

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	1
Brief Description of Tasks done during the Week	1. First day – I had brief introduction on a company project which is Visitor Management System. The idea of this application is that it uses hardware integration into the app to allow the devices read info from MyKad, send data to the app for visitors in residential complexes. 2. I have also gathered the necessary requirements such as finding what framework I can work on, which is Laravel and find details on visitor history implementation and visitor violation list. 3. I have also conducted some hardware research such as finding exact MyKad reader device model (for Malaysian visitors) which is Castles EZ100PU at the current moment and how the implementation of passport scanner (using office standard scanner) (for foreign visitors) will work with USB webcams (to take visitor's latest picture) will work. In addition I have also conducted research on suitable SDKs to act as bridge between these devices and my web app. 4. I have also finish the UI mockups of the web app using HTML, Tailwind CSS and JavaScript. Tailwind CSS is chosen



Universiti Telekom Sdn. Bhd. (436821-9)
Faculty of Computing and Informatics
Multimedia University, Cyberjaya Campus,
Persiaran Multimedia, 63100 Cyberjaya
Tel: +603 8312 5010/5405 Fax: +603 8312 5264
URL : <https://www.mmu.edu.my/fci/>

	as it often gives us the choice of not doing the css in separate spreadsheet. In addition, I have also have been working on admin authentication system(as this app is primarily used by admins only and not accessible to general public). 5. On my fifth day, I separated the roles into two distinct roles, one would be Admin and another would be Super Admin which should only be 1 in the system.I have completed the authentication system but I faced one small bug which is when the admin logs out, the browser still remembers the previous session. To fix this, I have added a proper POST route logout that invalidates the user's sessions and cookies. The problem is now fixed and the authentication system for admins works well at this moment.
--	--

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 first week, no major issues are faced aside from one small bug issue on logout route. As for my first week I have learned a lot about how hardware connect with SDKs and how web apps send APIs to these SDKs to retrieve data. In addition since I am using Laravel Herd which provides the Fortify service that makes authentication system simpler, I also have learnt that I can use the existing reset password features from that service for the web app.
Remarks from Company Supervisor (if any)	<i>Progress on going.</i>
Signature of Company Supervisor with company stamp	Tc. SIVANESAN TAMIL SELVAM JJ Security Sdn Bhd Principal Officer sivanesan@jjsecuritysb.com +6016-602 8431