

Milestone 5 (test plan outline)

Team Number: 1

Team Name: Team Bonsai

App name: Bonsai Buddy

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Write up: Our app Bonsai Buddy's main functions are the creation of unique user accounts and allowing them from their accounts to be able to monitor different attributes of their bonsai tree. The testing plan aims to check the functionality of our login page, registration page, and information page in order to ensure that those vital aspects of our application can handle real world scenarios. We will test each feature using the Mocha testing framework.

Test Scenario 1: Login functionality

Step #	Test Step	Expected Result
1	Enter a user name and password	Able to enter text
2	Verify that user is able to login with valid username and password	Check if username and password are verified in the database
3	Verify that user is not able to login with a invalid username and password	Check if username and password are not verified in the database
4	Verify that the password is in encrypted form when entered	Passport JS is functioning properly
5	Select Login button	Verified username and password in the database and redirects you to the home page
6	The home page is the users unique home page	Home page resets to the specific users homepage

Test Scenario 2: Registration

Step #	Test Step	Expected Result
1	Fill out the registration form	Able to enter test in the text fields
2	Verify the password has a Upper Case letter, a lower case letter, a number, and is more than 7 character	Box border turns green when cases are verified. And the signup button is enabled
3	Verify when the password does not have a Upper Case letter, a lower case letter, a number, and is more than 7 character	Box border turns red when cases are unverified and the signup button stays disabled.
4	Select the Sign Up button	Only works if all the fields are green. Creates new account and stores information in the database. Redirects to login page.
5	Verify the Users account was created	New page is created for the user

Test Scenario 3: Test Graph Functionality

Step #	Test Step	Expected Result
1	Verify the graph is visible	Able to see graph template
2	Verify the graph is connected to the database	Graph shows up to date results of the plants data.
3	Verify its the correct graph for the user	The graph is showing the users unique bonsai information
4	Select an attribute	The given attribute is displayed on the graph
5		