##### AACS1483 Web Design and Development

**Assignment**

|  |  |
| --- | --- |
| **Programme : Diploma in Computer Science** | |
| **Tutorial Class : Group 1** | |
| **Website Title : NASI** | |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **No.** | **Student Name** | **Student ID** | **Module In Charge**  **(HTML , Javascript, CSS document)** | **Signature** | **Part 1**  **(30%)** | **Part 2**  **(70%)** | **Total**  **(100%)** | | **1** | **Low See Li** |  |  |  |  |  |  | | **2** | **Chea Hong Jun** | **23WMD09807** |  |  |  |  |  | | **3** | **Ung Ren Jun** |  |  |  |  |  |  | | **4** | **Leong Kai Bing** | **23WMD01925** |  |  |  |  |  | | **5** | **Ng Yu Heng** | **23WMD01669** |  |  |  |  |  | | |
| **Lecturer: Tan Lai Kien** | **Practical Tutor : Lim Kah Lok** |
| **Date of Submission:** | |

**Assignment: Use web development tool, HTML, Cascading Style Sheets (CSS) and JavaScript to create a website for conducting the business online and fulfilling the customer needs.**

**Assessment Rubrics – Assignment Part 1 (30 marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Proposal -**Criteria** | **Marks** | **Excellent** | **Good** | **Average** | **Poor** | **Score** |
| **CLO 3: Develop websites to cater for different types of products or services in the business world. (A2, PLO7)** | | | | | | |
| Planning   * Description of the organization * Website objectives * Potential users * Information the users need * Proposed deliverable | 15 | Excellently define all the required information.  (12 –15) | Correctly define most of the required information.  (9 – 11) | Correctly define some of the information. The rest are either incorrect or missing.  (6 – 8) | Most of the information is missing, incomplete or incorrect.  (0 – 5) |  |
| Web Analysis   * Functions or modules | 15 | Excellently define all the required information.  (12 –15) | Correctly define most of the required information.  (9– 11) | Correctly define some of the information. The rest are either incorrect or missing.  (6 – 8) | Most of the information is missing, incomplete or incorrect.  (0 –5) | |  |  | | --- | --- | | Name | Mark | | 1. |  | | 2. |  | | 3. |  | | 4. |  | | 5. |  | |  |  | |
| **Total (30 marks)**  Comments (if any):  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |  |  | | --- | --- | | Name | Mark | | 1. |  | | 2. |  | | 3. |  | | 4. |  | | 5. |  | |  |  | |

**Assessment Rubrics – Assignment Part 2 (70 marks)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Criteria** | **Marks** | **Excellent** | **Good** | **Average** | **Poor** | | **Score** | |
| **CLO 2: Demonstrate the web development using web development tool, Cascading Style Sheets (CSS) and JavaScript. (P4, PLO3)** | | | | | | | | |
| **Functionality & Complexity of the Website Module using the following elements:**   * Media elements (text, graphic, audio, video and animation) * Hypertext and hypermedia * List * Formatting * Hotspot / image map * Table * Form * CSS for all of the GUI design (use External Style Sheet effectively) * JavaScript | **40** | Excellently completed more than 80% of the required functionalities correctly using all the listed elements. High level of complex algorithms and programming skills.  (32 – 40) | Completed more than 60% of the required functionalities correctly using most of the listed elements. Average level of complex algorithms and programming skills.  (21 – 31) | Averagely completed more than 40% of the required functionalities with some minor errors. Only used some of the listed elements.  Low level of complex algorithms and programming skills.  (11– 20) | Not able to complete most of the required functionalities correctly. Only used few of the listed elements.  Poor level of complex algorithms and programming skills.  (0 –10) | |  | |
| **Creativity in Modules’ Function & Interface Design** | **10** | Excellent creativity in module function and interface design.  (9 – 10) | Good creativity in module function and interface design.  (7 –8) | Average creativity in module function and interface design.  (5 – 6) | Poor creativity in module function and interface design.  (0 – 4) | | |  |  | | --- | --- | | Name | Mark | | 1. |  | | 2. |  | | 3. |  | | 4. |  | | 5. |  | | |
| **User Interface Features** | **20** | Excellent design consistency and interface usability, visual effect and interactivity.  (16-20) | Good design consistency and interface usability, visual effect and interactivity.  (11-15) | Average design consistency and interface usability, visual effect and interactivity.  (6-10) | Poor design consistency and interface usability, visual effect and interactivity.  (0 – 5) | | |  |  | | --- | --- | | Name | Mark | | 1. |  | | 2. |  | | 3. |  | | 4. |  | | 5. |  | | |
| **Total (70 marks)**  Comments (if any):  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | |  |  | | --- | --- | | Name | **Total** Mark | | 1. |  | | 2. |  | | 3. |  | | 4. |  | | 5. |  | | |

**Plagiarism Statement**

The university college views cases of plagiarism or collusion by students very seriously. Any students who intentionally plagiarize or collude in any part of their assignments/projects or written work threatens the values of academic work and undermines the credibility and integrity of the University College’s awards. Plagiarism or collusion discovered at any stage of the student’s course of study will be dealt with appropriately by the School. Such offender shall appear before a panel of enquiry at the School and appropriate punishment will be meted out. Punishment may include failing the student for the assignment or project, re-submission of another piece of work or downgrading the work to the maximum of a pass grade even if the actual grade achieved was higher.

**What constitutes “Plagiarism” and “Collusion”?**

Plagiarism according to the Oxford Advanced Learner’s Dictionary of Current English means “take and use somebody else’s ideas, words, etc. as if they were one’s own.”

**Plagiarism** can take the form of reproduction without acknowledgement from published or unpublished works of others including materials downloaded from computer files on the Interne.

