

**STUDENT INDUSTRIAL INTERNSHIP PROGRAMME LOGBOOK**

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**Programme: Information Technology (IT)**

**Place of Training: Murdoch University, Australia**

**Period of Training: 7 months**

**Project Title: Nueromender Project**

**SIP LOGBOOK REPORT**

**LOG BOOK WEEK NO: 9-10**

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| **WEEK NO** | **DATE** | **BRIEF DESCRIPTION OF DAILY ACTIVITIES** |
| **9** | **28/10/2019** | * **Fixing database access from other PC** |
| **29/10/2019** | * **Finalizing documentation for Unity Project** |
| **30/10/2019** | * **Changing layout for Database front interface** |
| **31/10/2019** | * **Fixing sudden error in database** |
| **1/11/2019** | * **fix keyboard in layout** |
| **10** | **4/11/2019** | * **Attending presentation of Murdoch University projects** |
| **5/11/2019** | * **Gathering material for SIP project Report** |
| **6/11/2019** | * **finalizing modules and interfaces of project** |
| **7/11/2019** | * **Attach UI to avatar in Virtual Reality environment** |
| **8/11/2019** | * **Updating database of Neuromender Project** |

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| Logbook Weekly Evaluation by HOST COMPANY SUPERVISOR | | | | | |
| I**nstruction to Host Company Supervisor**  Please refer to the student’s to assess his/her performance.  Please award the scores based on the range below: | | | | | |
| **Student’s Score** | **Beginning**  **(<2.0)** | **Developing**  **(2.0 to <3.25)** | **Accomplished**  **(Rare)**  **(3.25 to <4.0)** | **Exemplary**  **(Exceptionally Rare)**  **(4.0 to 5.0)** | **Score** |
| Initiative & Creativity | Had little observable drive and did not have new ideas | Some observable drive and some new ideas | Mostly self-starter and sometimes sought new challenges and offered new ideas | Always a self-starter and consistently sought new challenge and offered new creative ideas | **/5** |
| Task Accomplishment & Commitment | Partially accomplished given task despite full supervision | Accomplished given task but with full supervision | Accomplished given task but with some supervision | Accomplished given task with very minimum supervision | **/5** |
| Attendance & Punctuality | Frequently absent and always late | Sometimes absent and sometimes late | Never absent and almost always on time | Never absent and always on time | **/5** |
| Attitude & Self Control | Unable to demonstrate positive attitude and hardly maintained self-control under pressure | Occasionally demonstrated positive attitude and occasionally maintained self-control under pressure | Sometimes demonstrated positive attitude and maintained self-control under pressure | Consistently demonstrated positive attitude and consistently maintained self-control under pressure | **/5** |
| Total Score | | | | | **/20** |
| **Comments:** | | | | | |
| **Host Company Supervisor’s Signature & stamp:** | | | | | |
| **Name & Designation:** | | | | | |
| **Date:** | | | | | |

*(make copies if necessary)*

**DETAIL REPORT WEEK NO: 9**

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| **Objective(s) of the activities :**   * **Fixing database access from other PC** |
| **Contents:** Before, database was enabled to be connected from other PC because error displaying username displayed cannot connect to Maria DB. Now, database can be accessed from other PC, problems detected was:   1. Solution given was to give privilege to other user to access certain database, however, the user was not created in the other PC, and therefore user was not actually created. So, in order to have the access :  * The other PC that wanted to access the database should create a user database account, then login into myphpadmin database page using username and password created. * After login, main server that initiates the database should grant privilege to the other PC with username created with IP address of the particular computer. The syntax for granting privelege is :   *GRANT ALL PRIVILEGE ON database\_name.table\_name TO ‘username’@’IP address’;*  *FLUSH PRIVILEGE;*   * after granting privilege, computer granted with access to database need to change server name and username in $con syntax   Challenges that I was facing along the way was:   * One computer in the lab cannot connect to database even after granting privilege to access database. Problem detected was the computer does not establish any connection with host computer. Therefore, we need to setup firewall to enable other PC to test connection. After fixing firewall, the all computer now able to connect and have access to database. |
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**DETAIL REPORT WEEK NO: 9**

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| **Objective(s) of the activities :**   * **Finalizing documentation for Unity Project** |
| **Contents :**  Since database and all other modules are in finishing status, documentation will be completed to show guide and possible problem-solution from project. The documents will provide:   * 1. How to setup Self-Hosted server   2. How to setup Photon Unity Networking 2 (PUN2)   3. How to setup and possible problem-solution for Database   4. guideline for Module 1: Grabbing Cube Scene   5. guideline for Module 2: Snapping Scene   Documentation will be passed to next developer that will deal with the project afterward. |
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**DETAIL REPORT WEEK NO: 9**

