



DPB50163 BUSINESS PROJECT

DIPLOMA IN INTERNATIONAL BUSINESS

NAME OF PROJECT: NOTISTOCK

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SESSION II 2024/2025

DEPARTMENT OF COMMERCE

CONFIRMATION OF THE REPORT

The project report “NotiStock” has been turned in, examined, and confirmed as meeting the requirements and specifications of the project writing as specified.

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With the exception of the exceptions, we have already indicated to our source, we embrace that this work is our own.

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DECLARATION OF ORIGINALITY AND OWNERSHIP

TITLE: NOTISTOCK

SESSION:

We,

LAU MIAO SHIN

CHONG PEI YING

PAVATARINI A/P SIVAN

We are student in our final year of the Polytechnic Malacca's Diploma in International Business programme, which is located at No.2 Jalan PPM 10 Plaza Pandan Malim, 75250, Melaka. The Polytechnic is referred to henceforth.

We accept that "The Project Above" and the associated intellectual property are the multipurpose is of our own unique creativity, which we did without appropriating or imitating the works of any third parties.

In order to fulfill the conditions for The Polytechnics to grant us the Diploma in International Business, we need to give the intellectual property for the "Project" to them.

Made and in truth that is recognized by:

Lau Miao Shin

(Identification card No: )

.....

Chong Pei Ying

(Identification card No: )

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Pavatarini A/P Sivan

(Identification card No: )

.....

In front of me,

As a project supervisor, on the date:

Puan Norazlina Binti Daut

(Identification card No:)

ACKNOWLEDGEMENTS

We are really fortunate to have had this support throughout the entirety of our project because the success and the conclusion of our project required a great deal of direction and assistance from many people. We would want to use this opportunity to express our gratitude for their guidance and support in everything we have accomplished. We are grateful to Madam Tuty Binti Kamis from the Commerce Department for giving us the chance to work on a project at the Polytechnic of Malacca and for their help and direction in getting the job done. Despite their hectic schedule overseeing business issues, they provided us with a lot of help and direction, for which we are quite grateful. We are really grateful for our project as well. Madam Norazlina Binti Daut, our supervisor for this project, showed a genuine interest in our project work and helped us every step of the way until it was finished by giving us all the knowledge required to create a sound system. We are grateful for the continual support, encouragement, and direction we received from the teaching staffs at the Commerce Department, which encouraged us to successfully complete our project work. We also want to express our gratitude to everyone for their prompt assistance. Thank you.

EXECUTIVE SUMMARY

NotiStock was an inventory management system meant to help businesses efficiently prevent stock shortages, overstocking, and manual logging mistakes. It helped keep track of inventory levels, sent automated restock alerts to employees, and even allowed barcode scanning to make inventories more precise and easier to manage.

With NotiStock, administrators had to scan the barcode to enter the inventory, bypassing the time-consuming and inaccurate manual inputs while also ensuring that inventory data was always updated. The system tracked stock levels and, once a certain product neared its threshold, reminded the right personnel to ensure restocks happened on time to avoid business disruptions.

I would argue the most impressive feature of NotiStock is the fact that it single-handedly helped numerous companies reduce inventory loss and improve overall company efficiency while also adhering to the global sustainability development goals: SDG 8, and SDG 12. NotiStock streamlined economic growth, waste reduction, and proper resource usage. NotiStock improved business workflows while also having a positive impact on the environment by reducing the unnecessary inventory procurement processes and inventory management waste.

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CHAPTER 1

1.0 INTRODUCTION

TAM (Technology Acceptance Model) is a well-known model for understanding how users accept and use technology. In this model, two main elements, perceived usefulness and perceived ease of use, are said to determine an individual's intention to use a system (as are other technology acceptance models) (Davis, 1989). You could plug in a local webapp to make your stock record keeping more modern and efficient.

TAM use in this case study provides a formal way to examine effects on user acceptance of the web application, which in turn contributes to a system that meets the needs of users and can easily be used for widespread purposes.

Previous studies have shown that TAM can be used in different technologies (e. g. Amron and Noh (2021) used TAM to examine the acceptance of cloud computing in higher education).

