

Arboretum Guide

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Project Description

- What is an Arboretum
- SNC Arboretum



Requirements

- Administrator Component
- Interactive Map
- POI's
- Search Capability
- Guided/Self Tour
- Layering of different types of locations
- Related Sites
- Mobile App

Solution

- Illustrated map of campus
- Overlay - Glow Library





Solution Cont.

- Self Tour
- Location Results

Arboretum Tour
St. Norbert College

Self Tour | Guided Tour | Search | Add/Delete

Shakespeare Garden

#	ID	Specie	Location	Date	Designation	Family	Genus	Picture
1	47	Maple	Shakespeare Garden	2000	None	None	None	
2	48	Oak	Shakespeare Garden	1995	Memorial to John Doe	None	None	

Solution Cont.

- Search Engine



The screenshot shows a web interface for an "Arboretum Tour" at St. Norbert College. The page has a dark green background with a lighter green header area. The header contains the text "Arboretum Tour" in a large, stylized font, with "St. Norbert College" underneath it in a smaller font. Below the header is a navigation bar with four buttons: "Self Tour", "Guided Tour", "Search", and "Add/Delete". The "Search" button is highlighted. Below the navigation bar, the text "Choose Search Type:" is followed by a dropdown menu showing "Location". Below that, the text "Enter Search Term:" is followed by a white input field. A "Search" button is located below the input field.

Arboretum Tour
St. Norbert College

Self Tour | Guided Tour | Search | Add/Delete

Choose Search Type:
Location ▾

Enter Search Term:

Search

Search Result

Arboretum | our
St. Norbert College

Self Tour | Guided Tour | Search | Add/Delete

Number of results found: 2

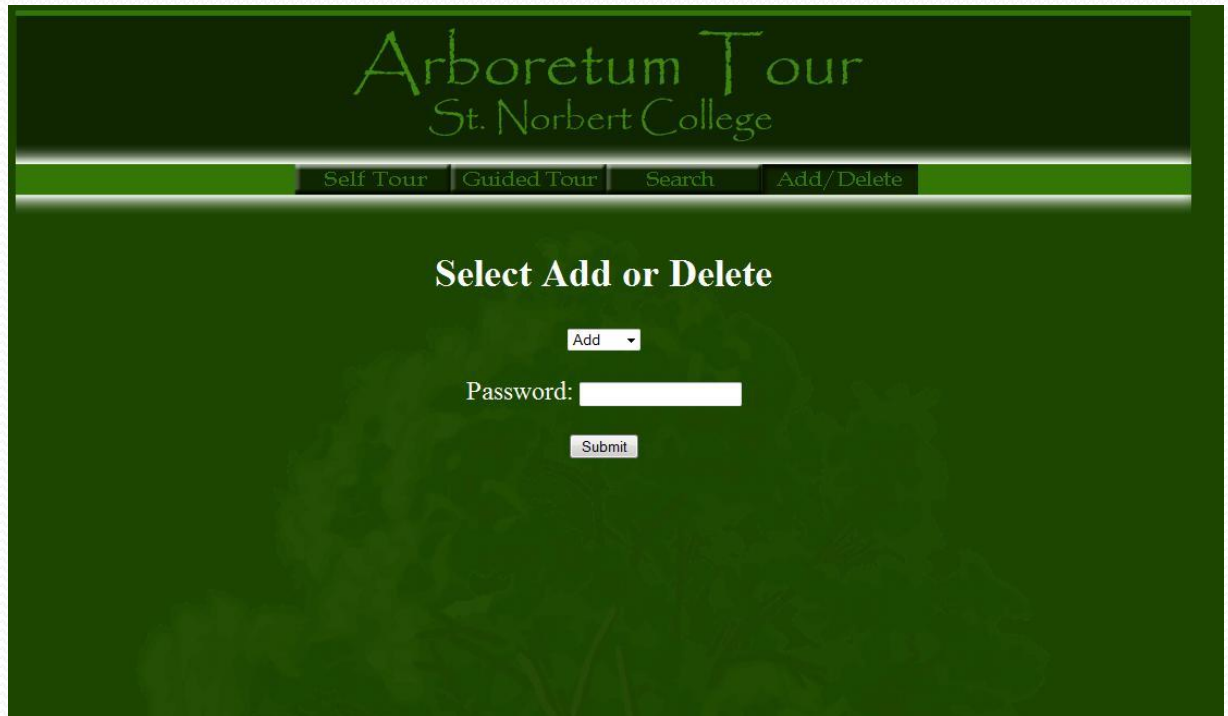
1. ID: 47
Specie: Maple
Location: Shakespeare Garden
Date Planted: 2000
Special Designation: None
Family: None
Genus: None

Picture: 

2. ID: 48
Specie: Oak
Location: Shakespeare Garden

Solution Cont.

