

Internet Programming
Webpage Programming & Design Assignment 01
(application of CSS, HTML, and JavaScript)

Design and Build Your Personal Portfolio as a website (10%)

Due date: 26 November 2021

Introduction

In this assignment you are to develop a personal website to introduce yourself and let your lecturer or others to know more about you as a student. Use HTML, CSS, and JavaScript to create a website with variety of **text, graphics, sound** (optional) **and animations** (moderately). The website **should** consist of *at least three pages* (students can have a maximum of ***no more than 6 pages as a whole***):

Page	Physical HTML file
Home page	index.html
Personal portfolio page	portfolio.html
Hobbies page	hobbies.html

The starting page should contain a menu with **two** options; (namely personal portfolio page and hobbies) with which the user can click on a link leading to a section of interest.

General Guidelines

The storyboard in the last page of this document depicts an initial plan / flow of the website (Fig 1, Fig 2, and Fig 3). The purpose of each of the three pages are listed as the following:

- ***index.html*** - it is the starting page of the website in which are links and general introduction for the purposes of the website.
- ***portfolio.html*** - it is the page in which a student provides some background information of himself or herself; &
- ***hobbies.html*** - it is the page in which a student discusses his/her hobbies or things he or she of great interest.

Specification

1. The starting page should have:

- ❑ **A header** with a title such as “Welcome to XYZ’s Home”.
- ❑ **A clear-cut page layout (with appropriate color)** that separates the header from the main page body.
- ❑ **Two hyper links or button** that allow user to click to bring the user to the appropriate page namely either the personal portfolio or hobbies page.
- ❑ **A nice and petty image as background.**
- ❑ Some background sounds or videos are optional - if you try to use them please be sure that *no copyrights are infringed or violated*.

2. The portfolio page should have:

- ❑ **Choose whatever topic** you are interested in and use this topic as theme of this page (e.g., fashion, pollutions, globalization, economics, health, education, your dreams, etc.) – **use your ideas and creativity.**
- ❑ **A good page layout with colors** that separates the heading from the body contents.
- ❑ **Some background color / image** (any color as you like) or you may use some pretty image for the same purpose.
- ❑ **A hyperlink or button** that allows the user to click and let him / her to send **an email to the owner’s registered email account** in the page.
- ❑ **Some external link to relevant websites** that supplement the topic in question.
- ❑ **A hyperlink or button** to let the user click to bring him / her immediate back to starting page (namely *index.html*).

3. The hobbies page should have:

- ❑ **Your ideas and creativity** - students need to design and complete this page on their own by applying their own creativity.
- ❑ **A good and relevant page layout** that fits the hobbies page and separates the heading and body contents.
- ❑ **Some background color** or you may use a pretty image as background for the page.
- ❑ **A description** – please provide the relevant contents (in text, graphic, images, sound, and animations) for the following **two mandatory** sections:
 - ❑ *My Hobbies*
 - ❑ *My Motto*
- ❑ **A hyperlink or button** to let the user click to bring him / her immediate back to starting page (namely *index.html*).

4.

Something to note**1. Using Cascading Style Sheet (CSS) and HTML**

Marking will be based on the relevant use of CSS, HTML, JavaScript. If there are dynamic effects are used, then they should match with topics. Remember to put in your creativity and imagination when making these pages.

2. Using high-level tools

Use of high-level web development tool is possible but NOT recommended for completing this project. Students are expected to build the home pages with basic editing tools such as Notepad++, etc. Students should adhere to this principle since this is a good learning opportunity for familiarizing themselves with both HTML, CSS, and JavaScript. Usually, good grades go to students sticking with this principle. Remember to make your website simple, and yet attractive and appealing is the key.

