

## AAC1193 Web Design and Development Assignment

|                                   |   |        |      |        |      |              |             |
|-----------------------------------|---|--------|------|--------|------|--------------|-------------|
| <b>Aim</b>                        | <ol style="list-style-type: none"> <li>1. To test students' knowledge of how to use Web development tools and techniques to incorporate markup language, cascading style sheets (CSS) and JavaScript to develop a Web site.</li> <li>2. To test students' ability to prepare a proposal for creating of a Web site.</li> </ol>  |        |      |        |      |              |             |
| <b>Learning Outcomes Assessed</b> | <ol style="list-style-type: none"> <li>1. Demonstrate the Website development using web development tool, HTML5, Cascading Style Sheets (CSS) and JavaScript.</li> <li>2. Manage the development of a Web site.</li> </ol>  |        |      |        |      |              |             |
| <b>Assignment Tasks</b>           | <p>Students are needed to develop a Web site for a profit making organization of their choice. Students need to choose a suitable organization and obtain approval from their respective tutor before they start. Students are required to complete the following 2 tasks:</p> <p>Part A: Proposal for designing a Web site which includes the planning involved.</p> <p>Part B: Implementing the Web site which includes the construction of a graphically interesting and user-friendly Web site using HTML5, CSS and JavaScript.</p> |        |      |        |      |              |             |
| <b>Grouping</b>                   | <p>This is a group-based assignment (3 or 4 persons per group).</p> <p>Class representative is required to tabulate and submit the group members list to the respective tutor before week 2.</p> <p>Students are not allowed to change group without the permission of the respective tutor.</p>  |        |      |        |      |              |             |
| <b>Submission Deadlines</b>       | <p><b>Part I – first class of week 3</b></p> <p><b>Part II – first class of week 7</b></p> <p>Late submission will be penalized based on the Late Submission Policy by TAR UC. Refer to Form C (ii) for the details of marks deduction.</p>   |        |      |        |      |              |             |
| <b>Marking Scheme</b>             | <p>The allocation of marks is given below:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Part A</td><td>10 %</td></tr> <tr> <td>Part B</td><td>30 %</td></tr> <tr> <td><b>Total</b></td><td><b>40 %</b></td></tr> </table>  | Part A | 10 % | Part B | 30 % | <b>Total</b> | <b>40 %</b> |
| Part A                            | 10 %  |        |      |        |      |              |             |
| Part B                            | 30 %  |        |      |        |      |              |             |
| <b>Total</b>                      | <b>40 %</b>   |        |      |        |      |              |             |

**Part A: Proposal (Phases of Planning & Designing Web)**

**Submission deadline: first class of week 3, before 4pm**

**The task should include the following:**

- A cover page with selected title, names of group members, tutorial group, tutor's name and submission date.
- Chapter 1: Planning
  - Description of the organization
  - Justifications/ reasons for developing the Web site
  - Web site objectives
  - Potential users of the Web site
  - Information the users need and want
  - Proposed deliverable of the final Web site (need to include all the activities and duration involved)
- Chapter 2: Web Analysis
  - Functions or modules which will be included in the Web site (Minimum number of functions or modules should be six for groups with three members and eight for groups with four members.)
  - Example: Functions or Modules of Florist Website
    - Home Page  
Is the first page of the website. This page will show a multimedia introduction with all type of product (flower, bouquet, gift, etc) available at the florist. This multimedia introduction will last for 30 seconds.....
    - About Us
    - Flowers & Gifts
    - Membership
    - Add to Cart
  - Organization of the Web site
- Chapter 3: Web Design
  - Sketch (draw by hand) all the Web pages proposed based on the functions or modules that you have mentioned in chapter 2.
  - For each Web page layout,
    - ✓  
User-interface design that you have drafted must be elaborated. Elaborations will be on the justification of the Web page. For example justification on the Web page background colour, pictures, form size, font type and etc.
    - ✓  
Each student has to elaborate at least two designs.  
(\*\* Examples of Web page layout are available in Appendix 1.)

**Note:** Each student needs to sketch at least four Web pages.

For example: A group of 4 members has 16 - 20 pages.

A group of 3 members has 12 - 15 pages.

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- References:
  - List of references, resources that have been used such as books, research papers, magazines, online materials and other related materials must be listed out.
- Appendix:
  - Provide all the supporting documents (brochure, registration form and other supporting materials) used in order to help in designing the web page.