1.1 LITERATURE REVIEW

TAM has been widely used in the financial domain as a measure of user's acceptance of new technology. In the study by Jayalakshmi and colleagues (2025), the effect of perceived technology acceptance on stock trading behavior in online stock transactions was evaluated and the stock traders' use of online stock trading platforms was influenced by perceived benefits, perceived ease of use and perceived usefulness. In short, TAM can be used as a proxy for prediction of user behavior regarding stock management applications. Uyob et al. (2023) used TAM in an attempt to explore the user acceptance of the XBRL-based Malaysia Business Reporting System (MBRS), which incorporates an application to the business reporting system MBBS. The results showed that user intention to adopt the MBRS was influenced by perceived utility, perceived ease of use, and costs. This study shows that the importance of these factors in the adoption of stock reporting systems can be seen in the following ways, using the Technology

1.2 BUSINESS PROBLEM OR ISSUE

Inventory management was critical to the operation of the business to ensure the smooth running of the operation, prevent loss of funds and maintain customer satisfaction. As a result Sieg Success Sdn Bhd had been faced with several challenges on this front leading to its operating situation and its ability to generate revenue. The main issues were as follows:

1. **Not replenishing correctly** – Lack of inventory records caused the company to sometimes forget to purchase items which in turn caused incomplete orders from customers and losses of money.
2. **Overstocking** – Lack of inventory management can lead the company to purchase a lot of inventory without adequate space available at the warehouse, thus resulting in expired or unsold product, and hence cost.
3. **Unorganized Inventory Control** – Often staff had to just store the products in memory with no system, and sometimes forget to replenish, or place additional orders that were duplicate, or even miscalculate inventory levels. This all made for an incredibly chaotic environment.

For these challenges the organization needed a simple, user-friendly solution. NotiStock helps with these by providing manual inventory adjustments and alerting people when their stock needs to be replenished. With this solution the company managed its inventory more accurately, avoided stockouts and avoided financial losses caused by overstocking. A better management of inventory made business more transparent, reduced waste and improved customer satisfaction.

1.3 BUSINESS OBJECTIVE

1. NotiStock can guarantee the local web application suggested for the safety record.
2. NotiStock's automated alerting system lets Sieg Success Sdn Bhd staff members know when stock runs above the minimal level. It can help to avoid the problems with shortages of supplies.
3. NotiStock may assist Sieg Success Sdn Bhd effectively control its stock by means of accurate data, reduction of unneeded purchases, and minimizing of administrative costs.

1.4 JUSTIFICATION OF BUSINESS PROJECT

Sieg Success Sdn Bhd was once plagued by inventory control problems. The information available on the inventory was inaccurate at times. Resupply of stock was not done promptly, and some time there were purchased surplus stock which was mostly down to their reliance on handwritten records and more traditional inventory management techniques which were prone to errors and incorrect data. This cost Sieg Success not only lost time and money but also lost customers.

For these problems we suggested NotiStock, a smart inventory system with a portable barcode scanner. Its advantages were:

- **Barcode scanning** – This was an easier way to record inventory by letting employees scan bar codes instead of people.
- **Updated inventory in real time** – the system automatically provided stock levels, meaning inventory was available at any point in time.
- **Replenishment reminders** – NotiStock automatically sends reminders to employees when stock is low to avoid stockouts.
- **Reduced Inventory Waste** – System helped avoid excess purchases, reducing storage costs and lowering financial losses from excess inventory.

Sieg Success Sdn Bhd greatly reduced error, time was saved, costs were lowered and satisfaction with the product was improved because this system was not just an instrument but also a contributor to the growth of the business.

1.5 SCOPE OF BUSINESS PROJECT

For this research, the scope of our project is multipurpose innovation which is very appropriate and must be owned by NotiStock owners to allow productivity to increase and also to increase entrepreneurship in business. Therefore, in this regard, we have decided to create a new technology that is to improve existing products on the market. The innovation of our own products is only to add more features and also able to change usage of the NotiStock. This is because to develop and implement NotiStock, a web based inventory management system, to address inventory control challenges faced by Sieg Success Sdn Bhd. This project is fully functional NotiStock web application tailored to the company's needs. The user manually and training sessions for staff. The system will initially be implement only at Sieg Success Sdn Bhd. Our innovation product is suitable for inventory companies that for tracking and restocking industry in Malaysia.