1st Sit Coursework Question Paper: **Autumn Semester 2024**

Module Code:	**CC4057NT**
Module Title:	**Introduction to Information Systems**
Module Leader:	**Mr. Binaya Koirala / Mr. Hrishav Tandukar** (Islington College)

Coursework Type:	Group coursework
Coursework Weight:	This coursework accounts for *60%* of the overall module grades.
Submission Date:	**First Milestone: Sunday, 19 January 2025** **Final Deadline: Sunday, 2 February 2025**
Coursework given out:	**Week 08**
Submission Instructions:	Submit the following to the Itahari International College's MST Portal before the due date: ● A report (document) in .pdf format in the MST portal or through any medium which the module leader specifies. ● ZIP files containing the source code of the website
Warning:	London Metropolitan University and Itahari International College takes plagiarism very seriously. Offenders will be dealt with sternly.

PLAGIARISM

You are reminded that there exist regulations concerning plagiarism. Extracts from these regulations are printed overleaf. Please sign below to say that you have read and understand these extracts:

Extracts from University *Regulations on Cheating, Plagiarism and Collusion*

Section 2.3:   *"The following broad types of offence can be identified and are provided as indicative examples ….*

(i)   Cheating: including taking unauthorised material into an examination; consulting unauthorised material outside the examination hall during the examination; obtaining an unseen examination paper in advance of the examination; copying from another examinee; using an unauthorised calculator during the examination or storing unauthorised material in the memory of a programmable calculator which is taken into the examination; copying coursework.

(ii)   Falsifying data in experimental results.

(iii)   Personation, where a substitute takes an examination or test on behalf of the candidate. Both candidate and substitute may be guilty of an offence under these Regulations.

(iv)   Bribery or attempted bribery of a person thought to have some influence on the candidate's assessment.

(v)   Collusion to present joint work as the work solely of one individual.

(vi)   Plagiarism, where the work or ideas of another are presented as the candidate's own.

(vii)   Other conduct calculated to secure an advantage on assessment.

(viii) Assisting in any of the above.

Some notes on what this means for students:

1.   Copying another student's work is an offence, whether from a copy on paper or from a computer file, and in whatever form the intellectual property being copied takes, including text, mathematical notation, and computer programs.

2.   Taking extracts from published sources *without attribution* is an offence. To quote ideas, sometimes using extracts, is generally to be encouraged. Quoting ideas is achieved by stating an author's argument and attributing it, perhaps by quoting, immediately in the text, his or her name and year of publication, e.g. "$e = mc^2$ (Einstein 1905)". A *reference* section at the end of your work should then list all such references in alphabetical order of authors' surnames. (There are variations on this referencing system which your tutors may prefer you to use.) If you wish to quote a paragraph or so from published work then indent the quotation on both left and right margins, using an italic font where practicable, and introduce the quotation with an attribution.

School of Computing, FLSC

Contract cheating

Contract cheating (also known as assessment outsourcing, commissioning or ghost writing) is when someone seeks out another party, or AI generator service, to produce work or buy an essay or assignment, either already written or specifically written for them or the assignment to submit as their own piece of work.

Contract cheating undermines the integrity of the academic process and devalues the qualifications awarded by the university. Students are reminded that academic integrity is a fundamental principle of our institution. Engaging in contract cheating not only impacts the individual's academic record but also the reputation of the university.

Students are encouraged to seek support if they are struggling with their coursework. The university offers a range of resources, including academic counseling, tutoring services, and workshops on study skills and time management. Utilizing these resources can help students achieve their academic goals without resorting to dishonest practices.

Penalty:

- Failure in the Module: The student must re-register for the same module, and the re-registered module will be capped at a bare pass.
- Ineligibility to Continue on the Course: Where re-registration of the same module, or a suitable alternative, is not permissible, the student will not be able to continue on the course. Additionally, the following penalty will be applied to the student's final award:

  - Undergraduate Honors: The student's final classification will be reduced by one level.
  - Unclassified Bachelors: Downgraded to Diploma in Higher Education.
  - Foundation Degree: Distinction downgraded to Merit; Merit downgraded to Pass; Pass downgraded to Certificate in Higher Education.
  - Masters: Distinction downgraded to Merit; Merit downgraded to Pass; Pass downgraded to Postgraduate Diploma.

Reporting and Consequences:

Instances of contract cheating will be thoroughly investigated, and students found guilty will face the penalties outlined above. It is the responsibility of every student to ensure that their work is their own and to avoid situations that could lead to accusations of academic misconduct.

By adhering to these standards, students contribute to a fair and equitable academic environment, ensuring the value and recognition of their qualifications are maintained.

For this coursework, students are required to design and develop an e-commerce website for a store specializing in various types of watches. The project aims to showcase the students' understanding and proficiency in fundamental Internet technologies, website design principles, scripting languages, and usability considerations.

1. Understanding of Basic Internet Technologies and Impacts:

- Discuss the transformative impact of the Internet on commerce, particularly in the watch industry.

- Explore how online shopping has changed consumer behavior and business strategies.

2. Competency in Designing a Website:

- Design an e-commerce platform using HTML5, CSS3, and JavaScript to create a user-friendly and visually appealing interface.

- Ensure proper use of HTML tags (e.g., <title>, <meta>, <img>, <div>, <form>) and tag nesting for semantic structure.

3. Applying Scripting Languages:

- Utilize JavaScript for interactive features such as form validation, dynamic content updates, and enhanced user experience.

- Demonstrate proficiency in scripting to handle client-side functionality effectively.