### Part 2: Phases of implementing Web

**Submission deadline: Part II – first class of week 7, before 4pm**

Based on the design drafted in Part A, develop a Web site that fulfills the requirements below:

#### Requirements:

|                               |   |
|-------------------------------|---|
| Screen Resolution and Browser | Design your Website so that it is best running on 800x600 resolution and 16 bit color monitor. The default Web browser should be Google Chrome.   |
| Project Description           | Your Website must include the following elements: <ul style="list-style-type: none"><li>• All media elements (text, graphic, audio, video and animation)</li><li>• Hypertext and hypermedia</li><li>• List (ordered/unordered/definition list)</li><li>• Formatting (Alignment, Paragraph, Font, etc)</li><li>• Hotspot / image map</li><li>• Table</li><li>• Form</li><li>• Must use CSS for all of the GUI design (use External Style Sheet for common formatting)</li><li>• JavaScript</li></ul> |
| Number of Webpage             | The maximum number of Webpage is not fixed. It should depend on the number of functions (modules) available in the Website.<br><br><b>Note:</b> Each student is required to develop at least four Web pages.<br>For example: A group of 4 members will create 16 - 20 pages.<br>A group of 3 members will create 12 - 15 pages.   |
| Tools                         | You are free to use any software tools (Expression Web, Macromedia Dreamweaver or others) to create your Website.   |

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|  |  |
|--|--|
|  | However, you are strongly advised to use Expression Web. Please be reminded that the dirty code produced by these software tools may decrease the understandability and maintainability of your Web pages. |
|--|--|

**Note:** Students are required to work in the same group as in Part A.

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If respective tutor detects the majority of Web pages are not students' original work then the group of student will be penalized. Punishment may include:

- i) Failing the students for the assignment **or**
- ii) Re-submission of another piece of work **or**
- iii) Downgrading the group assignment to the maximum passing grade even though the actual grade achieved is higher.

### **Format for Deliverables**

For all your reports, you are required to adhere to the following:

1. Paper size : A4
2. Paragraph format : 1.5 lines / double
3. Font size : 12 points
4. Use only one side of paper.
5. Use the Assignment submission form as the cover page.

For the submission of the program, you should hand-in only an electronic copy of your Website that is stored on CD-ROM. The media should be labeled properly and should not contain malicious application.

### **Resources**

You are free to download/make use of any resources (in form of text, graphics, audio, video, animation, etc) from the Internet and printed materials (such as books and magazines). However, the design should be implemented at your efforts. Please be reminded that you should not use the developed Website without considering the copyright issue at first. Any resources that are used in your assignment should be acknowledged in the reference section of your report.

### **Student Ethics**

Any cheating, attempt to cheat, plagiarism, collusion and any other attempts to gain an unfair advantage in assessment will cause the students concerned to be penalized.

### **Plagiarism Policy**

Refer to the TAR UC Plagiarism Policy.



**TARU**  
TUNKU ABDUL RAHMAN  
UNIVERSITY COLLEGE

**Tunku Abdul Rahman University College** Faculty of  
Computing and Information Technology (FOCS) Academic  
Year 2018/2019, Semester 3

**AACS1193**  
**Web Design and Development**

**[TITLE]**

Programme : Diploma in Science (Computer Science & Computer Mathematics)

Tutorial Group : Group 5

Lecturer / Tutor : Mr. Teh Boon Chuan

Date of Submission : 18/3/2019

**Team Members:**

| No. | Student Name   | Student ID | Module(s) | Signature |
|-----|----------------|------------|-----------|-----------|
| 1.  | Chee Bao Qi    |            |           |           |
| 2.  | Hiew Long Shun |            |           |           |
| 3.  | Lin Hui Fen    |            |           |           |
| 4.  | Tai Sin Yen    |            |           |           |

### Plagiarism Statement Form

Semester : 3

Academic Year : 2018/19

Course Code & Title : AACS1193 Web Design and Development

#### Declaration

We confirm that we have read and shall comply with all the terms and condition of Tunku Abdul Rahman University College's plagiarism policy.

We declare that this assignment is free from all forms of plagiarism and for all intents and purposes is my/our own properly derived work.

