AS3 - **Assignment** Create an interactive & responsive website

This assignment contributes **45%** of the overall marks for the module WD2201 Basic Web Programming. For this assignment, students will be working in a group of **minimum 2** students and **maximum of 3** students. You may discuss the general viewpoints of the assignment with the other groups but working collaboratively with different groups to finish the task is not permitted and will result in failing the assessment.

In this assignment, you are expected to:

1. Conduct independent research on responsive and interactive website
2. Learn and incorporate other web technologies such as Document Object Modal (DOM), JavaScript and newer HTML5 features like drag-and-drop and local storage.
3. Work collaboratively with group members to plan, design and develop e-Invitation cards
4. Utilize and explore *GitHub* to publish and host a website

Requirements:
1. **There must be THREE categories: corporate, formal and informal**
2. **Previews of sample cards for each category should be available and the pages for these must be responsive**
3. **For each category, there should be TWO different basic templates.**
4. **Users should be able to customize the templates for examples entering recipient names, typing contents and changing background colors to name a few.**
5. **Users should be able to preview their cards prior to sending to the recipient**
6. **A dedicated section on the website to allow users to create their own cards by selecting from pre-defined list of items**
7. **A list of pre-defined greetings that can be selected and inserted into the card**
8. **An option to save and retrieve text content of cards that are marked 'favorite'**
9. **Part of the customization must also include drag-and-drop feature**

Item #7-8 requires student to use HTML5 local storage feature.

On the day of submission, students must submit all required deliverables via module portal. Additional instruction will be given at the LMS. Since this is a group work assignment, only one student from each group required to submit.

Weightage
45%

Due date
3rd May 2021, 4:00pm

Deliverables:
1. Website files and folders
2. Hosting details including websites URLs in PDF format

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Resource
- Students' own research
- Main textbook.

Equipment/Software
Students are required to use their own personal computer and other necessary software to carry out the task (if applicable)

ASSIGNMENT RULES

1. Plagiarism, collusion, ghost writing are serious academic offences. Any group caught in academic dishonesty will be penalized heavily. **For severe cases, grade 'F' (Fail) will be awarded, and ZERO mark will be recorded for the first attempt.**

2. If any of your group members have problems in completing the assignment due to illness or medical conditions, REPORT to the facilitator immediately. Last minute notification will not be entertained unless a medical report is presented which is issued and endorsed by government health centres.

3. Should your groups have problematic members such as **contributing minimally** or **not contributing at all**, gather all the evidence and report to the module lecturer without delay.
   a. **Non-contributing** students will be penalized heavily. **ZERO** mark will be recorded, and the offender will be asked to complete the assignment **individually** as a **second attempt**
   b. For the case of minimal contribution, the affected groups will be asked to fill in the Marks Distribution Sheet (MDS). The MDS form can be found in the appendix section. The lecturer will impose marks deduction accordingly to the offender and his/her marks will be allocated to the other members in the group.

4. In the event your group is unable to complete the assignment or submit partially completed assignment, the following actions will be taken:

   a. For **significantly incomplete** assignment or **non-submission**, you will be automatically awarded with grade 'F' (Fail). Your group will be asked to complete the assignment however as a **second attempt**. Marks will be capped at 50%.

   b. For submission of **partially completed** assignment, marks will be awarded as per work submitted. Should marks fall below the passing grade, you will be referred to case 4a above.

5. It is everyone responsibility to check the Learning Management System (LMS) regularly for any new updates or announcement. Do not simply rely on your friends to get updates.

6. Rules may be updated from time to time. Any updates will be posted on the LMS.

WEBSITE HOSTING

It is **compulsory** for students to use GitHub for web hosting. A heavy penalty will be imposed for using other third-party web hosting.

By using GitHub pages, you can upload your static website to GitHub either using Git CLI or directly committing using the GitHub web interface. This solution assumes you know how to use Git. If this is your first time in creating a GitHub account, **it is highly recommended to use your PB email address to sign up** and choose a suitable username as this in the future would be your future programming portfolio.

For a video tutorial on Git and GitHub for beginners: https://youtu.be/uIa9CejUcQM

PENALTIES

Penalty	Percentage deduction from overall marks
Using non-GitHub for web hosting	30%
Incorrect hosting URLS	10%
Corrupted files	Up to 20%

GRADING CRITERIA

Table below is the guideline on how this assignment will be graded.

Criteria	Marks (100%)	Guide to score full marks
Technical	35	• Best programming practices that support easy future maintenance & modification • Websites are fully functional and error free • Ability to integrate other web related technologies
interactive & animated	35	• E-Cards are intuitive, interactive and captivating • Content is lively and animated • High level of customization
Creativity & aesthetics	30	• Ideas are fresh, interesting and in-trend • Design inspirations from others are referenced properly • Designs matches themes • Aesthetically pleasing

SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY

WD2201 – BASIC WEB PROGRAMMING

MARKS DISTRIBUTION SHEET

Group code		Group #	

This sheet is used to document an agreement between all project team members for an uneven contribution to the deliverables listed below.

No	Members Name	Student ID	Signature	Date
1				
2				
3				
4				

Deliverables, Functions and Features covered by this arrangement.

Student No as table above	1	2	3	4
Deliverables, Functions and Features	**Contribution (%)** **(must add up to 100%)**			

The form is adapted from the Final Year Project MDS*

- END OF MARKS DISTRIBUTION SHEET   -

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