



King Mongkut's University of Technology Thonburi

Industrial Training Report

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B.Sc. Computer Science

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Executive Summary

This report describes the internship I undertook at Siam Commercial Bank (SCB) Bangkok. SCB was the first bank established in Thailand and today provides a variety of financial products and services through several SCB core business groups. Undergoing the internship program is a requirement for all undergraduate Computer Science students in order to successfully complete their degree. The objective of the internship is to provide students with a real IT workplace experience and gain knowledge through hands-on observation and job execution.

The report presents the major tasks completed during my summer internship at SCB. I was assigned to the Young Talent Program. There were 2 projects in this program, one was for the IT department and the other was for the finance department. The project I participated in required the creation of a balance inquiry page for a mobile application, and included research and design of a prototype balance inquiry application based on user requirements.

I had the opportunity to learn, practice and gain valuable experience at SCB. I have learned many new things and acquired knowledge related to IT in the fields of System Analysis and both Android and IOS programming. This internship also taught me how to be responsible in conducting tasks and be independent to learn new things. All the tasks given required cooperation between other colleagues. So, I am now confident to be able to work as a part of a team and be a valuable team player.

NOTE: A good abstract should address the following 4 sections:

- 1. Introduction/background:** Summarize, preferably in two/three sentence(s), information (history, nature of the business, competitive advantage) of the organization
- 2. Objective(s) of the Industrial Training Programme:** Here, you should state the objective(s) of the industrial training programme.
- 3. Your Duties in the Organization:** In a few short sentences, explain your duties/responsibilities when you were conducting your industrial training programme
- 4. Results** It is important to give the results of the industrial training on what have you learned. **Check the above abstract are all these requirements present?**

Acknowledgments

The internship opportunity I had with [Name of the Company] was a great chance for learning and professional development. Therefore, I consider myself as a very lucky individual as I was provided with a real IT workplace opportunity. I am also grateful for having a chance to meet so many wonderful people and professionals who led me through this internship period.

I express my deepest thanks to Mr./Ms. [Name Surname], [Position in the Company], Mr./Ms. [Name Surname], [Position in the Company], Mr./Ms. [Name Surname], [Position in the Company] and Mr./Ms. [Name Surname], [Position in the Company] for their careful advice and guidance which were extremely valuable for my study both theoretically and practically.

I choose this moment to acknowledge my advisor Mr. [Name Surname] for his/her support throughout my internship.

NOTE :

Only thank the people who were directly involved in your internship. Do not thank your cat for keeping you company at night, or your mum and dad for giving birth to you and providing you enough money to buy MaMa every night.

AGAIN, ONLY THE PEOPLE WHO WERE DIRECTLY INVOLVED.

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NOTE: Obviously this cannot be written until the final draft. It is an essential part of all reports. You must include all relevant sections. List of figures /tables must appear after the table of contents. In this example pages v and vi.

And Appendix.

Your Appendix should include:

- 1. Certificate of Internship/completion**
- 2. Internship program report (signed and original)**
- 3. Weekly reports (signed and original)**

The final section of the report will be the reference page.

Follow the IEEE referencing guide for all computer science papers.

Chapter 1: Introduction

1.1 Overview

An internship, which has to be carried out outside the university, is a part of the Computer Science curriculum of the School of Information Technology KMUTT. For me, this was a great opportunity to apply my knowledge in a practical environment and to increase my competences. I commence the report with my own objectives: the outcomes I hope to achieve from the internship. Then the report gives an overview of the internship activities that I worked on during my internship, from 9 June 2017 to 5 August 2017, at COMPANY NAME. My supervisor was Mr/Ms.... , and my hours of work were from 8am – 4:30pm Monday to Friday. The first part of the report offers an overview of the organization, then an outline of all the duties carried out during this time. I worked on one major project and several smaller projects. This report focuses for the most part on the major project and the smaller projects are more briefly described. The conclusions section provides a summary of key conclusions derived from my internship experience. Finally, based on my experience I offer recommendations to both the School of Information Technology and my internship provider (Name of Company or organization)