We further confirm that the same work, where appropriate, has been verified by anti-plagiarism software Turnitin.

|    | Name (Block Capitals) | Student ID | Signature |
|----|-----------------------|------------|-----------|
| 1. | CHEE BAO QI           |            |           |
| 2. | HIEW LONG SHUN        | 18WMD06275 |           |
| 3. | LIN HUI FEN           |            |           |
| 4. | TAI SIN YEN           |            |           |

Tutorial Group : \_\_\_\_\_

Date : \_\_\_\_\_

**\*\*Note: Each group should attach the completed plagiarism statement form to Part A report.**

## APPENDIX 1

### EXAMPLE 1: Web page layout

Notes: This example is strictly for your reference only. You should not use this example as your assignment task.

#### Homepage

As shown in Figure 1.1 below, the main page consists of company name, company logo, email address, business hour, and some words to attract customers to continue to browse the Website. The font size of the company name is big as it can make the customer remember the company. Using different background color emphasizes the links of view product and login, so that the customers can notice them easily. The design of the layout is simple and not too much of text so that the customers won't be distracted.

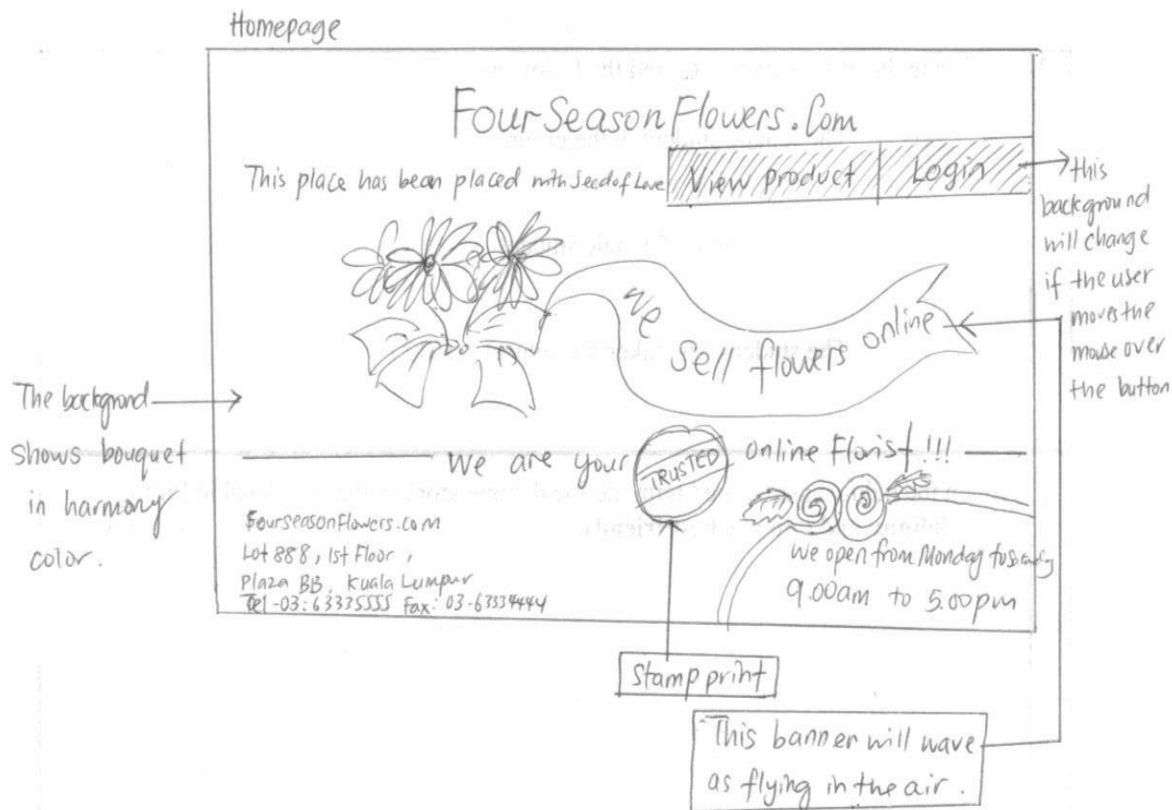


Figure 1.1



## EXAMPLE 2: Web page layout

### Main Page

Referring to Figure 1, a logo to represent the "Lyrics" website is created to attract more users. Besides that, the entire website has been restructured and a new layout is made. The links were placed at the left hand corner of the page to make it easier for the users to find the hypertext links that direct them to the page they wanted easily. Hypertext links of artists' initials from A to Z and # were placed above a search toolbar too with the purpose of helping the users to go to their desired page faster. A simplified privacy statement is placed at the bottom of the page as it is obvious that users normally don't read the privacy policy.

