

South East Asian Institute of Technology, Inc.

**National Highway, Crossing Rubber, Tupi South Cotabato**

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# GOWN RENTAL SYSTEM

**An IT Project and Research I presented to the College of Information and Communication Technology**

**In Partial Fulfilment of the Requirement for the subject**

**IT ELECTIVE 1: OBJECT ORIENTED PROGRAMMING**

## Presented to:

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**CHAPTER I**

**INTRODUCTION**

## RATIONALE OF THE STUDY

The computer has become a way of life since everything is easy by being just a click away from the solution to a problem. Though the manual system is still used, the computerized system is still the simplest way and hassle-free to work on, especially in business transactions. In most rental and reservation shops, daily transactions are still done manually. Renting is a great option for customers, who want a beautiful gown. Choosing a rental gown instead of buying a one-time-wear gown is a decision that can help customers trim their budget without compromising their special day. Customers will look beautiful in any gown, no matter what they cost or where they are from. In the field of business, many establishments are using computerized systems to process simple transactions up to complex ones. The reason this study is hereby proposed is to simplify the processes and procedures of this business. The researcher used to study the usual problems that occur in this shop.

Gowns Rental System is to help people fulfill and satisfy their rental and reservation needs. A shop looking forward to having branches and a decent computerized system in their transactions and rental and reservation schedules. Regarding the staff’s core values, the owner wants them to be customer friendly, accommodating, and hardworking. Gowns is one reliable option for those who need gowns for a particular event. Gowns has collected 2 000 formal wears for women. Like any other small business, Gowns of course still has some problems regarding its system and transactions. Gowns is currently using manual recordings such as log books, printed agreement forms, and whiteboards for schedules. Manual recordings can lead to mishandling information and lost paperwork, manual filing is the potential mishandling of information. No matter how careful the admin is, or how well trained, there is room for human error. A piece of information gets mislaid, an important piece of information is stored in the wrong file, or worse, a piece of paper is damaged or tossed out by mistake.These are the following problems that the Ramirez House of Gowns currently experiencing. (1) A gown is not returned by the due date the system triggers an overdue notice to the customer and may also apply late fees. (2) A gown is rented out the daily reports updates to reflect the rental, reducing the available inventory of that gown. (3) A customer requests a refund for a cancelled reservation the system processes the refund, updates the accounting records, and makes the gown available for other customers. (4) Rental agreements outline maintenance responsibilities tenants maintain the property, preventing deterioration and preserving it's value. (5) The adoption of gown rental systems reduces the need for constant production of new clothing items this leads to a decrease in carbon emissions and other toxic substances, benefiting the environment and natural resources.

The proponent’s perspective regarding the root of these issues is the Manual System they are using. Gowns Rental System could be the best system software they are looking for. Gowns Rental System can monitor the pick-up and return schedules of each item they are offering. This system is also capable of storing the item’s information to easily determine its details and price. This also stores information regarding the client for more security and assurance in their item’s retrieval. Gowns Rental System also can state whether the item is for pick-up, return, or reserve. However, this system cannot detect damages and real-time monitoring. Overall, Gowns Rental System is good when it comes to decreasing paper works and eliminating double reservation incidents for the clients. It can easily check overdue, returned, and unreturned gowns.

## OBJECTIVES OF THE STUDY

## General Objectives

The researchers aim to study and develop a Rental gown system for South East Asian Institute of Technology, Inc. located at National Highway, Crossing Rubber, Tupi, South Cotabato 9505.

## Specific Objectives

* To be able to develop that will organize the rental orders.
* To be able to develop a system to see the daily reports.
* To be able to design system that will manage the payment transactions.
* To be able to develop a system that can manage the agreement.
* To be able to design a system that will help the shop owner to manage the gowns.