1.2 My Internship Objectives

I want to relate and apply the academic theory that I have learned at SIT to the work environment. Specifically, the following:

- _____
- _____
- _____

I hope to have the opportunity to develop the following work related skills:

- _____
- _____
- _____

I wish to develop my interpersonal, or soft skills, to fit with the company’s culture to help me work well with others by:

- Observing how people dress and speak in a workplace setting
- Observing how they interact with one another
- Practicing my ability to cope with change and adapt
- Developing a positive attitude towards tackling challenges and a willingness to take personal responsibility
- _____
- _____

Chapter 2. Internship Organization

2.1 Company Overview and Background of the Organization

The Siam Commercial Bank (SCB) was the first bank in Thailand, and established in 1904 as the Bank of Siam by Royal Charter. Later on 30 January 1907, the company's name was changed to Siam Commercial Bank (SCB). The bank would soon grow to become a "prototype for Thai banking", and help to achieve Thailand's financial independence. In 1911, the coat of arms was replaced by the mythical Garuda as the bank's official insignia by King Vajiravudh (Rama VI).

Siam Commercial Bank provides a variety of financial products and services through SCB core business groups that are: The Retail Banking Group, The Corporate Banking Group, The Business Banking Group, Global Transaction Services, The Special Assets Group and The Treasury Group.

The primary goal and target of SCB is to be the bank of choice for customers, shareholders, employees and the community. The mission is to be the best universal bank in Thailand. The 4 core values of the Siam Commercial Bank are: Innovation, Social Responsibility, Customer Focus, and Building Our People [1].

NOTE: Include products, services, client base, and organizational goals.

2.2 Company Location



Figure 1. SCB Company Location

2.3 Organization Structure

The present management structure of Siam Commercial Bank (SCB)



Figure 2. SCB Organization Structure

Chapter 3: Tasks, Projects, and Activities

NOTE: Using your daily job logbook provide a narrative of the internship work carried out. You may have worked on one project or you may have worked on several smaller projects. This section should be in your own words describing the project or projects you worked on. If you spent a lot of time learning some software or hardware, you can briefly describe those tools in separate subsections. Use headings and beware of writing an essay. Provide details of the project: include scope, methods, and tools. Provide screen shots or coding examples if relevant to your project. Describe results. Describe problems and solutions. A brief example is given below, but I believe it lacks sufficient day to day detail. The example refers to Advance Info Systems (AIS)

3.1 Internship Task Background

After a brief orientation of the AIS company policies and rules, I was assigned to work in the SIM scratch card development department and SIM and Handset Application (SHA) section. The SHA department control the specifications of SIM cards and handset devices of the Advance Info Systems (AIS) company. This section deals with various SIM vendors by providing them with SIM specifications with which the vendors manufacture the SIM cards accordingly. After completion of the manufacturing process by the vendors the SIM prototypes are returned to the SHA department to be inspected to make sure the SIM cards meet the given requirements.

3.2 SIM Profile Validation Process

I was directly involved in the SIM profile verification process. This required me to use the standalone “SIM Profile Validation” program to check and verify sample SIM cards to see

whether they meet the specific requirements that were given to each of the SIM vendors. This standalone program had to be installed on each local computer without a central database system to control the standards and keep verification records. Therefore, once new specifications or changes were made then each program on each local computer had to be individually updated to the current version. I was directly involved in this process.

3.3 SIM Profile Validation Process as Web Based Application

This project was of great interest to me and required extensive use of many of the IT skills I had developed at SIT, and several skills that I had to learn very quickly and independently. The “SIM Profile Validation” project would serve as a cloud-based web application usable through the Ethernet by all of their current employees. No longer would it be necessary to continually update programs on each local computer. Numerous vendors with various standardizations could then be converted into our formats and kept in a centralized database system for further reference. Comparisons between matches and mismatches of individual content could be achieved and easily clarified as well as being centrally recorded in the database.

