

Student's Weekly Progress Report

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Course: Bachelor of Science in Computer Science

Report Date	Date Submitted	Task Completed	Task in Progress	Next Week's Task	Problems / Challenges	Field Supervisor Comments
03-06-2022	10-06-2022	-Signed oath of secrecy to keep confidentiality of the organization's information and assigned to software development department. -Assigned group mates also interns for our tasks. - Created for an account and password for the wireless network for internet connection.	-Downloading and installing all required software for the project (Postman, Keystroke Explorer and Java Development Kit,EFRIS_Offline_ Mode _Enabler_ for _Windows) - Generating private key and public key using Keystroke Explorer which will be used during API testing of the different modules 3 the Efris system	-API testing and integration of the Efris system for automatic e-invoicing and e-receipting for different modules.	-Unstable internet connection network due to many users on the network.	Good start

10-06-2022	13-06-2022	-Did the API testing for interface code T101 of the EFRIS web service app which gets the server time. -Also did testing for interface code T130 for Goods Upload, T31 for Goods Stock Maintain, T109 for Billing Upload, T108 for Invoice details. -Wrote a System Requirements Specification for Customs Information System (CIMS), a system yet to undergo updating.	-Still testing T110 API module for Credit Application. - Still making edits to the CIMS SRS.	-Learn how to use API's, which scenarios they are used.	- Had limited information about the CIMS system so and also had no login rights to the to examine the gaps and write them in our documentation. made it difficult to write the SRS	Embraced new tasks with commitment
17-06-2022	17-06-2022	-Did EFRIS API testing for interface codes T114 and T127 for credit note application cancel and Goods/Services inquiry. -Finalised with writing the System Requirements Specification for the URA CIMS system.	-Designing the User Interface for EFRIS Graphical User Interface web system using HTML and CSS and PHP	-Implementation of the backend of the EFRIS API web system.	-I was not familiar with Figma and PHP and had to learn them as fast I can.	Demonstrated willingness to learn

24-06-2022	24-06-2022	<ul style="list-style-type: none"> -Implemented the user interface of EFRISAPI Web system using bootstrap. -Created a database for the EFRIS API Web system. - Connected the user interface with the backend using PHP. 	<ul style="list-style-type: none"> -Developing the CIMS and ASYCUDA URA Customs system , creating a database for CIMS using MySQL server and java for the database connectivity and dynamic web system. - Then for ASYCUDA , we are using oracle for the database and connecting it to the User interface also using Java. 	<ul style="list-style-type: none"> - Connecting the two databases of ASYCUDA and CIMS system together so that they can communicate using APIs as the two systems work together. 	<ul style="list-style-type: none"> -Inadequate time to develop the systems and make them properly functional. - Java database connectivity using NetBeans IDE , working with java servlets and JSPs for the backend as they were very new to us. - Inserting bootstrap into our java servlets was difficult. 	Progressing well
01-07-2022	06-07-2022	<ul style="list-style-type: none"> -Developed the CIMS and ASYCUDA URA Customs system. - Created a database for CIMS using MySQL server . -Created a database for ASYCUDA using oracle. 	<ul style="list-style-type: none"> -Java database connectivity to Oracle database of ASYCUDA URA CUSTOMS SYSTEM. - Learning how to use Spring Boot which we will use for our API development. 	<ul style="list-style-type: none"> Connecting the two databases of ASYCUDA and CIMS together so that they can communicate using API as the two systems work together. 	<ul style="list-style-type: none"> -Oracle installation issues wasted a lot of our time. 	
08-07-2022	12-07-2022	<ul style="list-style-type: none"> -Given a one month extension of internship in order to finish up our projects and learn more until the end of July. - Connected the Oracle database of ASYCUDA URA CUSTOMS SYSTEM using Java. 	<ul style="list-style-type: none"> -Learning how to use Spring Boot Java framework for web service. 	<ul style="list-style-type: none"> -Converting the ASYCUDA system project in Java to Spring Boot for easy API integration. - Learning how to develop APIS Using Spring Boot . 	<ul style="list-style-type: none"> -Learning how to use Spring Boot since am new to it thus consumed a lot of time. -Processing our extension documents consumed a lot of time. 	

15-07-2022	22-07-2022	<p>-Implemented User login authentication system of RCTG in spring boot by using an api that trasmits data to database to check the validity of the user trying to login. - Downloaded dependencies such as JPA data spring ,Web Spring and MySQL server to enable our Spring Boot application run on the Apache Tom Cat server endpoint so as to run return a JSON.</p>	<p>-Creating an API that fetches data from Oracle database and testing it using Postman to verify if it is working.</p>	<p>-Integrate that API into our system so that it can be consumed by the RCTG system.</p>	<p>-Downloading and Debugging dependencies was a hurdle as Spring Boot could not download dependencies using a proxy connection and it is the one we use at URA for internet connection which took us time to realize before switching to using our normal data.</p>	
22-07-2022	24-07-2022	<p>-Created an API that fetches data from MySQL server database and tested using Postman and it was working.</p>	<p>Integrating the API we created into our system so that it can be consumed by the RCTG system.</p>	<p>-Making final report and summarizing our internship at URA.</p>	<p>-No challenges faced</p>	