# TUP-MERCH HANDLING MANAGEMENT SYSTEM

A Capstone Project
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By

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# INTRODUCTION

The study focused on developing an online ordering system and computerizing themanagement of merchandise products from different organizations. The system will be created specifically for TUP-Manila and it might be difficult to adapt to other organizations or retail businesses without major changes. The developed system will embrace this digital change, bringing the organizations? product handling methods in line with current industry expectations and customer expectations. It will provide real-time visibility into stock levels, enabling the system to assess the system's efficiency and effectiveness. The system has features like inventory management, order processing, tracking, and reporting. It is a subset of the larger industry known as electronic business (e-business) Ecommerce transactions provide access to nearly every possible commodity and service, including books, music, aircraft tickets, and financial services such as stock investing and online banking. The system will depend on users entering accurate data, so any mistakes or inaccuracies in data entry could reduce the system's effectiveness. The researchers intend to optimize its merchandising procedures, improve customer satisfaction, and increase income generation.

# METHOD

The researchers analyzed the requirements of the project, its timelines, risks, and existing systems related to it admin side. They then created a testing procedure for the "TUP Merch Handling Management System" This testing procedure ensures that the system functions correctly and efficiently for both customers and administrators. By following these steps, administrative administrators can efficiently manage the system's functionalities and ensure smooth operations of the platform. The researchers then created the flowchart for the TUP system to show the workflow of the system. The "TUP-Merch Handling Management System" simplifies product management for both customers and administrators. The system usability and functionality are assessed through testing. The researchers discussed the features, instructions, and objectives of the system to each respondent. The respondents answered the given google form based on their own personal experience with the system. The rating of ?Strongly Agly? corresponds to the highest rating of 1 and the lowest rating is the rating of 5. The study was published in the online edition of the Journal of Information Technology. The evaluation process can serve as a basis for determining whether the developed system can be implemented within the university. Based on the provided operation procedures, the following are the steps taken and its expected output. The rating scale and its interpretation for the evaluation of TUP-Merch was used in the process of evaluation. The system that was assessed to be functional and reliable is deployed to be used by the target market. The diagram shows that the  viewpoints of the system caters multiple user roles, including Admin, Org Admin, Cashier, and Customer Financial Report Testing. rators. The system is developed according to the design planned Review Audit Log - Within the Audit tab, administrators can access the audit log to track updates and actions taken by users. Track Sales - Once an order is marked as paid, the sales are added to the Sales Report. Analyze Financial Reports - In the Financial Report tab, Administrators can:. Accessthe financial report of each organization by selecting their name from the dropdown. Upload system and website logos for branding purposes.

# RESULTS

In this page, the  admin can create org, financial report of every organization can be viewed, the org, and pending orders. The TUP Merch Handling Management System is well-received by its users and performs exceptionally well in terms of functionality, efficiency, usability, reliability, and security. Overall, the TUP-Merch Handling Management system received a Strongly Agree interpretation. The highest weighted mean came from  Functional Suitability criterion while the lowest is Usability in which it received a mean score of 4.29. Non-organization users strongly agree that the system is  functionally suitable, performs efficiently, is user-friendly, reliable, and secure. The system has a number of limitations, including the ability to handle multiple organizations. The results suggest that non-organized users strongly agrees that theSystem is   functional suitable, performing efficiently, and is user friendly. The TUP-Merch Handling Management System has a score of 4.54. The rating is slightly lower compared to non-Organization users. The system has a role-based access control. The Administrative Administrator is at the top of the structure. Users can browse merchandise by different departments. The system is secure, dependable, user-friendly, and performs well in terms of functionality. It can be further developed to meet higher technical standards. It could require substantial redevelopment efforts to make the system even more useful to users. It is widely acknowledged that the system is safe and secure. It provides valuable insights into areas where the TUP-Merch Handling Management System can be improved. , and secure with a grand overweighted mean score of 4.00. admin accounts for organizations to use when they register for their products. Each role has a tailored dashboard displaying relevant metrics and functionalities. Admins can see stock levels, pending orders, and sales data. While the evaluations from non-organization  users and organization administrators were highly favorable, the IT experts' ratings, though                       positive, indicate that there is room for improvement.

# DISCUSSION

The TUP-MHMS is a strong and practical solution, well positioned for future expansion and development, according to the capstone project's findings. The evaluation's conclusions will guide current development initiatives, guaranteeing that the system will always be able to adapt to the changing needs of its users. The system performs well in every category, highlighting its potential for increased scalability and wider use. The recommendations are designed to enhance the system's functionality, usability, and overall user experience. They include improving the security measures of the system to protect user data and transactions.  organization members expressed high levels of satisfaction with the system's capabilities. Indeed.com: "Organization members... emphasize its ability to suit their administrative requirements" Indeed: " organization members... expressed high satisfaction with   system's capabilities,  emphasizing  its ability to  suit  their administrative requirements"

(http://www.indystar.com/2013/06/22/08/0822/the-system-says-it-can-suit-their-administrative-requirements.html#storylink=cpy.