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
Solution Cont.

- Search Engine
Search Result

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
Add/Delete Record

### Add/Delete Record Example

#### Arboretum Tour
**St. Norbert College**

<table>
<thead>
<tr>
<th>#</th>
<th>ID.</th>
<th>Specie</th>
<th>Location</th>
<th>Date</th>
<th>Designation</th>
<th>Family</th>
<th>Genus</th>
<th>Picture</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>47</td>
<td>Maple</td>
<td>Shakespeare Garden</td>
<td>2000</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td><img src="image1" alt="Maple" /></td>
<td>Delete</td>
</tr>
<tr>
<td>2</td>
<td>48</td>
<td>Oak</td>
<td>Shakespeare Garden</td>
<td>1995</td>
<td>Memorial to John Doe</td>
<td>None</td>
<td>None</td>
<td><img src="image2" alt="Oak" /></td>
<td>Delete</td>
</tr>
<tr>
<td>3</td>
<td>49</td>
<td>Pine</td>
<td>Main Hall</td>
<td>1998</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td><img src="image3" alt="Pine" /></td>
<td>Delete</td>
</tr>
</tbody>
</table>
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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