Project

Deadline: Wednesday 15/12/2021 @ 23:59

**[Total Mark for this Assignment is 10]**

***Web Technologies***

***IT230***

Students Details: CRN: ###

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| --- | --- | --- |
|  |  |  |
| **Name:** ###  **Name:** ### **Name:** ### |  | **ID:** ###  **ID:** ###  **ID:** ### |
|  |  |  |

**Instructions:**

* You must submit two separate copies **(one Word file and one PDF file)** using the Assignment Template on Blackboard via the allocated folder. These files **must not be in compressed format**.
* It is your responsibility to check and make sure that you have uploaded both the correct files.
* Zero mark will be given if you try to bypass the SafeAssign (e.g. misspell words, remove spaces between words, hide characters, use different character sets or languages other than English or any kind of manipulation).
* Email submission will not be accepted.
* You are advised to make your work clear and well-presented. This includes filling your information on the cover page.
* You must use this template, failing which will result in zero mark.
* You MUST show all your work, and text must not be converted into an image, unless specified otherwise by the question.
* Late submission will result in ZERO mark.
* The work should be your own, copying from students or other resources will result in ZERO mark.
* Use **Times New Roman** font for all your answers.

# Project

***10 Marks***

*Learning Outcome(s):*

*2. Create web pages using HTML5 and CSS3.*

*3. Develop dynamic web pages using JavaScript.*

*6. Build web applications using PHP and MySQL.*

In this project, you need to build a website based on an idea you will choose. You can work on it individually or as a group of a maximum of 3 members.

The website must cover all aspects of the course (HTML, CSS, JavaScript, PHP, DB).

|  |  |  |
| --- | --- | --- |
| HTML | HTML Web elements (header, footer, list, table, form …) | 3 |
| Navigation (Links are clear and located in the same area on each page. All links are functional) |
| **CSS** | Design (using CSS) Website demonstrates design principles: with consistent alignment, proximity, repetition, and contrast… | 2 |
| **JavaScript** | Form validation | 1 |
| **SQL + PHP** | Create and populate a database in MySQL (1-2 tables). | 4 |
| Select records from MySQL database using PHP |
| Insert records into MySQL database using PHP |
| Update records into MySQL database using PHP |
| **Total** | | **10** |

**Important Notes:**

* The number of Web pages within the website must be **at least 3.**
* The number of dynamic Web pages (using JavaScript) must be **at least 2.**
* The Website must connect to a database **(1 Select + 1 Insert+1 Update queries)**
* For form validation, there must be, at least, one popup message that appears after the submit button has been clicked. The message must contain a list of all validation errorson the Web page.
* The project needs to be **submitted in BB** (as an assignment) by **ONE** of the group members. The submission link will be created by your instructor.
* Your project must be **original work**. The project will be checked using a **plagiarism tool**. Any matching with an **online project** or **another**/**previous student project** will be given **ZERO**.

**Each student/group has to prepare**

1. **IT230\_Project.docx:**
   1. The student must use the same file (IT230\_Project.docx) to prepare group answers.
   2. For each part of the project (HTML, CSS, JS and PHP + DB), the student must copy and paste his/her code and add a screenshot of the output with a brief explication of each functionality of the web application.
   3. Prepare a PDF version of this file.
2. **Project.zip:** contains all the files of the project (HTML, CSS, JS, PHP, SQL, images).

**Student will upload:**

1. IT230\_Project.docx
2. IT230\_Project.pdf
3. Project.zip

# HTML

***3 Marks***

*Learning Outcome(s):*

*2. Create web pages using HTML5 and CSS3.*

# CSS

***2 Marks***

*Learning Outcome(s):*

*2. Create web pages using HTML5 and CSS3.*

# JavaScript

***1 Marks***

*Learning Outcome(s):*

*3. Develop dynamic web pages using JavaScript.*

# PHP + SQL

***4 Marks***

*Learning Outcome(s):*

*6. Build web applications using PHP and MySQL.*