



STUDENT TRAINING SCHEME
FACULTY OF COMPUTER SCIENCE AND INFORMATION
TECHNOLOGY

LOG BOOK

STUDENT NAME

ANWAR BIN BEDUAN

PROGRAMME

Software Engineering

TRAINING LOCATION

Taiyo Yuden Sarawak Sdn Bhd
Kuching
93350, SARAWAK

WEEK :

1

| DATE / TIME | ACTIVITY |
|-------------|--|
| 04/09/2023 | Assigned to Factory 4 Department in the Software Engineering Section & a brief explanation of the job description. |
| 05/09/2023 | Given the Internship schedule to follow and monitor during the internship period. |
| 06/09/2023 | The three Tasks for developing the company system include maintaining the system standard and developing new system functions. |
| 07/09/2023 | Exploring the current system to understand its strengths and weaknesses before making any necessary changes. |
| 08/09/2023 | Exploring the current system to understand its strengths and weaknesses before making any necessary changes. |
| 09/09/2023 | Weekend |
| 10/09/2023 | Weekend |

Name and Signature of Supervisor

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WEEK :

2

| DATE / TIME | ACTIVITY |
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| 11/09/2023 | Orientation week along with new employees. Company background & etc. |
| 12/09/2023 | Orientation week along with new employees. Company rules & etc. |
| 13/09/2023 | Orientation week along with new employees. Company Benefits & etc. |
| 14/09/2023 | Orientation week along with new employees. Company Product & etc. |
| 15/09/2023 | Process tour to all process with a brief explanation of each process. |
| 16/09/2023 | Weekend |
| 17/09/2023 | Weekend |

Name and Signature of Supervisor

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WEEK :

3

| DATE / TIME | ACTIVITY |
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| 18/09/2023 | Process tour last day with new employees.(only brief explanation of each process) |
| 19/09/2023 | Process tour with specific details on the front process which is Insatsu Process. This process tour is for the user requirement of the system. Been given the details of the process flow. |
| 20/09/2023 | Process tour with specific details on the Seikei Process process. Been given the details needed to develop their new system. |
| 21/09/2023 | Process tour with specific details on the Water Barrel Inspection process of the front process. Gathering the user requirements and monitoring the current existing system they used. |
| 22/09/2023 | 5s activity. Implementing the front end of the system. Standardize the system interface with the new interface for every process. |
| 23/09/2023 | Weekend |
| 24/09/2023 | Weekend |

Name and Signature of Supervisor

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WEEK :

4

| DATE / TIME | ACTIVITY |
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| 25/09/2023 | System development and implementation. designing the front end for the new system Understanding the function needed for the new system |
| 26/09/2023 | Register page development. Front end development standardize with new design interfaces |
| 27/09/2023 | Register page development. Implementing add function Introducing an automatic data population feature. Record Page development System front end design. Establish uniformity across new design interfaces. |
| 28/09/2023 | Public Holiday |
| 29/09/2023 | Record Page development Ensuring data presentation on the frontend interface. Applying date range filtering using 'start' and 'end' dates. Integrating a search filter and retrieving data based on search queries. |
| 30/09/2023 | Weekend |
| 01/10/2023 | Weekend |

Name and Signature of Supervisor

Date

WEEK :

| DATE / TIME | ACTIVITY |
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| 02/10/2023 | Creating a view-only masterlist page in front-end development involves designing a user-friendly interface to access and display comprehensive information without allowing data manipulation. This includes an intuitive layout with tables, filters, and navigation controls for optimal user experience. Emphasis on scalability and performance, using HTML, CSS, and JavaScript aims to deliver a visually appealing page meeting specific audience requirements. |
| 03/10/2023 | Incorporating a search filter involves implementing functionality to query and filter data retrieved from the database. |
| 04/10/2023 | Retrieving data from the database entails fetching information stored in a structured data repository. |
| 05/10/2023 | The creation of an Admin Login Page involves developing an authentication interface for administrative users to securely access and manage system functionalities. |
| 06/10/2023 | Conducting testing procedures for the search filter functionality. Executing tests to validate the search filter's operational capabilities. Verifying the functionality of the search filter through rigorous testing measures. |
| 07/10/2023 | weekend |
| 08/10/2023 | weekend |

