CSCI 3308 Project Milestone 1

- Team Number: 105-7
- Team Name: Garden Gurus
- Team Members
    - Nathan Henault
    - David Gao
    - James Burke
    - Trevor Lana
    - Shiyue Zhang
- Application Name: Botanizer
- Application Description
    - A website which allows users to search for a plant by name and returns information on how to care for it. Plants will be identified by both common and scientific names, so that users can search by either, and will return a list of all potential matches. The information included will involve light, watering, temperature, humidity, and pH/nutrient requirements for the plant searched by the user. The goal of this project is to provide a central location where gardeners can go to learn how to care for their plants.

      If this baseline goal is met before the end of the project, we have a variety of extra features we would like to add to the project. The first addition we would like to make is the addition of a secondary image database which would allow us to pair images of each plant with its information. The second addition we would like to add is the ability to search for plants based on care instructions, for example searching for plants which thrive in darker or colder environments. This second addition would help us implement our third additional feature, which is a survey which helps pair a user with a plant based on where they would like to grow it. The fourth addition we would like to add is a section of the website which helps users troubleshoot growing problems to help them identify reasons their plants are wilting, browning, or dying. Our final additional feature is a forum, in which users can post questions about their plants and get feedback from other users who have experience with their issues.
- Vision Statement: For plant lovers who desire extensive care for their plants, Botanizer is a website that provides effortless access to information on a variety of plants. Unlike other forums such as Reddit or Facebook pages, our product is more searchable, organized, and reliable.
- Version Control
    - Team Meeting Logs: https://github.com/nhenault/CSCI_3308_Team_105-7_Meeting_Logs

- Milestone Submissions: https://github.com/nhenault/CSCI_3308_Team_105-7_Milestone_Submissions
- Project Code: https://github.com/nhenault/CSCI_3308_Team_105-7_Project_Code
- Screenshot of email sent to TA with links to each repository

CSCI 3308 Team 105-7 GitHub Repository Links

Nathan Henault <Nathan.Henault@colorado.edu>
to keval.shah

Hello Keval,

Here are the links to the three GitHub repositories we made during the CSCI 3308 Project Milestone 1 assignment.

Team Meeting Logs: https://github.com/nhenault/CSCI_3308_Team_105-7_Meeting_Logs
Milestone Submissions: https://github.com/nhenault/CSCI_3308_Team_105-7_Milestone_Submissions
Project Code: https://github.com/nhenault/CSCI_3308_Team_105-7_Project_Code

Let us know if you need anything else,
Team 105-7
Nathan Henault
David Gao
Shiyue Zhang
James Burke
Trevor Lana

- Development Method
  - We will be using a modified version of the Agile development method. Our implementation will not involve daily standup meetings and will be centered around 2 week sprints. During each sprint, each team member will be assigned a task to complete over the course of the two weeks. Our weekly meeting during the middle of a sprint will be used to update the team on individual progress, our weekly meeting during the end of a sprint will involve a sprint retrospective and planning the next sprint.
- Communication Plan
  - We will be using a slack workspace with channels for backend, frontend, and linking. This will make it easy to keep conversations focused on the topics they are related to.
- Proposed Architecture Plan
  - Backend will be a database built with SQL and will contain all care information.
  - Frontend will be a website developed using HTML and CSS.
  - Linking will be done using NodeJS
  - Potential picture database will either link files to existing SQL database or be built with a database tool more optimized for images.

- Meeting Plan
    - Weekly face-to-face meetings from 2-4pm on Sundays in the ITLL.