**INTI International College Penang School of Engineering and Technology**

**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**

|  |  |
| --- | --- |
| Full Name: TEH GER MIN | |
| CU Student ID Number: 12672763 | |
| Semester: 3 | |
| Session:  **April 2022** | |
| Lecturer:  **Nadhrah Abdul Hadi (nadhrah.abdulhadi@newinti.edu.my)** | |
| Module Code and Title:  **4067CEM Software Design** | |
| Assignment No. / Title:  **Continuous Assessment** | % of Module Mark:  **50** |
| Hand out Date:  **22nd April 2022** | Due Date:  **Task 1: 13 May 2022, 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 appropriate storage of our work for plagiarism checking.  Signature(s): TEH | |

**Section B - To be completed by the module leader**

|  |  |  |
| --- | --- | --- |
| 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 2. Setting up a GitHub Repository 3. Creating a Class diagram and design pattern selection 4. Creating a Prototype User Interface and Usability Testing 5. Discuss the ethical issue related to the software | 20  10  30  20  20 |  |
| Total | 100 |  |

**Task 1 - User Story Mapping**

**Vision**

* To design a club management system with the purpose of INTI Penang college can manage the club effectively and efficiently
* To create a club management system as INTI Penang do not have this such system
* To implement a club management system to provide club president, committees, members, and lecturers to organize, run and supervise the club activities
* To increase the number of students to join club and discover more talent through this system college club
* To improve the achievements of college's club and the college reputation when discover more talent

**User Story Mapping**

There is the user story mapping for this club management system below.

Table

Description automatically generated with medium confidence

**Figure 1: User Story Mapping**

Calendar

Description automatically generated

**Figure 2: Continuous of the User Story Mapping**

**Table

Description automatically generated**

**Figure 3: Continuous of the User Story Mapping**

Calendar

Description automatically generated

**Figure 4: Continuous of the User Story Mapping**

Calendar

Description automatically generated with low confidence

**Figure 5: Continuous of the User Story Mapping**

**Survey Form Result**

In this task, I had created a Google survey form to collect the data that helps me to start up ideas of a club management system. This survey form has 4 questions and 17 respondents who answered the survey questions. There are the survey results below.

**Question 1**Chart, pie chart

Description automatically generated

**Figure 6: Survey Result – Question 1**

**Question 2**

Chart, pie chart

Description automatically generated

**Figure 7: Survey Result – Question 2**

**Question 3**

Chart, bar chart

Description automatically generated

**Figure 8: Survey Result – Question 3**

**Question 4**

What additional features you think that is important to add inside the system?

* Ability to register to join the club
* Member retention
* Admin can share the excellent work that done by members in bulletin board
* Enrolment system
* Function for students to join the club
* View event details and enrol into events
* Send notification to participants who joined the event
* Rating for the event or activity
* Send the reminder for the participants one day before the events or activities
* Reminder
* Chat room