Name and Signature of Supervisor

Date

WEEK :

6

| DATE / TIME | ACTIVITY |
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| 09/10/2023 | Engaging in front-end development for an administrative masterlist page. |
| 10/10/2023 | Designing the front-end interface for an administrative record page. |
| 11/10/2023 | Integrating crucial backend functionalities into both the administrative masterlist and record pages. |
| 12/10/2023 | Implementing an update function within the masterlist and record pages specifically designed for administrative users. |
| 13/10/2023 | Thoroughly conducting functionality checks for both the administrative masterlist and record pages. |
| 14/10/2023 | weekend |
| 15/10/2023 | weekend |

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WEEK :

| DATE / TIME | ACTIVITY |
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| 16/10/2023 | Incorporating advanced functionality to seamlessly facilitate the addition of new records within the administrative masterlist page. |
| 17/10/2023 | Systematically refining and optimizing the update function within the administrative site for enhanced efficiency and user experience. |
| 18/10/2023 | Integrating a sophisticated search data filter mechanism into both the admin masterlist and record pages to empower users with robust data retrieval capabilities. |
| 19/10/2023 | Managing the retrieval of data in the administrative masterlist and record pages, ensuring seamless access to comprehensive information. |
| 20/10/2023 | Conducting thorough and meticulous functionality tests to validate and ensure the optimal performance of the developed pages in diverse usage scenarios. |
| 21/10/2023 | Weekend |
| 22/10/2023 | Weekend |

Name and Signature of Supervisor

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WEEK :

| DATE / TIME | ACTIVITY |
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| 23/10/2023 | Establishing a matching system on a tablet interface to validate the correspondence between the actual item and the registered data, focusing on front-end development. |
| 24/10/2023 | Applying the backend functionality to rigorously verify the equality of input data against the corresponding records in the database, ensuring data accuracy. |
| 25/10/2023 | Creating a second page dedicated to the matching system, emphasizing front-end design principles for an intuitive user interface |
| 26/10/2023 | Effectively implementing data retrieval mechanisms on the second page, optimizing the process of fetching relevant information from the database. |
| 27/10/2023 | Working with JavaScript to proficiently handle error notifications, enhancing the user experience through real-time feedback on potential discrepancies or issues during the matching process. |
| 28/10/2023 | Weekend |
| 29/10/2023 | Weekend |

Name and Signature of Supervisor

Date

WEEK : 9

| DATE / TIME | ACTIVITY |
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| 30/10/2023 | Conducting a system assessment by the supervisor to evaluate the ongoing progress, encompassing JavaScript and PHP components, as well as addressing issues identified in the slide presentation that require rectification. |
| 31/10/2023 | Conducting bug resolution tasks on the search functionality within the administrative masterlist, addressing and rectifying any identified issues to ensure optimal performance and user experience. |
| 01/11/2023 | Engaging in bug fixing activities related to the update function on both the admin record page and masterlist page, implementing necessary corrections to enhance the overall functionality and usability. |
| 02/11/2023 | Integrating a novel filter on the admin side specifically designed for updating passwords, thereby expanding the administrative capabilities and fortifying security measures within the system. |
| 03/11/2023 | Strengthening the password update filter in the admin page's backend to optimize security measures and empower administrators to modify their login credentials. This includes implementing advanced backend functionalities, ensuring a seamless and secure password updating process in line with industry standards and best practices for authentication and access control. |
| 04/11/2023 | Weekend |
| 05/11/2023 | Weekend |

