**A Web-based Product Purchasing and Services for**

**Twisted Fern Garden and Landscaping**

In Partial Fulfillment

Of the Requirements for the Subject Systems Analysis and Design (IT 303)

By:

**DE JESUS, MARK ADRIAN L.**

**GATCHALIAN, EIMEREEN C.**

**PEÑAS, JEVENSON P.**

**MIRANDA, PHILIP ANDREW P.**

**DELA CRUZ, REIGNARD JEHRALD A.**

**MONEDERO, RUSSEL JAIME M.**

**INTRODUCTION**

**Background of the Study**

Twisted Fern Garden and Landscaping is owned by Mrs. Thelma Benedictos. Twisted Fern is located at 9010 Cloverleaf, Sta. Cruz, Guiguinto Bulacan along the North Luzon Expressway - Guiguinto Exit. Where in the nature of their business is the process of making a garden or other piece of land more attractive by altering the existing design, adding ornamental features, and planting trees and shrubs, and also, they sell plants for walk-in customers who wants to buy some plant decors for their home. For the present, the type of transaction occurs in their business is through walk-in and reservation for Plants, and home service for landscaping. They already have a social media page created in Facebook for posting of products, finished landscape projects and to answer customer’s queries.

**PROBLEMS ENCOUNTERED WITH THE CURRENT SYSTEM**

1. **Some reservations don’t sell**.
   1. Customers can reserve a product and then not show up so it affects the potential income of the business.
   2. This may cause them to have more reservations with no one to get them.
   3. Could be turning away potential paying customers who want to buy that particular type product on time.
2. **Improper payment for installment.**
3. It is possible for every customer to have delays in the period of payment.
4. Capital investment for the business may be affected.
5. **Lack of stack handling due to traditional inventory.**
6. Increased risk for supply chain shortages or product delays.
7. Causing to have a scrap in the inventory and take a loss financially.

**FEATURES TO BE INCLUDED ON THE PROPOSED SYSTEM**

1. **Make a website**
2. Having a website accessible on a 7-day 24-hour basis without taking breaks for holidays and weekends is a huge advantage.
3. While physical shop is closed at night, online shop can keep on selling and bringing income by catering to customers at any time that is convenient for them.
4. **For customer’s product reservation.**
5. A reservation system will save Twisted Fern Garden and Landscaping customer’s time, because they will not need to wait for hours until your team confirms their reservation.
6. Good place for feedback and a place for demonstration about customer’s suggestions.
7. **Selling for product promotion and services.**
8. Allows Twisted Fern Garden and Landscaping to attract potential customers and convert them into sales.
9. Many people as possible were informed about Twisted Fern Garden and Landscaping.
10. **Include a back-end Inventory system to monitor the supplies needed.**
11. Owners know what’s in stock and order only the amount of inventory they need to meet demand.
12. Avoiding stockouts and excess stock for better planning and management that helps Twisted Fern Garden and Landscaping minimize the number of days, if any, that an item is out of stock and avoid carrying too much inventory.