

Berkshire Gardens Landscaping

Introduction:

A case study of ecommerce landscaping services website for US based clients.

Problem:

This site requires complete automation of required member registration, order service, contractor assignment, order assignment, order processing, online payment and MIS reports.

This is US based site offers lawn moving services to residents of selected communities. The sales team here will enlist "communities" by talking to individual house owners of the community. These owners will go to our site and become members. Periodically, when they need the lawn moving service, they just need to visit our site and "Order" our services.

Solution:

A member has to be registered providing his personal info at site. An e-mail of confirming membership with membership id/user id /password is sent to member and admin. After member login, he can schedule the service, order and make payments. Pay pal payment gateway is used for online payment service. Each member belongs to a community which is selected by the member during registration. Berkshire serves as the contractor. After Contractor login he can see and print the reports for the list of clients to be served in a community of that day and in specified date range. Contractor can login to choose the date.

Admin can see the list of orders along with service date, member name, community, address and status. He can change the status of the order as completed after service is performed. A mail is sent to member of order performed confirmation.

Admin also has following functionality:

a) Manage Community:

Admin can manage resident communities for addition, deletion and listing

b) Manage Calendar:

Admin can add service order on event.

c) Manage Package:

Admin can manage the price packages for addition, listing and for searching.

d) Manage Order:

Orders are managed by admin for listing in selected dates.

e) Manage Services:

Services type can be added, deleted and listed.

f) Manage Profile:

Manage the personal profile of the clients and can be edited the profile.



There are some details of different services provided by Berkshire. Landscape and lawn maintenance contracts allow customers to receive several services like Mowing, Edging, Trimming, Clean-up, Beds, Trees, Leaf Removal, Shrubs, Ground Cover, Irrigation System.

Technical Detail:

Technology Used:

Software/Tool:

- PHP
- MySQL

Platform:

Windows

In this web application PHP was used for developing this application. MySQL was used as DBMS. The following section discusses each of these layers in detail.

- **Presentation Layer:** This is a front-end component, which is responsible for providing portable presentation logic. Since the client is freed of application layer tasks, which eliminates the need for powerful client technology. PHP pages and documents.
- **Business Logic Layer:** Allows users to share and control business logic by isolating it from the other layers of the application. The business layer functions between the presentation layer and data access logic layers, sending the client's data requests to the database layer through the data access layer.
- **Data Access Logic Layer:** Provides access to the database by executing a set of SQL statements or stored procedures. This is where we write generic methods to interface with data.
- **Database Layer:** Made up of a RDBMS database component such as MySQL that provides the mechanism to store and retrieve data. The customer has plans to explore using MySQL.

Benefits:

Site offers mainly online payment benefits and service booking and administrator functions are automatic

- 1) Member can order service online.
- 2) Contractor can get the order list.
- 3) Member can see the calendar for selecting the date for service.
- 4) Member can renew his membership for the given period.
- 5) Member can pay for the service online.