Name and Signature of Supervisor

Date

WEEK : 10

| DATE / TIME | ACTIVITY |
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| 06/11/2023 | Integrating a filter on the staff ID to correlate with registered staff members, necessitates the development of JavaScript functionality specifically tailored for the staff ID matching filter. |
| 07/11/2023 | Actively engaging in JavaScript programming to meticulously craft the logic and operations required for the seamless functioning of the staff ID matching filter within the system. |
| 08/11/2023 | Conducting bug resolution activities on the second page of the matching system, addressing issues related to unsuccessful data retrieval, ensuring the proper functioning of the data retrieval mechanism. |
| 09/11/2023 | Implementing bug fixes within the matching system to rectify the failure of error notifications to appear, thereby enhancing the system's responsiveness in providing real-time feedback. |
| 10/11/2023 | Undertaking the preparation of presentation slides, with a focus on refining the flow diagram to ensure clarity and coherence in communicating the intricacies of the system's architecture and functionality. |
| 11/11/2023 | Weekend |
| 12/11/2023 | Weekend |

Name and Signature of Supervisor

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WEEK : 11

| DATE / TIME | ACTIVITY |
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| 13/11/2023 | Advancing the Water Barrel System Project as the meeting for the Insatsu Matching System is temporarily on hold. |
| 14/11/2023 | Engaging in the front-end development for both the record and register pages, focusing on creating an intuitive and visually appealing user interface. |
| 15/11/2023 | Implementing JavaScript functionalities for front-end development, particularly emphasizing a flexible container design to enhance the adaptability of the user interface across various devices and screen sizes. |
| 16/11/2023 | Acquiring proficiency in the SQL functions of the existing water barrel system, undertaking a comprehensive learning process to understand and integrate these functions effectively into the ongoing project. |
| 17/11/2023 | Continuing the learning process of the existing water barrel system's SQL functions to gain a deeper understanding of its database operations and optimize their integration into the development workflow. |
| 18/11/2023 | Weekend |
| 19/11/2023 | Weekend |

Name and Signature of Supervisor

Date

WEEK : 12

| DATE / TIME | ACTIVITY |
|-------------|---|
| 20/11/2023 | Conducting a comprehensive system evaluation supervised to assess progress, with a focus on rectifying issues in JavaScript, PHP, and the slide presentation that have been identified as requiring attention and refinement. |
| 21/11/2023 | Incorporating a new functionality into the Insatsu system for the administrative interface, as specifically requested by the supervisor, to enhance the system's capabilities based on user feedback and requirements. |
| 22/11/2023 | Engaging in the learning process of SQL with a particular emphasis on conditions and data retrieval techniques to bolster proficiency in database operations. |
| 23/11/2023 | Exploring SQL functions to effectively distinguish between two distinct types of administrators within the system, namely process owners and leaders, as part of an ongoing effort to refine and tailor administrative roles. |
| 24/11/2023 | Successfully identifying and implementing the correct SQL conditionals, including if-else statements, to differentiate between the two types of administrators, thus achieving a successful outcome in enhancing the system's administrative functionalities. |
| 25/11/2023 | Weekend |
| 26/11/2023 | Weekend |

Name and Signature of Supervisor

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WEEK :

| DATE / TIME | ACTIVITY |
|-------------|--|
| 27/11/2023 | Pausing the progress on the Insatsu system and shifting focus to advance the Water Barrel System. |
| 28/11/2023 | Engaging in the acquisition of CSS design skills to enhance proficiency in styling and layout presentation. |
| 29/11/2023 | Iteratively refining and modifying the CSS design, incorporating adjustments to specific elements for improved aesthetic appeal and user experience. |
| 30/11/2023 | Continuing the ongoing efforts in the revision of CSS elements, ensuring a meticulous and thorough approach to design enhancement. |
| 01/12/2023 | Implementing updates to the new system's design by eliminating unnecessary elements, refining the visual presentation, and aligning the user interface with the project's requirements and objectives. |
| 02/12/2023 | Weekend |
| 03/12/2023 | Weekend |

