**Green Thumb Lawn Service Project Analysis**

**GitHub**

The link to Green Thumb Lawn Service Repository:

<https://github.com/green-thumbs>

**Executive Summary**

As the SDLC for the agile cloud-based Green Thumb Lawn Service (GTLSS) package has moved along quickly in the last four weeks with the documentation of the Project Plan, Project Test Plan, User Guide, and the Project Design Plan, our team has moved on to the development stage of project. In the last week, due to discussions and deeper project analysis, our team has decided to reduce the scope of the project by consolidating two site pages, the Services and Landscaping Supplies pages, to one for the purpose of creating easier querying from the DBMS along with reducing the number of Services and Products being offered. Based on recommendation from Professor Howard, our team has re-evaluated the scope of the project and, on approval from professor, will remove Calendar (scheduling of services) and Admin Portal (management of the business-related database) features due to the time restrictions and loss of a team member. The assumption will be made that the business-related database already exists and populated with inventory, employees, and equipment, therefore functional Admin Portal feature will be out-of-scope for this project. With those decisions made, Phase 1 SDLC for GTLSS package has been moving quickly and on time with the development of the skeleton pages completed along with functionality for navigation bar, email composition, and other smaller features such as a back to top button and a sliding picture container on the Home page. Our team is maintaining the rigorous schedule with positive attitude moving into week 2 of development. The following team members have contributed this week to development stage:

* **Michelle Trimpin**- Development of skeleton for the Landscaping Tips and About Us pages in HTML/CSS. Research and data collection on the content information and images for week 2 milestones along researching the functionality for the Contact page such as form creation and link to Green Thumb Lawn Service’s email composition page.
* **Juhi Sattar**- Development of skeleton for the Index and Cart pages in HTML/CSS along with creating of the initial site design that will be used throughout all web pages. Research and data collection on the content information and images for week 2 milestones along with creating functionality for Cart page with submit buttons and form development for customer input.
* **Kristina Woolman**- Development of skeleton for the Services and Products, Contact, and Admin login pages along with writing of SQL script for generating the SQL relational database that hosts data for the website. Research and collection of images and content for the website along with research of the functionality for the Contact page and Services and Products page.

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| Project Change Log for GTLSS | | | | |
| ID | Change Description | Document Changed | Date Revision | Comments |
| 001-P | Change of number of Site Pages | Project Plan | 04/15/2019 | Consolidated Services and Landscaping supplies pages into one new Services and Products page. |
| 002-P | Change of number of Services and Products offered | Project Plan | 04/15/2019 | Reduced offered items for Services and Products. |
| 003-P | Renaming of Checkout page | Project Plan | 04/15/2019 | Changed name of Checkout page to Cart page. |
| 004-P | Removal of Team Member | Project Plan | 04/15/2019 | Removed Paul Davison from: Internal Organizational chart on page 10,  Table 1: Matrix of work roles and Responsibilities on pages 11-12, and  5.1 Development Schedule and work allocation spreadsheet on page 13. |
| 005-P | Addition of tools and methods to 6.2 Methods, tools, and Techniques on pages 15-16 | Project Plan | 04/15/2019 | Added more tools and methods:   * Servlet and Java Server Pages (JSP) Technologies * Enterprise JavaBeans (EJB) Technology * Java Persistence API (JPA) * Java Server Pages Standard library (JTSL) * Java Database connectivity (JDBC) |
| 006-P | Change of diagram for Site Plan | Project Plan | 04/15/2019 | Addendum C: Site Plan - Converted Services page and Landscaping Supplies page to Services and Product page; renamed Checkout page to Cart page. (page 18) |
| 001-T | Removal of Inventory Data | Project Test Plan | 04/15/2019 | Reduced Inventory data by only offering 3 kinds of services by size and 9 products. |
| 002-T | Removal of Test Cases | Project Test Plan | 04/15/2019 | Removed test cases for product page, have the product page merged with the service page creating a new Service and Products page. Test Cases: 4.1.9 and 4.1.11. |
| 003-T | Removal of site page Landscaping supplies page | Project Test Plan | 04/15/2019 | Changed any references to Landscaping supplies page to Service and Products page in the test cases. Test cases: 4.1.2,4.1.3,4.1.4,4.1.5,4.1.14,4.1.15. |