Name	Code	SPI	Type	Content	Record No.	Record Size	Access Condition						
							RS	UD	Ince	Cre	Act	Deact	
	3F00		MF										
ICCID	2FE2	2	EF/1		1	10	AW	NV	NV	NV	CA	CA	
CardProfile	8800		EF/1		1	16	AW	CA	NV	NV	CA	CA	
CardInformati	8801		EF/1		1	16	CA	CA	NV	NV	CA	CA	
ADM Index	8802		EF/1		1	20	AW	CA	NV	NV	CA	CA	
ESM	7F20		DF						CA	CA	CA	CA	
LP	6F05		EF/1	01FF..FF	1	4	AW	C1	NV	NV	CA	CA	
IMSI	6F07		EF/1		1	9	C1	CA	NV	NV	C1	CA	
Kc	6F20		EF/1	FFFFFFFFFFFFFF 07	1	9	C1	C1	NV	NV	CA	CA	
RUCT	6F41		EF/1	FFFFFFFF0000	1	5	C1	C2	NV	NV	CA	CA	
CBM1	6F45		EF/1	FF...FF	1	30	C1	C1	NV	NV	CA	CA	
SPN	6F46		EF/1	00=14953FFA7:FF	1	17	AW	CA	NV	NV	CA	CA	
CBMID	6F48		EF/1	FF&7:FF	1	8	C1	CA	NV	NV	CA	CA	
KcGPRS	6F32		EF/1	FFFFFFFFFFFFFF 07	1	9	C1	C1	NV	NV	CA	CA	
LocGPRS	6F33		EF/1	FFFFFFFFFFFFFF25 FD300000FF01	1	14	C1	C1	NV	NV	CA	CA	

Figure 3. Web Application Data Template

3.4 Identify Stakeholders, Requirements, Project Design

The process for design required me to, in the early stages, install programs individually on local computers, and study with my trainer, technical issues surrounding SIM card development and production. Now it was necessary to identify stakeholders of the new system. Once the requirements were obtained, I commenced the design and creation of the web application to check quality of SIMs from the user. Then I defined the system functional requirements with my colleagues. After I obtained the functional requirements, I created a time plan of the whole project. From then the project required firstly designing and then coding of the application.

I implement web application by using JSP language to be main language. This is example of my JSP source code.