- Guided Tour
- Add/Delete from database
 - Administrator



The screenshot displays the 'Arboretum Tour' website for St. Norbert College. The header features the title 'Arboretum Tour' and 'St. Norbert College' in a green, stylized font. Below the header is a navigation bar with four buttons: 'Self Tour', 'Guided Tour', 'Search', and 'Add/Delete'. The 'Add/Delete' button is highlighted. The main content area is titled 'Select Add or Delete' and contains a dropdown menu with 'Add' selected, a 'Password:' label followed by a text input field, and a 'Submit' button.

Arboretum Tour
St. Norbert College

Self Tour | Guided Tour | Search | Add/Delete

Select Add or Delete

Add ▾

Password:

Submit

Add/Delete Record

Arboretum Tour
St. Norbert College

Self Tour | Guided Tour | Search | Add/Delete

Specie:

Location:

Date Planted:




Special Designation:

Family:

Genus:

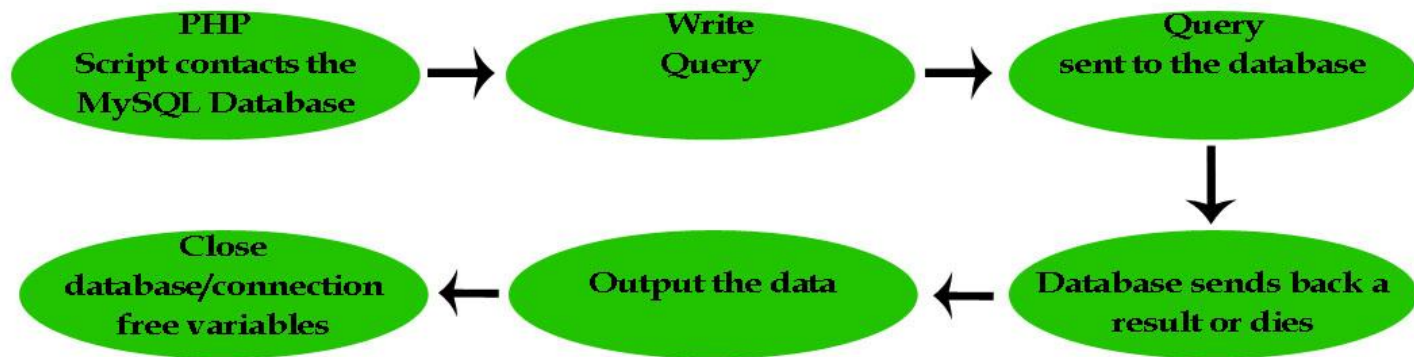
Picture:
(JPEG or GIF only/200px x 200px)

PICK A TREE TO DELETE

#	ID	Specie	Location	Date	Designation	Family	Genus	Picture	Action
1	47	Maple	Shakespeare Garden	2000	None	None	None		<input type="button" value="Delete"/>
2	48	Oak	Shakespeare Garden	1995	Memorial to John Doe	None	None		<input type="button" value="Delete"/>
3	49	Pine	Main Hall	1998	None	None	None		<input type="button" value="Delete"/>

Solution Cont.

- MySQL database
- PHP



Exceptions

- Layering of different types
- Mobile App
- Image Use

Plan of Attack

- Design – Basic layout of website
- Research ways to store information
- Contact past students for ideas/help
- Decide a programming language
- Dive in – Trial and Error

Demo

- Tour
- Search
- Add/Delete

Strategies

- Learn Basics of PHP/MySQL
- Trial and Error
- Code Reuse
- Books
- Google!

Knowledge

- Multiple Programming Languages
- Design concepts
- Work Experience

Additions to the Project

- Revamp the security of the database
- Image use
- Add/Delete Locations
- Consolidate forms

Advice

- Start brainstorming ideas early
- Don't Procrastinate
- Visit with the professors
- Don't be afraid to jump in without knowing what you are doing
- Ask questions – use your resources (classmates, past students)
- Don't take a 10-day trip to Europe
 - Actually do it, it was awesome

Questions or Comments?

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