

Faculty of Computing and Informatics
CPT6216 Industrial Training
Student's Weekly Logbook

Name of the Student	HEMARAJ A/L RAJAN
ID of the Student	243UC247BQ
Name of the Company	JJ SECURITY SDN BHD SUBANG JAYA
Period of Training	3 Months
Name of the Company Supervisor	Tc Sivanesan Tamilselvam
Name of the Faculty Supervisor	Wong Keng Tuck
Week Number/Report Period	3
Brief Description of Tasks done during the Week	1. On the first day of the week 3 I proceeded with the slug creation and modify my existing sites table schema in database to accept this slug attribute. The purpose of this slug creation is to make sure each visit aligns with one site so that the guards/admins from another site would not see the changes from visits at different sites. 2. I modified my existing add site logic to make sure it aligns with current schema. I also changed its html part into htmx version of the site rows so that adding site does not trigger page reloads. 3. I have been working on QR code creation so that visitors can easily scan the code to check in at entryptoints later. To achieve this I made sure to link my publics folder to the storage folder and made sure the filepath is stored in the sites table. However I am facing some issues as of the day three by which the code is not encoding actual visitor check in page and at the same time produces broken image at the frontend,so currently as of day three I am trying to fix this issue 4. As of the day four, after countless trial and error, I found the critical issue which is I am using outdated API that

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	no longer have version support to generate QR codes. To solve this I use the Endroid module to generate the QR code and finally it is displayed on the frontend side. I have also done the download QR option to print out the qr codes in png form so that admins can later paste those codes at checkpoints for easy entry/exit. As of the remaining half day I manage to complete the edit function to edit the name and the address of the sites and delete function to delete the sites. For this I have use htmx components that uses PATCH and DELETE requests so that like add site logic it does not trigger full page refresh. 5. As of the final day, I am doing some adjustments on manage admins backend so that it can be connected with existing manage sites logic by which each admin will be assigned to each site by super admin. Once this logic gets done, the manual registration workflow should be easier to implement as the workflow mainly focuses on the form submissions.
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Reflections (Problems encountered if any, Reasons for non-completion of planned tasks if any, Lessons learned, Tasks planned for the next week etc.)	As of my week 3 reflections, yes I have encountered difficult issue particularly on QR code creation. I was using and outdated API to create the code resulting in broken code/ image not appearing. Upon further inspection, under the Consoles, the image could not be created at all. To solve this, I use the Endroid version 6 to create the QR code and made sure it uses the slug(derived from sites name) so that it aligns to each site. The major lesson I learn is to search properly through the Internet to use proper QR code APIs as for the latest version Laravel 13. I also have tested the qrcode connectivity by making sure opening the app in normal browser mode and incognito mode to stimulate the behaviour. As for tasks planned on week 4, I am planning to make sure the manual visitor registration via qrcode works so that I can integrate hardware devices with proper SDKs.
Remarks from Company Supervisor (if any)	On first Grand Report with prelude.
Signature of Company Supervisor with company stamp	Tc. SIVANESAN TAMIL SELVAM JJ Security Sdn Bhd Principal Officer sivanesan@jjsecuritysb.com +6016-602 8431