php, about.html, skils.html, portfolio.html and contact.html*. Remember, we are keeping the version of a file. Version is created whenever *commit* has been performed.

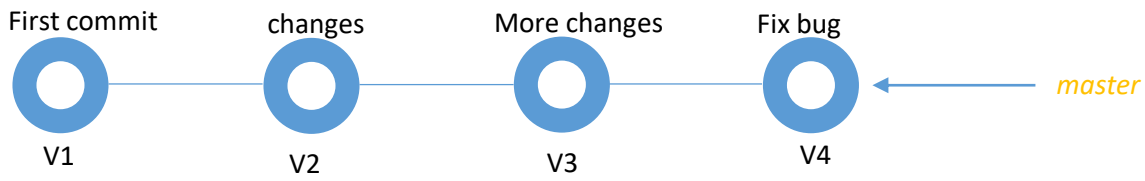
```
$ git add <filename>
```
This will add a specific file

```
$ git add .
```
This will add all

```
$ git commit -m "adding bank files .html"
```
This will commit only add files

```
$ git commit -am "adding bank files .html"
```
This will add and commit files at same time

This is our second commit on a ***master branch***. We will create other branch to work on, and ***merge*** them on ***master branch*** whenever we are happy with the results. In our personal websites, we will make branch for each file *.html* for the purpose of learning. We will do this after we have create our basic HTML5 document structure. Each commit creates a version of file.



Landing page

Let's work on the landing page. On each page, the first thing is to implement or design prototype layout. We do have apps specialized for prototype which professional use to design full – scale of the websites. But for this tutorial, the porotype is design with Microsoft PowerPoint 2016.

Prototype for landing page

Document Appropriate Skelton

First of all, we need to open our HTML editor *(Notepad++)*. When you open index.html, it will be clean white file which is to write your code. From there, we need to layout our page using the following tag.

<header> <main> <section> <a> <nav> <article> <footer> <p> <img />

All symbol should be implemented using HTML entities. E.g. *&#169*. If you are a new beginner on html, switch to ***your simple task document*** before you do the for a prototype above.

1. Document declaration : *<! DOCTYPE html>*
2. Document root : *<html>* : => *<head> <body>*
3. Document metadata : *<head>* : => *<link /> <meta /> <style> etc.*
4. Document content : *<body>* : => *<p> <main> <a> etc.*

In the *https://github.com/tshikororoda/HTML5.git*, you will find a folder *hds (HTML Document Structure)*, there is a file named *hds.index.html*. Open the file, and copy and paste everything on your *index.html* on your project and save the file.

Before we commit this file on git repository, we have to validate our mark – up language. To validate our mark-up we use w3 Mark-up validation service: *https://validator.w3.org/.* Validate *index.html* on your project, fix all the bugs, when everything is ok, create a new version of your file with the following massage, "*I have added document structure for a landing page*".

Before we code prototype layout using html tags as shown above, let's do a bit of learning. HTML tags are group in two level: Block – level elements and inline – level elements. This is very important concept in HTML.

A block-level element always starts on a new line and takes up the full width available (stretches out to the left and right as far as it can).

Content model: Generally, block-level elements may contain inline elements and *(sometimes, not always)* other block-level elements. Inherent in this structural distinction is the idea that block elements create "larger" structures than inline elements.

An inline element does not start on a new line and only takes up as much width as necessary.

Useful resources

1. *https://devdocs.io/*
2. *https://developer.mozilla.org/en-US/docs/Web/HTML*
3. *https://html.com/*
4. *https://www.tutorialspoint.com/html/index.htm*
5. *https://ascii.cl/htmlcodes.htm*

Creating a New Branch

Now, before we do actual coding for landing page, let's create a new branch to work on the landing page. As we said earlier, the whole purpose of this is to learn. We have already said we will create branch for each page and merge them with ***master branch*** whenever we are happy with the results. It's a good practise to commit file and merge branches when we have meet project requirements at each stage. So, lets create a new branch called ***homepage***. To do this we use the following command:

```
$ git branch homepage
```

This will create a new branch

```
$ git branch
```

This will show all available branch

Switching Branches

To switch to homepage branch, you run the following command.

```
$ git checkout homepage
```

This will moves HEAD to point to the homepage

Basic Branching and Merging

Now, you have switch to homepage branch. Let's go through a simple example of branching and merging with a workflow that you might use in the real world based on our personal website project. Let's follow these steps:

1. Do some work on a website master branch: = > '*You have done html5 document skeleton?* '
2. Create a branch for a new personal website you're working on: => '*You have created homepage branch*'
3. Do some work in that new created branch: => '*This what we are going to do now*'

Results on browsers <>

Rendered HTML on the browsers

D.A Tshikororo

- Home
- About
- Skills
- Portfolio
- Contact

Web programmer with Python & JavaScript

- UI/UX Design, HTML5, CSS3
- Logo Design, Adobe
- Branding Identity

Explore Portfolio | Become my employer

" Im dedicated to offer outstanding service"

- South African based but available for global markets
- Reliable developer

@ tshikororoda

CONGRADULATION, PHASE ONE IS COMPLETED