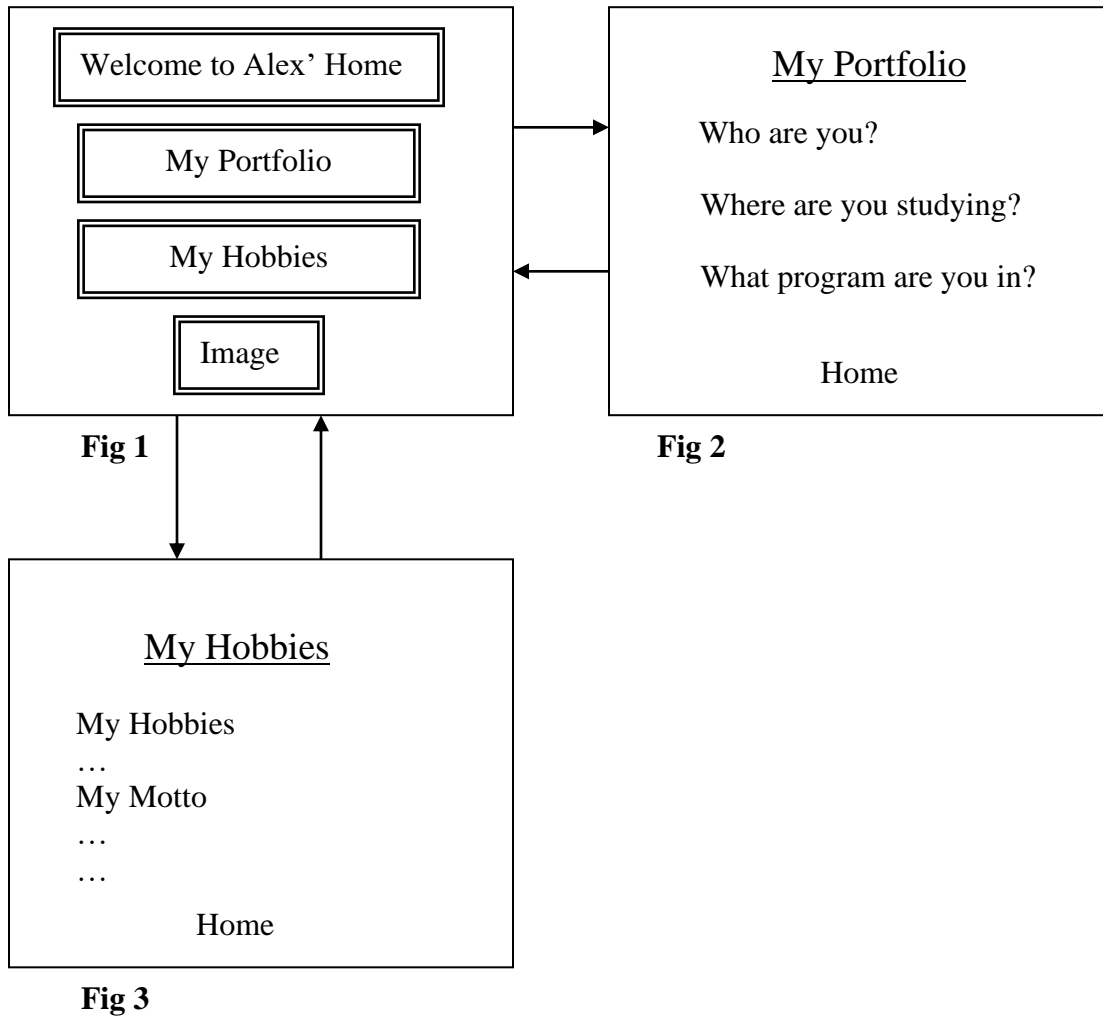
3. Using other technologies

Client-based web technologies are allowed for the creation of dynamic effects. However, only a *very small* percentage of bonus marks will be given if a student can demonstrate the appropriate use of them. The focus of the project is still mainly on the application of HTML, CSS, and JavaScript so major marking is based on these core (or arguably primitive) technologies.

4. Using frame / iframe and Adding Sounds / videos

The use of *frames* / *frameset* in this project is optional if a student needs to organize information more properly. Nevertheless, using *iframe* is preferable and highly recommended whenever needed. Adding background sounds or videos are optional even it creates some moods, but they can also be distracting if not properly controlled and used. Make sure they are not disturbances to a user who visits your web site. Thus, it is recommended that background sounds should be used sparingly, and it is suggested that some control mechanism may be required to allow user to adjust or turn on/off the sound.

Storyboard (Navigation Map)



~End~