

Project Plan

Green Thumb Lawn Service

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# Overview

The software development plan will provide an overview of the requirements, breadth, schedule, and tasks for building and deploying the Green Thumb Lawn Service System (GTLSS). The software project document will provide a detailed description of the project assumptions, required resources, and deliverables schedule.

* 1. **Project Summary**
     1. **Purpose, Scope, and Objectives**

The objective of GTLSS suite is to provide a robust cloud-based software that helps increase efficiency of resources, optimize time management, and increase customer satisfaction. The software package will provide a customize pricing of services and products, inventory management, management of employees and equipment, scheduling for deliveries and services, and financial transaction for services and products rendered. By implementing the software package, business will reduce the rate of personal consultations, increase efficiency of resources and scheduling.

The scope of the project will entail building of a cloud-based Ecommerce website with functionality to scheduling and resource management for the business along allowing customer scheduling and payment for services and products. Out-of-Scope of the development plan would be providing; a hourly schedule for employees and equipment, login in capabilities for all employees, allowing customers to customize times for services and deliveries, and web hosting/ or secure VPN.

As the objectives of the GTLSS is to increase efficiency of resources and time for the business. The result for the business will be; increased revenue, a reduction of expense costs, and be more efficient in allocating resources. The software package will increase customer satisfaction by eliminating the need of the personal consultation, the ability to purchase landscaping supplies, and customize service and delivery dates.

The product for delivery should include:

1. Software package consists of:
2. Ecommerce Website
3. Services (Purchase)
4. Landscaping supplies (Purchase)
5. Landscaping Tips
6. About Us
7. Contact Page
8. Checkout

b. Employee Database

c. Equipment Database

d. Inventory management

e. Calendar Management with confirmation of employee and equipment availability

2. User guide and manual for the (CEO, inventory manager, and Bookkeeper)

3. Quick use pamphlet

A successful implementation of the new Ecommerce website for GTLSS will be determined by satisfaction of both the client and the customer base on usability and efficiency.

A list of product requirements will be available in the GTLSS Software Requirements Specification, version 1.0.

**1.1.2Assumption and Constraints**

For the implementation of the cloud-based software package, the client will be held responsible for obtaining web hosting for the site/ or secure VPN, hardware such as desktops or laptops to access applications within the software for the purpose of updating database information on inventory availability and employee and equipment allocation such as the addition/resignation of employees or increase/reduction of equipment. Due to time constraints, the implementation will also not be able provide employee login to update availability, create an efficient routing system to maximize on efficiency, and provide functionality for equipment management due to servicing.

Assumptions for the GTLSS is by producing a cloud-based application, clients will have unlimited access to the software package, by developing the site in HTML, CSS, JavaScript, and SQL, the software can be implemented across most operating platforms, browsers, and media devices. An assumption will be made that the development will access free and open-source software to accelerate development and make use of libraries for specific functions (such as database connectivity). The use of databases within the software package, will require testing to ensure the relational database management systems (RDMS) can integrate within the site map of website.

Interfaces with other software and required acquisitions of software (FOSS-driven) are not applicable for the GTLSS software package.

* + 1. **Project Deliverables**

The Project deliverables for the GTLSS will be focused on the following:

1. Software package consisting of:
2. Ecommerce Website (6 Pages of content)
3. Services (Purchase)
4. Mowing (Categorized by size of Lot Small, Medium, Large)
5. Tree Trimming (Categorized by number of trees small, medium, large)
6. Shrub trimming (Categorized by number small, medium, large)
7. Spring clean-up (Categorized by size of Lot small, medium, large)
8. Fall clean-up (Categorized by size of Lot small, medium, large)
9. Snow removal (Categorized by number of sidewalks and size of driveway (number of cars)
10. Fertilization of lawn (Categorized by size of lot small, medium, large)
11. Tree and Shrub Fertilization (Categorized by number of trees and shrubs)
12. Landscaping supplies (Purchase)
13. Plants
14. Perennials (Packages of 2, 4, 8)
15. Annuals (Packages of 8, 12 ,16)
16. Vegetables (Packages of 2 & 4)
17. Mulch
18. Three kinds (Cheap to expensive with three different color choices red, black, and brown and only one size)
19. Fertilizer
20. Three kinds (Cheap to expensive with only one size for plants and vegetables)
21. Three kinds (Cheap to expensive with only one size for trees and shrubs)
22. Soil
23. Three kinds (Cheap to expensive with only one size)

3.Landscaping Tips

1. Best times for planting, fertilization, mowing schedule, tree trimming, fertilization, etc……

4.About Us

1. Company Bio
2. Honored employees
3. Community Service

5.Contact Page

1. Customer form
2. Text box for comments and questions (Emailed to Customer Support)

6.Checkout

1. Itemized list of Services and supplies requested
2. Schedule of delivery date
3. Payment request
4. Confirmation

7.Secure Login (For Admin: CEO, Bookkeeper, and Inventory Manager)

b. Employee Database

c. Equipment Database

d. Inventory management

e. Calendar Management with confirmation of employee and equipment availability

The software package of GTLSS will be a cloud-based application executed in HTML, CSS, JavaScript, and SQL which will allow the application to be hosted across all browsers and media devices. The software package’s user guide will be provided via download.

**1.1.4. Project Plan**

The Project Plan which includes the workflow diagram will be attached to this documentation.

The development of GTLSS will have no budgetary constraints. The only constraint facing the development of GTLSS will resource allocation and time.

## References

The GTLSS project management plan consists of the following documents:

1. Software Development Plan – Davison, Trimpin, Sattar, and Woolman
2. Software Requirements Specification – Juhi Sattar
3. Software Design Document – Davison, Trimpin, Sattar, and Woolman
4. Software Testing Specifications – Davison, Trimpin, Sattar, and Woolman