Name and Signature of Supervisor

Date

WEEK : 14

| DATE / TIME | ACTIVITY |
|-------------|--|
| 04/12/2023 | Incorporating a novel form input feature into the water barrel inspection system to enhance data collection capabilities. |
| 05/12/2023 | Fine-tuning the Cascading Style Sheets (CSS) of the user interface on the data registration page to optimize the visual aesthetics and user experience. |
| 06/12/2023 | Conducting preparations for a slide presentation, focusing on the insatsu matching system, encompassing system checks, bug evaluations, and related aspects. |
| 07/12/2023 | Engaging in meticulous groundwork for an upcoming presentation on the insatsu matching system, including comprehensive system checks, bug assessments, and strategies for system enhancement. |
| 08/12/2023 | Scheduled a dedicated meeting day to discuss various facets of the insatsu matching system, focusing on system improvements, bug resolutions, and collaborative efforts for optimizing overall system performance. |
| 09/12/2023 | weekend |
| 10/12/2023 | weekend |

Name and Signature of Supervisor

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WEEK :

| DATE / TIME | ACTIVITY |
|-------------|--|
| 11/12/2023 | Acquiring proficiency in SQL to facilitate the seamless transformation of Excel data into the insatsu system for ongoing system enhancement endeavors. |
| 12/12/2023 | Initiating the development of a dedicated page within the Insatsu system framework, specifically designed as an Excel converter to facilitate the smooth integration of spreadsheet data into the system. |
| 13/12/2023 | Undertaking the comprehensive design process for the aforementioned Excel converter page, ensuring optimal usability and visual appeal in alignment with the overall system interface. |
| 14/12/2023 | Executing the necessary adjustments to the directory structure of connected pages, realigning them with the newly created Excel converter page to establish a cohesive and interconnected system architecture. |
| 15/12/2023 | Engaging in a learning journey focused on SQL methodologies, with a specific emphasis on the intricacies of converting Excel data into the underlying database of the Insatsu system, thereby bolstering data management capabilities. |
| 16/12/2023 | weekend |
| 17/12/2023 | weekend |

Name and Signature of Supervisor

Date

WEEK : 16

| DATE / TIME | ACTIVITY |
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| 18/12/2023 | Embarking on the acquisition of SQL proficiency to streamline the process of integrating Excel-derived data into the database infrastructure of the Insatsu system, fostering enhanced efficiency and data integrity. |
| 19/12/2023 | Executing the integration of an Excel converter function into the system architecture, an essential enhancement aimed at facilitating seamless data transformation. |
| 20/12/2023 | Encountering challenges during the implementation phase, identified a bug attributed to file corruption within the XAMPP environment, necessitating thorough debugging and resolution procedures. |
| 21/12/2023 | Opting for a strategic approach, the decision was made to implement the system using the Taiyo server infrastructure, as a more robust and reliable alternative to the erstwhile localhost configuration. |
| 22/12/2023 | Company Rest day |
| 23/12/2023 | Weekend |
| 24/12/2023 | Weekend |

Name and Signature of Supervisor

Date

WEEK :

17

| DATE / TIME | ACTIVITY |
|-------------|--|
| 25/12/2023 | Public Holiday |
| 26/12/2023 | Company Rest day |
| 27/12/2023 | Efficiently reconfiguring the entire matching system's file paths to accommodate the newly introduced Excel converter functionality, ensuring harmonious integration and optimal system performance. |
| 28/12/2023 | Conducting a meticulous database rework, encompassing both data and data types, to fortify the system's structural integrity and enhance overall data management capabilities. |
| 29/12/2023 | Conducting a systematic examination to ascertain the presence of any errors during the database connection process with the system, ensuring a thorough check for seamless integration and pinpointing any potential issues in the connectivity. |
| 30/12/2023 | Weekend |
| 31/12/2023 | Weekend |

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Date