**SCOPE AND LIMITATIONS OF THE STUDY**

## Scope of the Study

## The Gown RentalSystem is capable of the following:

* Rental module
* Daily reports
* Payments module
* Agreement
* Manage gown

## Limitations of the Study

The study is only intended for the Gown rental system. This study concentrates on the implementation and evaluation of the Rental Gown System in a particular context or institution so that it may not be generalized to other places.The system only covers basic functions such as gown management, registration of users and tracking inventory but it does not cater for more complicated needs or features that may increase user satisfaction or efficiency.The success of this system largely depends on the accuracy and completeness of data inputted by users, this can be affected by human error or inconsistencies in data entry practices technical problems like server down time, connectivity issues or software malfunctions may disrupt the Rental Gown System from working hence making it unreliable and less usable.Some things which the research might not comprehensively address are those factors which influence adoption by users, satisfaction with it or resistance against this new system since they could impact on its future viability within existing work flows.The external platforms integration is not supported by The Rental Gown System itself thus limiting its ability to interoperate with other stakeholders’ systems within gown renting ecosystem.

**SIGNIFICANCE OF THE STUDY**

This study explores the practices and considerations around fashion consumption, particularly the rental of fashion items like gowns. Specifically this study aims to benefit the following:

**Owner**

The role of the owner lies in understanding the dynamics and impact of ownership on the rental business model by analyzing the owner involvement.

**Customer**

This research sheds light on key factors influencing customers decisions to opt for renting over owning clothing items, such as the importance of possession, experience orientation, convenience, and price sensitivity.

**Researcher**

This research allows the researchers to fulfill their academic requirements and gain practical experience in developing an automated rental system for the fashion industry.

**Future Business owner**

This study provides valuable insights for future business owners planning to venture into gown rental systems by highlighting consumer preference, market trends and key considerations for established a successful gown rental system.

**Future Researcher**

High transaction costs and small profit margins for rental platforms due to issues like procurement, warehousing and logistics cots. Improving the efficiency of the rental platform ecosystem is crucial.

## FLOW OF THE STUDY

|  |  |  |
| --- | --- | --- |
| **INPUT** | **PROCESS** | **OUTPUT** |
| * Add rental * Add reports * Add payment * Create agreement * Manage the gowns | * Organize Rental * Generate reports * Generate payment environments * Process agreement * Check the status or state the gowns | * Display rental * Display reports * Display payment receipt * Display agreement * Display the state of the gowns |

*Figure 1.0 Flow of the Study of Gown Rental System*

## DEFINITION OF TERMS

* **Assessment –** a comprehensive evaluation of the patient’s health status.
* **Automation –** reduces the tasks the clinic staff have to do manually.
* **Case Report –** document relating to the incident regarding the patient’s

situation.

* **Consultation –** a conversation between the school nurse and the patient that aims to understand the patient’s concerns, assess the patient, develop a treatment plan, and answer the patient’s questions.
* **Emergency Inpatient –** a patient needing urgent medical attention who is brought by their classmates or rescued by the volunteer responders from their rooms to the school clinic.
* **Emergency Outpatient –** a patient needing urgent medical attention who is automatically referred to the municipal hospital or the rural health unit.
* **EMR (Electronic Medical Record) –** a digital version of the patient’s medical history, including diagnoses, medications, allergies, and past illnesses.
* **First Aid Treatment** **–** initial care given to a sick or injured person, with minor injuries and illnesses, until professional medical help is available or needed.
* **Inventory Management –** tracking stock levels of medications and stock supplies.
* **Medical History –** how frequently a student visits or is brought to the clinic.

* **Monitoring –** keeping track and checking the stock levels of medicine and medical supplies in the SEAIT School Clinic.
* **Recommendation –** a course of action suggested by the school nurse based on their assessment of the patient’s condition.
* **SEAIT School Clinic –** the area of investigation and where patients are brought to be given first aid treatment.
* **Unique Transaction Number –** a code assigned to each patient

transaction for easy tracking and reference.

* **Walk-in Inpatient –** a patient who visits the school clinic for a non-lifethreatening issue and stays there to rest for a while after treatment.
* **Walk-in Outpatient –** a patient who visits the school clinic for a non-critical issue and is released after treatment.