**INTI International College Penang School of Computing**

**3+0 Bachelor of Science (Hons) in Computer Science, in collaboration with Coventry University, UK 3+0 Bachelor of Science (Hons) in Computing, in collaboration with Coventry University, UK**

# Coursework cover sheet

**Section A - To be completed by the student.**

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| Full Name: JAYASHREE A/P ELUMALAI | |
| CU Student ID Number: 14196184 | |
| Semester:1 | |
| Session:  **April 2023** | |
| Lecturer:  **Puteri Nursyawati Azzuri (puteri.azzuri@newinti.edu.my)** | |
| Module Code and Title:  **4067CEM Software Design** | |
| Assignment No. / Title:  **Continuous Assessment** | % of Module Mark:  **50** |
| Hand out Date:  **12 May 2023** | Due Date:  **Task 5: 7 July 2023, by 11.59pm.** |
| Penalties: No late work will be accepted. If you are unable to submit coursework on time due  to extenuating circumstances, you may be eligible for an extension. Please consult the lecturer. | |
| Declaration: I/we the undersigned confirm that I/we have read and agree to abide by the University regulations on plagiarism and cheating and Faculty coursework policies and procedures. I/we confirm that this piece of work is my/our own. I/we consent to the appropriate storage of our work for plagiarism checking.    Signature(s): | |

# Section B - To be completed by the module leader

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| Intended learning outcomes assessed by this work:   1. Understand and apply appropriate concepts, tools, and techniques to each stage of the software development. 2. Understand and apply design patterns to software components in developing new software. 3. Demonstrate an understanding of project planning and working to agreed deadlines, along with professional, interpersonal skills and effective communication required for software production.   5. Demonstrate an awareness of, and ability to apply, social, professional, legal, and ethical standards as documented in relevant laws and professional codes of conduct such as that of  the Malaysian National Computer Confederation. | | |
| Marking scheme | Max | Mark |
| 1. User Story Mapping | 20 |  |
| 2. Setting up a GitHub |  |
| Repository | 10 |
| 3. Creating a Class diagram and |  |
| design pattern selection | 30 |
| 4. Creating a Prototype User |  |
| Interface and Usability Testing | 20 |
| 5. Discuss the ethical issue |  |
| related to the software | 20 |
| Total | 100 |  |

Privacy and concerns, intellectual property rights and effects on society are among the ethical problems that could be related to the clothing software system.

These are some ethical issues that may rise in the privacy concerns area

1. Data Security and Privacy:

Making sure that client data such as personal data, payment information and order history is managed securely and protected against unauthorised access or data breaches.

1. Data minimization: Gathering and preserving only the minimum amount of data about a customer while avoiding storing any extraneous or pointless information
2. Consent and Transparency:

Obtaining users' complete authorization and consent before processing their data. The information about the gathering and processing of the data must be conveyed clearly to users so that they can fully comprehend it. There should always be transparency of data in privacy policies and terms of service.

1. Transparent Pricing and Policies:

To avoid misleading or deceptive practices, provide clear and correct information about product prices, discounts, shipping costs and return policies including the warranties.

These are ethical issues that can arise from the intellectual property rights

1. Branding and Trademarks:

Avoiding misrepresentation or misuse of branding components, trademarks or logos related to clothing brands, as well as making sure true credit is given and trademark regulations are followed.

1. Preventing the selling of fake or counterfeit goods is important as they can mislead consumers and damage a company's reputation.
2. Product photographs and Descriptions:

Obtaining the required permits for utilising product images and descriptions in order to respect the intellectual property rights of clothing brands or designers and avoid the unauthorised use of copyrighted materials.

These are some of the ethical issues under the effects of society.

1. Body Image and Diversity:

Being aware of how body images are portrayed in the system and advocating for inclusivity, diversity, and body-positivity representation to prevent the upkeep of detrimental beauty standards or prejudiced practices.

1. Promoting sustainable and ethical practises in the business, such as the use of eco-friendly materials and encouraging responsible sourcing. This takes into account the environmental and social implications of clothing manufacture.
2. Fair Labour Practises:

Ensuring that clothes manufacturers and vendors follow ethical labour standards which include paying employees fairly, providing them with secure work environments and not abusing their labour.