4. Website Structure and Navigation:

- Develop a coherent structure with a navigation bar allowing seamless access to key sections (e.g., Home, Blog, Product Page, Research, About Us).

- Implement intuitive navigation principles for easy user interaction and information retrieval.

5. Website Design Considerations:

- Address usability and accessibility concerns by ensuring consistent design elements and clear navigation pathways.

- Justify the use of internal, inline, and external CSS stylesheets to maintain a unified design approach and facilitate future maintenance.

- Students are required to create an e-commerce website for a store that specializes in various types of watches with at least 5 web pages. The requirements of the different web pages have been mentioned below.
- **Home Page:**

  - Introduce the store and highlight featured watch collections.

  - Provide an overview of different sections and navigation options.

- **Blog Page:**

  - Explore the impact of technology on the watch industry and consumer trends.

  - Discuss relevant topics that integrate technological advancements with watch design and sales.

- **Product Page:**

  - Display a variety of watches with details such as name, price (discounted and original), detailed descriptions, and specifications.

  - Include high-quality images and options for customer reviews or ratings.

- **Research Section:**

  - Analyze and contrast the website's components with at least 5 references from other e-commerce platforms.

  - Highlight unique features and functionalities that enhance user engagement and shopping experience.

- **About Us Section:**

  - Present comprehensive portfolios of team members involved in the website's development.

  - Include individual profiles with technical skills, educational backgrounds, certifications, and relevant experiences.

- **Functional Form:**

  - Incorporate functional forms for user interaction, such as contact forms or subscription forms for newsletters.

  - Ensure forms are validated using JavaScript to maintain data integrity and enhance user satisfaction.

- **Technical Specifications:**

- **Technologies Used:**

- o HTML5 for semantic markup and structure.

- o CSS3 for styling and layout, including internal, inline, and external stylesheets.

- o JavaScript for client-side scripting, form validation, and dynamic content manipulation.

- **File and Folder Structure:**

  - o Maintain a well-organized directory with proper naming conventions for HTML, CSS, JavaScript, and image files.

  - o Include comments in each file to explain its purpose, structure, and dependencies.

- **Code Structure:**

  - o Ensure all HTML documents adhere to basic standards with correct element usage and logical division.

  - o Structure CSS and JavaScript files logically, with comments preceding major sections to enhance readability and maintainability.

The guidelines for the **Documentation** part are given below:

- Components should include a cover page, table of contents, figures and tables, and footer.
- The report must have an **Introduction** section introducing the different aspects of the project. The goals and objectives of the project should be included as well.
- The report should present the design, specifications, and implementation of the website. The wireframes and screenshots of the website should also be included.
- The report must have a **Testing** section; with suitable testing type and test cases. (minimum 5 test cases required)
- Also, the report must include a **Conclusion** section where they need to reflect on the work done.

NOTE: The technicality of the website will be judged during the presentation/VIVA of the website and marked accordingly. If the student is not able to justify his/her coursework, then the coursework will be subject to further inquiry.

Marking Breakdown for Coursework	
Criteria	**Total Marks**
01. Introduction	*5*
02. Wireframes	*5*
03. Development	
3.1 HTML	
Should include tags such as table, div, meta, image, form, etc.	*5*
Should use attributes, comments, and well-structured code	*5*
3.2 CSS	
Should use internal CSS	*3*
Should use inline CSS	*3*
Should use external CSS	*3*
Should use comments	*1*
3.3 JavaScript	
Should show creativity and use comments	*2*
Should use at least 1 function	*3*
Should use a least 1 pop up feature	*2*
Should dynamically change the content in the site	*3*
04. Content/Design of website	
Should show the impact of technology in blog section	*2*
Should include Products Page	*4*
About Us	*5*
Overall design	*4*
Should have at least 1 working form	*5*
Research section	*5*
05. Testing	*5*
06. Conclusion	*5*
07. Report Structure and Formatting	*5*
08. Presentation	*20*
Total:	**100**

MileStone 1 (Sunday, 19 January 2025):

- **Introduction**
    - Introduction to Project
    - Aims and Objective
    - Tools Used
    - Verdict (Conclude the Introduction and move to the next section.)
- **Wireframe**
    - Number of wireframes and the number of unique web pages should be the same. If some web pages have the same design then a single wireframe for both is enough.
    - Comparison and explanation of layout and design. Both wireframe and web page. The web page design should be loaded in the web browser.

- **Development**
  - **HTML**
    - The **\<div\>, \<meta\>, \<table\>, \<img\> and \<form\> tag** compulsorily should be used in websites.
    - The web page should be kept in **proper folder structure.**
    - **Comment** should be used in the html files.
    - There should be atleast **5 web pages (Home, Product, Blog, Research, About Us)**. The content of each page should be according to the description in the coursework.
  - **CSS**
    - **External CSS:** One css file should be created that contains the overall basic design and layout of the website.
    - **Internal CSS:** Internal CSS should be used in each web page according to the need.
    - **Inline CSS:** Inline CSS should be used in each web page according to the need.
    - **Comment** should be used in the css file.
- **Conclusion**
    - Write about what you used?
    - What did you learn?
    - What problems have you faced?
    - How did you solve the problem?
    - Give your opinion about how the project could be better?
- **Report Format**
    - The font should be Arial. Font size should be 12 for normal font.
    - The paragraph should be justify.
    - The line spacing should be 1.5.
    - Heading and subheadings should be used according to the need. The heading font size should be 14 and subheading should be 12.
    - References and citations should be used appropriately.
    - Appendix should be added after references containing all content of html and css files.