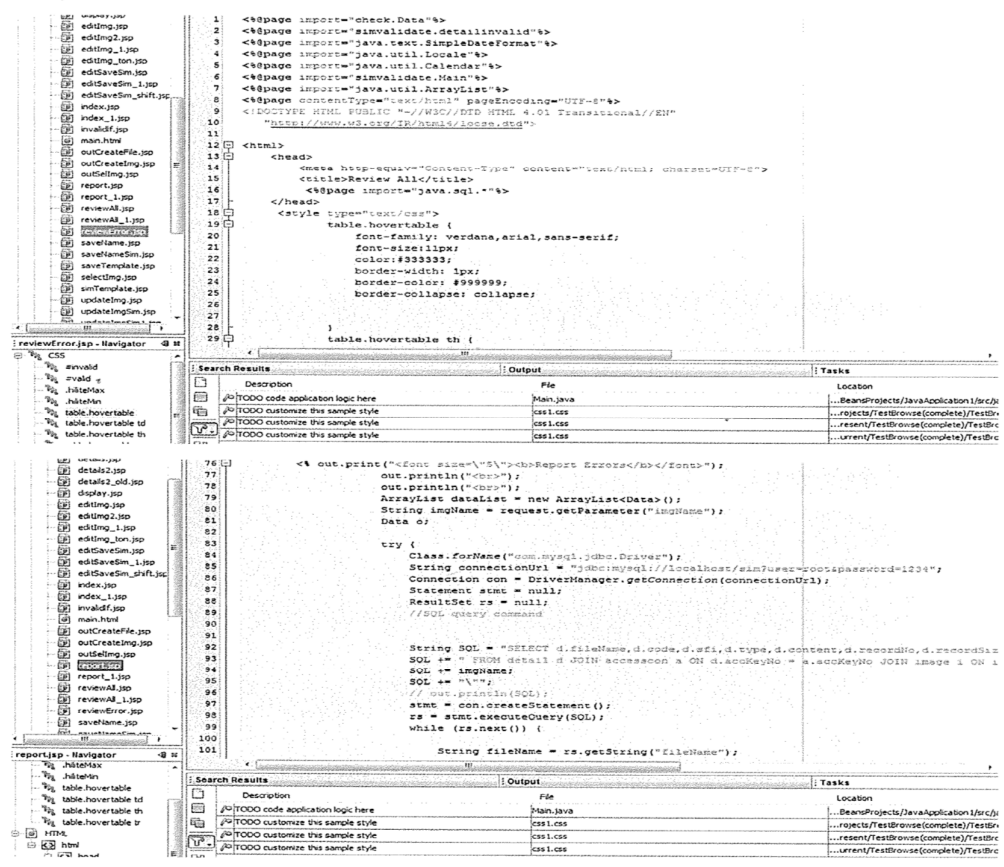


Figure 4. JSP script used for web implementation.

3.5 Requirements and Project Presentation

The requirements identified were as follows:

- Create web application to check quality of inserted SIM card with standard template.
- Insert data from SIM into database.
- Compare data between inserted SIM card and standard template.
- Report results of comparison.

During the internship I was involved directly with the above requirements. I was required to present my work to the related supervisor. After they were satisfied with my work I then continued to finish the web based application. I tested the SIM card and function on a mobile phone. My last assignment was a simple ask of arrangement and clearing stock of mobile phones.

NOTE: Please your project will be unique to your place of internship. I am offering you only guidelines for each section. But as I have said everything will relate to the data you collect every day of your internship. Every heading and sub-heading will relate directly to the assignment or tasks you were involved in.



Chapter 4: Conclusions

4.1 Internship Experience Summary

The past two months of my internship have been very instructive for me. [Name of Company] has offered me opportunities to learn and develop myself in many areas and achieve my training objectives. A lot of the activities that I have worked on during my internship were familiar with what I have studied at SIT. Many tasks though, such as [name tasks , coding, programing , interpersonal skills that were new to you]. Participating and learning new skills, both hard and soft, has given me a chance to find out which areas I want to work in after I complete my degree.

4.2 Internship Personal Experience Summary

After completing my work placement, I have really changed my attitude and views and t feel like I have matured throughout the process The placement has been a great experience as I have done so many things that have been a success, but I have also learnt from my mistakes and learnt how to evaluate the work that I am carrying out. I believe that I have developed greatly over the last two months, and I do not think I would have developed to the same extent if I had not done an internship placement.

NOTE: Refer back to your objectives. Did you achieve them? What other skills did you develop that were not part of your own objectives. Be specific .

Chapter 5: Recommendations

5.1 Internship Recommendations for SIT

The part that I found most interesting during my internship at Pronto Marketing is the social media. It has changed my perceptions of the importance of Internet and online social media communication tools. That is why I am recommending my university to introduce a social media course, where the students learn the basic online tools that are needed in today's online marketing.

5.2 Recommendation for Internship Company

Pronto marketing is a great learning company for interns. It is not a small company but it is like a family and helps interns improve and develop their skills. I would recommend this internship opportunity to future SIT Computer Science seniors.

References

➤ [1] Mr. Kanin Lekapojpanich

SCB Digital Strategist, Supervisor

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Bangkok 10900

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Appendix

Your Appendix should include:

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