



Internship Logbook

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University: Swinburne University of Technology

Host Company: 99 Au Pairs

Date	Hours Worked	Task Details	Learnings
2022-08-16	6.8	Get briefed by Irene, Noted down different vulnerabilities regarding software that we are currently using in the system and ways those can be mitigated	Different ways to research software being used to find vulnerabilities that are not publicly revealed, using different penetration testing tools, etc
2022-08-19	7	Get briefed by Irene, Meet with Junda and June who will work with me in developing website aspect (i will be focused on the security side of it), Noted down different vulnerabilities regarding other software that we are currently using in the system and ways those can be mitigated.	Different ways to interact with my colleagues in a professional way and also to research software being used to find vulnerabilities that i had missed last time
2022-08-23	7	Meet with Irene and the team, brushed up old work regarding vulnerability, researched about log4j vulnerability in depth, verified its impact on different software	In-depth details about how different software worked, both in terms of hidden core components and how it links to efficiency of the external services they provide, also details about log4j vulnerability and mitigation methods
2022-08-30	8.6	Going through vulnerabilities, looking through databases and forms that will be used and finding alternatives from hard coding stuff on websites, discussing about which plugins to use and avoid, etc. And also discussing the new meeting time change as supervisor is currently in different timezone.	The fact that most website creation type softwares are actually made by miser type people who don't even give access to implement even the basic security features unless people pay them a certain amount of money in exchange for the "luxurious" service.
2022-09-02	6.6	Learn how to use Zoho forms, Apache server, fixing HTML error, modifying form input in order to include sanitization and other security measures in order to prevent spam	Using all features of Zoho forms, Zoho integrated apps, the different ways data can be inputted and passed into different databases, meeting with Irene and finally the things i will need to do the next day
2022-09-06	7.1	Learning how to use Cpanel and the ways to mix code with software in terms of web development and the reasons why we shouldn't do so, alongside how much of a mess it can become in apache if that approach is used	Learning how to use Cpanel and the ways to mix code with software in terms of web development and the reasons why we shouldn't do so, alongside how much of a mess it can become in apache if that approach is used
2022-09-09	8.2	Play around with various Zoho tools, looking up different way to create subdomains on websites in order to allocate for different spaces and thus save expenses, learning how Zoho chat features work, etc.	Learnt how Zoho chat features works, alongside how to set up different bots and scripts in order to automate certain responses to different common questions and ways to delegate it to a human operator when it is necessary to do so
2022-09-13	7.5	Go through tasks given by Irene regarding previous and new website update, integration, modification and transferring of data in a secure and efficient manner. Also chaired the internship briefing meeting for the day	How to use different Zoho tools and softwares, how they interact with one another and how they are integrated and linked. Also noting what traces and "artifacts" they produce when they are used and ways to hide them to prevent attackers from understanding which system we used to create and protect the company website
2022-09-16	7	Modify forms using Zoho integrated tools on both old and new website whilst setting up captcha, OTP and other security features and ensuring they work properly both in sandbox and live environments	Modify forms using Zoho integrated tools on both old and new website whilst setting up captcha, OTP and other security features and ensuring they work properly both in sandbox and live environments
2022-09-20	8.2	Went through zoho forms. crm and website, finding out all the different ways these interact with one another both in terms of performance	Found out interesting aspects of Zoho CRM, FORM, bluehost web hosting capabilities and limitations and found various workarounds to them both coding and software aspects

		e and security alongside noting vulnerabilities that they contain	
2022-09-27	9	Worked on Zoho forms and CRM alongside working on the new website. Also checked up different ways they can be linked or integrated and also the security issues that these may lead to	Security aspects of Zoho Forms, CRM, website (both old and developing one), alongside details on data transmission rate and factors that can affect it
2022-09-30	8	had an offline meeting with everyone in the company, modified and published the final version of website, alongside using proper and modern backup system	Website publishing and backup techniques provided by bluehost and other softwares, pros and cons of using cpanel and also how wordpress can be integrated to be used in Zoho CRM both efficiently and effectively
2022-10-04	10	Going through almost all possible attacks that can be performed on the new website to stress test it, alongside way of creating suitable manual or documentation for admin login	Almost all possible attacks that can be performed on the new website to stress test it, alongside way of creating suitable manual or documentation for admin login
2022-10-07	9.5	Learn about how Zoho CRM and Campaigns work, how they related to websecurity and efficiency aspects and how they can be interlinked with bluehost and wordpress.	Learn about how Zoho CRM and Campaigns work, how they related to websecurity and efficiency aspects and how they can be interlinked with bluehost and wordpress
2022-10-14	8	Learning how to use Zoho Campaign and how it interacts with Zoho CRM and FORM and how data is being passed and segmented into it, alongside how it can be automated	Learning how to use Zoho Campaign and how it interacts with Zoho CRM and FORM and how data is being passed and segmented into it, alongside how it can be automated
2022-10-18	5.5	Final touch up on Zoho, specially on Zoho campaign and how it works in terms of linking CRM and email automation via workflow. Also looked at some issues the system has and on ways to fix them. Also had farewell or exit interview	Final touch up on Zoho, specially on Zoho campaign and how it works in terms of linking CRM and email automation via workflow. Also looked at some issues the system has and on ways to fix them