

LPM Consulting

New Garden Landscaping Center Use Case Diagram and Descriptions

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Dear William,

Thank you for your time and input during our interview yesterday. LPM consulting gained helpful insights and knowledge that will allow us to deliver an effective and timely solution to help you meet your business needs. As we begin to develop your new system, our team has constructed diagrams and visuals based on your input to guide you through our vision. In this document, you will find a use case diagram that represents the key functions of procurement, finances, and operation processes in the system we are going to make for your company.

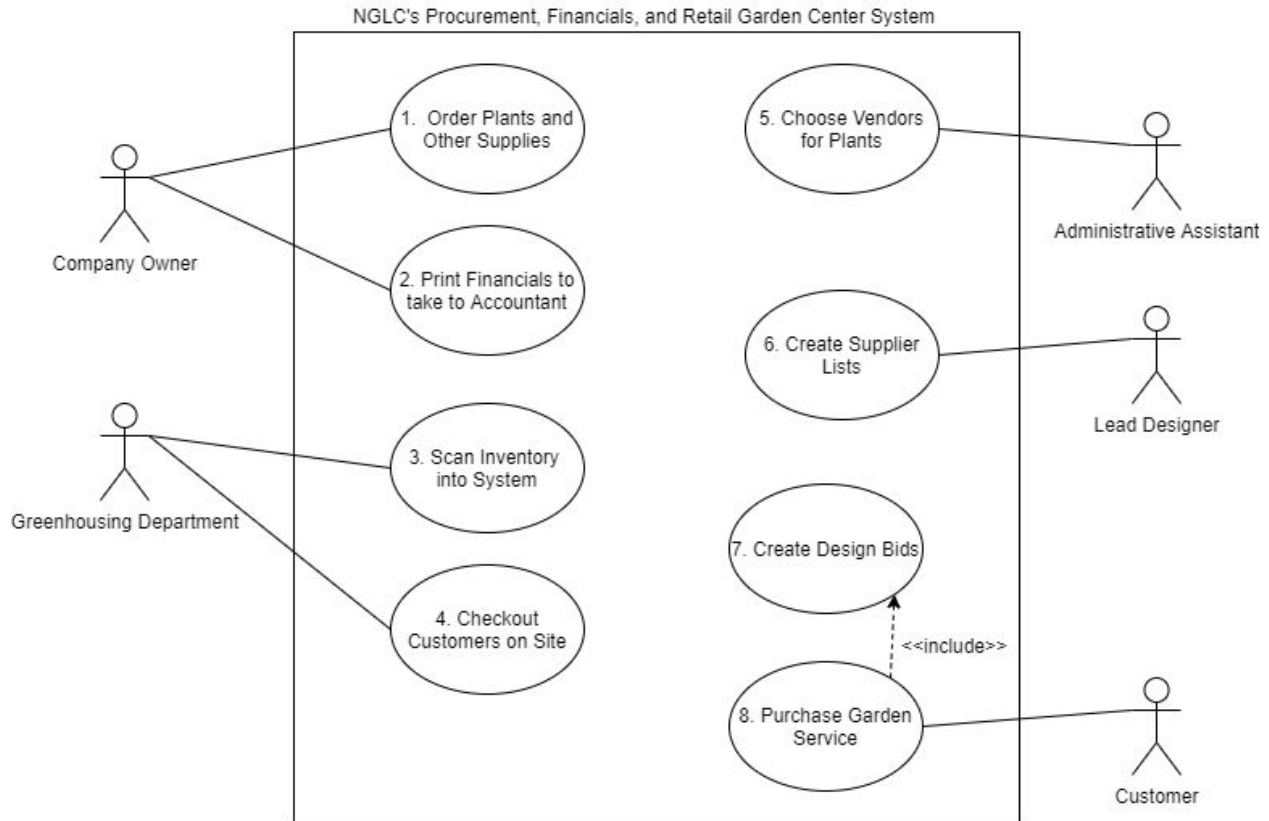
Our team is confident that we are the best team for the job and can ensure the desired system meets your requirements and expectations. Our main goal is to create an agile system that will reduce around 62% of paper usage. In our diagrams we have arranged functions within the inventory process to avoid making miscalculations. Designers will be able to work freely and not have to worry about making calculations manually. The inventory system will incorporate a scanning feature that will allow staff to account for inventory received, sold, or in use. When inventory reaches a certain number, management will receive a notification and they can restock on the specific item if desired. Another addition to the system will be self-checkout/mobile check-out. This feature will ensure a paperless and speedy checkout.