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| **Objective(s) of the activities :**   * **Changing layout for Database front interface** |
| **Contents :**  Since database can be accessed by other computer through granting privilege, the original interface was not set into VR environment therefore it should be changed into VR environment. There are 3 interfaces need to be changed; register, login and main menu database interface.  The layouts for mentioned interfaces were easy to change since there are few arrangements need to be done. My teammate has fixed the layout, but now we would like to have the keyboard appear only if the input field is clicked. We still try to figure out how to let the keyboard appear. |
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**DETAIL REPORT WEEK NO: 9**

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| **Objective(s) of the activities :**   * **Fixing sudden error in database** |
| **Contents :**  As mentioned before, database now can successfully access by other PC, however after a sudden current shock, database suddenly cannot be accessed by other PC. While trying to access, other PC disabled to access database or ping my computer using my IP address. Possible problem detected are :   * firewall of host database could not get connected to other PC because no connection was establish * When database in phpmyadmin page was opened, an error as shown in figured below was displayed.   After restarting Xampp and Apache, database still cannot be accessed by other PC. At first, the error displayed in other PC was cause by following statement:  "This error is NOT password related. Password related errors display a response from MySQL server. The subject response is NOT coming from MySQL server, but from the client itself. It could not connect to the server because the MACHINE (not the server) refused it, so, it was more likely to be a network issue or some other thing." And, suggested solution for the problem are:   * check the port you are connecting to and which port is MySQL running * Check for firewalls blocking connections   I tried to ping to other PC, I can ping other PC but not otherwise. Finally, problem figured out by checking the database host computer IP address; it changed to other IP address maybe because the host PC was connected to Wi-Fi instead of WLAN, therefore it is not static. And, the database can be accessed again by other PC after changing the local host address. |
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**DETAIL REPORT WEEK NO: 9**

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| **Objective(s) of the activities :**   * **fix keyboard in layout** |
| **Contents :**  As seen in the figure below, I tried to make keyboard disappear when user first enter the scene. The idea is to make the keyboard appear only when user click on the input field. The keyboard was successfully made disappeared when user first entered the room, but after clicking the input field, keyboard does not appear.    Figure 27 Login Interface  Challenges that I was facing along the way was:   * The code to make the keyboard appear in the canvas was uncalled therefore the keyboard does not appear. As for now, we just stick to original arrangement which is to make the keyboard always display in the screen. |
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**DETAIL REPORT WEEK NO: 10**

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| **Objective(s) of the activities :**   * **Attending presentation of Murdoch University projects** * **Gathering material for SIP project Report** * **finalizing modules and interfaces of project** * **Attach UI to avatar in Virtual Reality environment** * **Updating database of Neuromender Project** |
| **Contents :**   |  |  | | --- | --- | | Dates / Ojectives | Content | | **04/11/2019**   * Attending presentation of Murdoch University projects | * Presentation happens in one day and consists of Murdoch University degree and master students * There are various are of IT area presented on the day such as Internet of Thing (IoT), virtual learning modules, and management system. | | **05/11/2019**   * Gathering material for SIP project Report | * Material such as images of interfaces and modules were screen shot to be included in the report * The report has been started two weeks ago, therefore the material for the report need to be collected | | **06/11/2019**   * finalizing modules and interfaces of project | * There are few things in the project that needs to be fixed such as enable button room to be clicked in VR environment, object jitters in module, fixing object snapping for multiplayer * Documentation of project also in progress where it includes guidance related to project * The improvisation to the project is still in progress as we divide task within the team members | | **07/11/2019**   * Attach UI to avatar in Virtual Reality environment | * We tried to attach player nickname on avatar in multiplayer environment. One of our teammate manages to include the player's nickname on avatar, but the nickname can only be seen in single environment. The name disappear when other player enter the same room. * I manage to get a tutorial that show how to attach UI element, however the UI element was attached to main camera instead of camera rig and it is built in single user environment, therefore the setting is different from out project * we still try to get the name displayed in multiplayer environment | | **08/11/2019**   * Updating database of Neuromender Project | * Since the project needs to run a testing in terms of registering and login users, therefore database need to be updated because there are a lot of junks user registered as we run the project and input user information | |
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