Test Plan

In this test plan we will be writing black box tests to test all the parts of our product

**1. Acceptance Tests**

Definition to be removed later: “In engineering and its various subdisciplines, **acceptance testing** is a **test** conducted to determine if the requirements of a specification or contract are met.”

|  |  |
| --- | --- |
| Requirements of the product | Test Pass Status |
| User can create an account |  |
| User can register devices |  |
| User can monitor device usage |  |
|  |  |

2. Golden Path Testing

3. Testing Broken Up by Page

1. Registration
2. Per Field in Registration Form
3. Boundary testing for each field:

* 0 characters
* min # of characters
* min # < x number < max #
* max # of characters
* max # of characters + 1

1. Multiple Users
2. Two users giving the same email? Should we have a confirmation email?
3. Two users giving all the same information?
4. Are we saving sensitive information in cookies?
5. Invalid data types
6. Letters inside of phone number. Expected: fail.
7. Parentheses inside of phone number. Expected: pass. Should we place a limit on the numbers allowed in the phone number so that we implicitly exclude parentheses from being in the phone number?
8. Numbers inside of name
9. Missing Fields

* Test that each field is filled in: if there is a missing field, is the error obvious to the user?
* Test what happens if no field is filled in

1. Dashboard
2. Deleting a Device
3. Adding a Device
4. Unplugging a device and seeing an expected response on the Dashboard
5. Plugging in a device and seeing an expected response on the Dashboard
6. Graphs

A. Showing ALL data points. Can Javascript handle this?

1. Login
2. User Settings about Login Information
3. Trying to access a URL for logged in users only by hardcoding it in while NOT logged in.
4. User is logged in, closes browser, opens browser. Is user still logged in? Expected: Yes??
5. User is logged in, shuts down computer, opens browser. Is user still logged in? Expected: Yes
6. User is logged in on browser X, opens browser Y, is user logged in on browser Y? Expected: NO
7. Use cases if User is in public setting, such as a library.
8. Is sensitive data stored on cookies? This could be dangerous, especially since our site is meant to one day turn off appliances.
9. Other