Again, it was a pleasure meeting with you yesterday. Our team is eager to begin collaborating to deliver a quality solution that has the ability to transform your business and position NGLC for future success. We hope this document fulfills your business needs and we look forward to hearing back from you.

Thank You,

LPM Consulting

Use Case Diagram



Use Case Descriptions

1. Order Plants and Other Supplies

- a. Primary Actor: Company Owner
- b. Stakeholders: Company Owner, Greenhousing Dept.
- c. Description: The company owner will be notified that the inventory is low on the respective product(s). The company owner will log into the company database and select the inventory list from the menu. The system will display the inventory in order of the least stocked product to the most stocked product. The company owner will then select the item that will be ordered, the amount needed, and the supplier it will be ordered from. This process will be repeated for each item being ordered.
- d. Trigger: Company Owner, External

2. Print Financials to take to Accountant

- a. Primary Actor: Company Owner
- b. Stakeholders: Company Owner, Greenhousing Dept., Accountant
- c. Description: The company owner will log into the company database and select the inventory list from the menu. The system will display the items and the financial information that applies to each item. The system will include the profit/losses, revenue, and points of sale from each item which will be put into reports created by the system. The company owner will compile a financial report that will consist of the financial documents the system creates . The company owner will compile the company's balance sheets and financial statements. The company owner will compile the financial information when necessary and will give it to the accountant.
- d. Trigger: Company Owner, External

3. Scan Inventory into System

- a. Primary Actor: Greenhouse Department
- b. Stakeholders: Greenhouse Department, Company Owner
- c. Description: The greenhouse department scans each piece of inventory that is brought into the warehouse with a portable device. The system will process the inventory as follows:
 - i. Sort each item by its ID
 - ii. Display the amount available
 - iii. Item's financial information
 - iv. Display a photograph of the item

The greenhouse department will check the inventory list to make sure that it is correct.
- d. Trigger: Greenhouse Department, External

4. Checkout Customers On Site

- a. Primary Actor: Greenhousing Department
- b. Stakeholders: Company Owner, Greenhousing Dept., Administrative Assistant
- c. Description: At our greenhouse site, customers may hand pick which plants they would like to purchase. The customers may bring their items to a checkout station or checkout with a greenhouse worker on the worker's mobile device. The worker's mobile devices will have the ability to complete checkouts on the inventory floor after the new system is implemented. When each item is scanned for checkout, the system will automatically update the number in inventory after the purchase is complete. The amount of sales will be updated in the financial records as well. The receipt from the transaction will be emailed to the customer.
- d. Trigger: External customer, this event occurs when a customer is ready to purchase plants.

5. Choose Plant Vendors

- a. Primary Actor: Administrative Assistant
- b. Stakeholders: Administrative Assistant, Company Owner, Greenhousing Dept., Lead Designer
- c. Description: The administrative assistant will choose a vendor from a list of current suppliers. The system will display the types of plants this vendor can supply. The administrative assistant will then choose which plants will be purchased from the vendor and the date they will be delivered. The process is then repeated until all required plants are supplied.
- d. Trigger: This process occurs when there is a need to restock inventory.

6. Create Supplier List

- a. Primary Actor: Lead Designer
- b. Stakeholders: Company Owner, Greenhousing Department
- c. Description: The lead designer prepares a list based on their knowledge of which suppliers should be used for which plants. This list is compiled once a year and then given to the company owner.
- d. Trigger: Internal, annual need

7. Create Design Bids

- a. Primary Actor: Designer
- b. Stakeholders: Administrative Assistant, Company Owner, Greenhousing Department
- c. Description: The designer(s) prepare a written Design Bid that contains the description of the project, lists the needed plants/materials, and a detailed estimate of the labor costs
- d. Trigger: Internal, customer purchases a service

8. Purchase Garden Service

- a. Primary Actor: Customer
- b. Stakeholders: Customer, Designers, Greenhousing department, Company Owner
- c. Description: Customers may contact NGLC to request a garden service. The customer may choose plants and other supplies to be used in their garden service in which the designers will create design bids for (see #7).
- d. Trigger: External, Customer makes a service request