Student’s work submitted for assessment is accepted on understanding that it is the students’ own effort without falsification of any kind. Acknowledgement to the source must be made if students had replied on any sources for information with appropriate reference being made in their work.

**Collusion** can be deemed to be a form of plagiarism involving the unauthorized co-operation between two or more people with deceptive intention.

Collusion can take the form of two or more students producing a piece of work together but one intentionally passing it off as his work with the knowledge of the others. Student may have submitted the work of another as his own with consent from that other student. In such cases, both parties are guilty of collusion.

**Obligations of students**

Students are required to sign a declaration that the work submitted such as coursework assignment, essays and projects, etc. is their own work and that they have not in any way knowingly allowed another student to copy it. It will be assumed that all submitted work is that of the students’ own work.

Students are expected to familiarize themselves with or make use of method(s) of citing other people’s work in accordance with acceptable referencing

**AACS1483 Web Design and Development**

**Plagiarism Statement Form**

**We confirm that the submitted works are all our own work and are in our own words.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Name (Block Capitals)** |  | **Student ID** |  | **Signature** |
| **1.** | **Leong Kai Bing** |  | **23WMD01925** |  |  |
| **2.** | **Ng Yu Heng** |  | **23WMD01669** |  |  |
| **3.** | **Chea Hong Jun** |  | **23WMD09807** |  |  |
| **4.** |  |  |  |  |  |
| **5.** |  |  |  |  |  |

|  |  |
| --- | --- |
| **Tutorial Group :** | Group 1 |
| **Date :** |  |

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# PART 1 - CHAPTER 1

## Description of the organization

- Min 1 Page

- Can explain company history, who is/are founder(s), what industry, products / services provided, targeted customers, business mode (Eg. Physical / online), company size(Eg. Number of employee, revenue, any branches/physical shop and etc), company structure diagram, company mission and vision

**NASI is a space company that focuses on both space exploration and educating the masses on all things that’s out of this world, literally.**

**The founders are a five-person group that aspire to create a conducive and easy-to-get-into learning environment on astronomy for all levels of education, while tapping into the unknowns of the outer space as well.**

**The word, NASI, means rice in the Malay language. One day while we were having lunch, one of us remarked that the rice grains looked exactly like the shining stars in the sky. That’s when we had an epiphany to name a space company after something that we see and eat every day, like how we see the stars every day.**

**We offer quality resources to astronomy and researches. The company has a total of 5 employees, all of which are the original founders. We are a non-profit organization, and the company solely relies on our contribution. It’s kept something like a hobby project.**

## Website objectives

- Min 0.5 Page

- Eg. Customer Engagement and Support, Communication and Information Sharing, Market Expansion and Global Reach, Competitive Advantage, Analytics and Data Insights, Social Proof and Trust Building

## Potential users of the website

- Min 0.5 Page

- Who are the targeted user (Can create table for this to explain)

|  |  |
| --- | --- |
| Potential Users | Explanation |
| Students | We have plentiful of resources that caters to all levels of education. Students can find and pick a topic that they find interesting and suitable for their level. |
| Teachers | The same case as the students, giving them additional resources to refine their lessons. |
| Astronomy geeks | We gather up-to-date news on recent events and compile them into a place that is easy to browse through. |

## Information the users need and want

- Min 0.5 Page

- What are the necessary information need to show in your website for user (Eg. Product/services details with image, product / company policy (Exchange, return or refund), company achievement, company announcement and etc)

## Proposed Deliverable of the Final Website

- Min 1 Page

- Explain your project timetable for each stages, with diagram and explanation

- Can describe how you solve problems for certain stages

# PART 1 - CHAPTER 2

- Explain the function / features of modules, can insert table to explain

- Each member in charge two modules and 3 web page (min)

|  |  |  |  |
| --- | --- | --- | --- |
| **Module/Function** | **Sub Module/ Web Page** | **Description** | **PIC** |
| **Home** | **Home Page** |  | **Chea Hong Jun** |
| **About Us** | **About Us**  **History**  **Our Vision** |  | **Chea Hong Jun** |
| **Contact Us** | **Contact Us**  **Find Us** |  | **Ng Yu Heng** |
| **Learning Corner (Big Module)** | **Bite-sized topics for**   * **Primary level** * **Secondary** * **Tertiary** |  | **Ng Yu Heng**  **Leong Kai Bing**  **Ung Ren Jun** |
| **Planetary Model** | **Solar System Model**  **Planet Details** |  | **Leong Kai Bing** |
| **News** | **Recent News** |  | **Chea Hong Jun**  **Ung Ren Jun** |
| **Forum (Big Module)** | **Login**  **Posts** |  | **Chea Hong Jun**  **Ng Yu Heng** |
| **Additional resources (Big Module)** | **Recommendation for**   * **Reputable sites** * **Iconic people** * **Research papers**   **in the field of astronomy** |  | **Ung Ren Jun** |
| **Loading screen** |  |  | **Leong Kai Bing** |
|  |  |  |  |
|  |  |  |  |

# PART 2

- Develop your webpage, 1 member at least 3 webpages

- set your resolution as 1024 x 768, using Google chrome - body {max-width:1024px ;max-height: 768px;}

- MUST include all the following elements:

All media elements (text, graphic, audio, video and animation)

Hypertext and hypermedia

List (ordered/unordered/definition list)

Formatting (Alignment, Paragraph, Font, etc)

Hotspot / image map

Table

Form

!! Must use CSS for all of the GUI design (use External Style Sheet for common formatting)

!! JavaScript

- Screenshot your webpage (special features), make it like user guide, teach me how to use your website