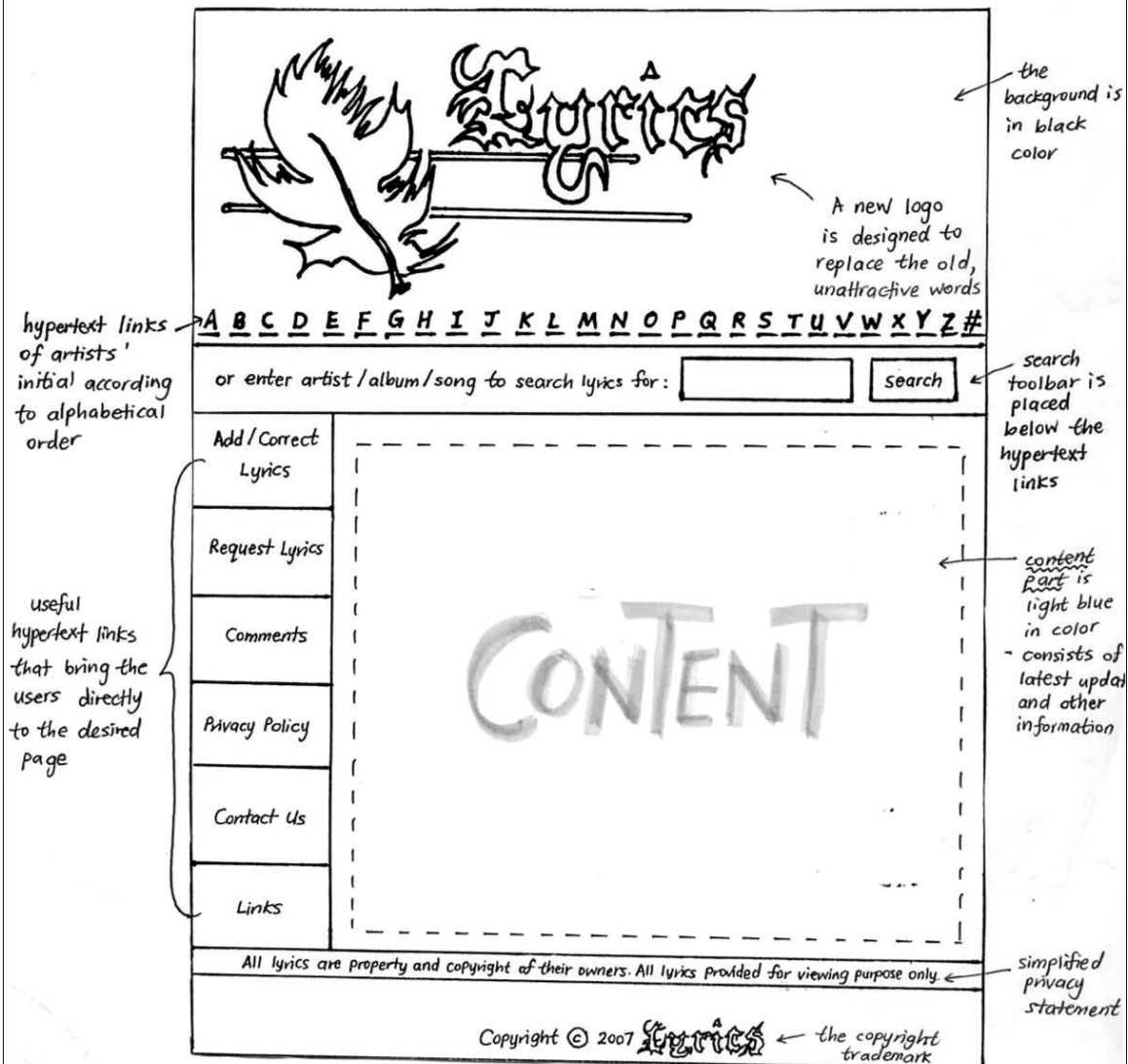


Figure 1