

# Faculty of Information and Communication Technology

ITCS212 Web Programming

Project Phase I (15pt)

Assigned Date: Jan 16, 2023

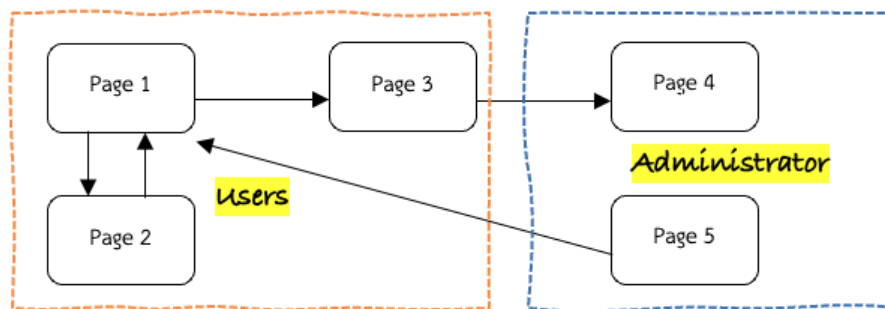
In this team project Phase I, you are about to develop a front-ended part of the web application for the selected business domain, for example, online shopping, music and entertainment, food services etc.

## Project Description

Phase I gives you an opportunity to explore and design the first draft of your web application using HTML and CSS. With the team of 4-5 students, there are two tasks to complete:

### Task 1: Navigation diagram

Draw a navigation diagram (i.e., flow or transition) between each page. This will show the overview flow of the web application. The diagram can show only the connection between pages in your system; no need to creatively design the full pages. The diagram must show the flow of the whole web application to serve your business domain and carefully segment the user part and administration part.



### Task 2: Develop your website

The draft of your Web application with **at least 5 pages as required below**. Each page should have the following details:

1. **Home Page:** Take some time to explore what a good web design and layout that inspires your team (i.e., learning from the best examples in your business domain)
  - The page **must** have a navigation bar indicating the sitemap to other pages
  - The page **must** have a link or button for accessing the Login Page

- Put some contents (e.g., texts or images) that are meaningful and related to your business domain
2. **“Login” Page for Administrators (1 page)**
    - The page should have a form consisting of input boxes and buttons for authentication
    - The page must connect to the homepage/navigation bar
    - (*Optional*) you can create a registration page for collecting user information
  3. **“Search” page for searching product/services (1 page)**
    - The page should have a form consisting of a search box and criteria for searching (e.g., search by product name, product type). The search result will be shown on the same page.  
**Note:** no need to implement a full functionally search yet; just focus on the design.
    - There must be at least 3 criteria used for searching (exclude No criteria search), for example, search by names, search by rating, search by product/service types.  
**Note:** searching and filtering are different.
    - The search result will be shown as a creative table or list on the same page. List at least 5 product/services to show as mock-up results.
    - Each product or service of the output should go to its “Detail” page (4)
  4. **“Detail” page for each product/service result (5 or more pages)**
    - The detail page shows the information regarding the selected product/service.
    - The detail page should link to the previous search result from the “Search” page (3)
  5. **“Product/Service Management” page for administrators**
    - The page provides a form to add a new product/service
    - The page should allow the administrators to modify the existing products/services
    - The page should allow the administrator to delete the specific products/services.
  6. **“User Account Management” page for administrators**
    - The page provides a form to add a new account
    - The page should allow the administrators to modify the existing user accounts
    - The page should allow the administrator to delete the specific user accounts
  7. **“About Us” page (1-5 pages)**
    - Have the information in detail about your team members
    - (*Optional*) Each member can have his/her individual page

### Additional requirements for your web application

- Every page must have access to the navigation bar (i.e., link back to your home page and other pages)
- Each page's code must be well-structured (indented) and has a reasonable number of comments.
- Each page must use semantic elements (e.g., <header> <footer> <article>)
- Each page must have either **external or internal CSS**. You are welcome to create your own CSS, apply any CSS frameworks, or the ready-made CSS style. Just to make sure you understand the code.
- The project must have readme.txt explaining how to run/start your web application. If there are extra remarks, bugs, or exceptions, please state clearly in the readme file
- The size of the whole project must not exceed 50MB. If you have lots of images, please store the images at the external cloud storage and use the url for the references.

### Instruction for Submission

1. Rename your (Task 1) navigational diagram file to `secX_grY_diagram.pdf`
2. Rename your (Task 2) source code directory to `secX_grY_src`, including all HTML, CSS and supplementary files (e.g. images)
3. Zip all files from Step 1 and Step 2 into `secX_grY_pj1_IDxxx_xxx_xxx_xxx.zip`

**Note:** the file must not exceed 50MB

4. Submit the zipped file on MyCourses by the due date:

Friday Mar 3, 2023 at 11:55 PM BKK Time (UTC+7)

(For all sections)

**Note: No late submissions will be accepted.**

### Academic Integrity

Please do your own group work. Your survival in the subsequent courses heavily depends on the programming skills that you harvest in this course. Though students are allowed and encouraged to discuss ideas with others and search for the online sources, the actual solutions must be written by themselves without being dictated or looking at others' code. Collaboration in writing solutions with other groups is not

allowed, as it would be unfair to other students. It is better to submit a broken program that is a result of your own effort than taking somebody else's work for your own credit! Students who know how to obtain the solutions are encouraged to help others by guiding them and teaching them the core material needed to complete the project, rather than giving away the solutions.

## Marking Criteria

Criteria	Level 2	Level 1	Level 0
1. Navigation diagram	Submit the <b>complete and correct</b> diagram	Submit a partially complete or incorrect diagram	<b>No</b> diagram is submitted
2. Navigation diagram – User/Admin	The diagram clearly segments users and admin parts	The diagram does not clearly segment users or admin parts	<b>No</b> diagram is submitted
3. Homepage	A page has <b>all</b> required details	A page has <b>some</b> required details	<b>No</b> page is implemented
4. Login page	A page has <b>all</b> required details	A page has <b>some</b> required details	<b>No</b> page is implemented
5. Search page	A page has <b>all</b> required details	A page has <b>some</b> required details	<b>No</b> page is implemented
6. Detail page	A page has <b>all</b> required details	A page has <b>some</b> required details	<b>No</b> page is implemented
7. Product/Service Management page	A page has <b>all</b> required details	A page has <b>some</b> required details	<b>No</b> page is implemented
8. User Management page	A page has <b>all</b> required details	A page has <b>some</b> required details	<b>No</b> page is implemented
9. About-us page	A page has <b>all</b> required details	A page has <b>some</b> required details	<b>No</b> page is implemented

Criteria	Level 2	Level 1	Level 0
10. Semantic elements	The semantic elements are applied to <b>all pages</b>	The semantic elements are applied to <b>some pages</b>	<b>No semantic element</b> is applied at any pages.
11. Navigation bar	Have a navigation bar for every page and all pages are linked	Have a navigation bar for every page or all pages are partially linked	<b>No a navigation bar</b> is implemented
12. CSS	<b>All pages</b> are applied the external or internal CSS correctly	<b>Some</b> pages are applied the external or internal CSS correctly	<b>No page</b> is applied the external or internal CSS (i.e. only use HTML or in-line CSS)
13. readme.txt	The steps for running the project are well-written and the project can be run smoothly	Incomplete or missing steps in the readme file	<b>No readme file or No instruction</b>
14. Submission	<b>All</b> submitted files are in the <b>correct format and named</b>	<b>One</b> of the submitted files is in the <b>correct format and named</b>	<b>No</b> submitted files are in the correct <b>format and named</b>
15. Source code and comments	<b>All pages</b> are appropriately <b>indented</b> and <b>commented</b>	<b>Some</b> pages are appropriately <b>indented</b> and <b>commented</b>	<b>No page</b> is <b>indented</b> and <b>commented</b>

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