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| **Test ID#** | 1 |
| **Test level** | System (1 of #) |
| **Quality criterion / attribute** | External and Internal Quality: Reliability |
| **Description of test** | A new user attempts to register a user that already exists |
| **Requirements reference** |  |
| **Steps of the test case** | 1. A new user runs the install.py script to begin installation. 2. A test enters ‘testUser’, a username known to exist as the user name they would like to register. 3. A user enters any matching password twice to advance registration. |
| **Expected outcome** | The user receives a message stating that the user name they requested already exists and the user is allowed to start the registration process over again. |
| **Actual test outcome** | Expected behavior happens. |
| **Pass/Fail** | Pass |
| **Defect(s)** | Standardized failure messages do not exist. |

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| **Test ID#** | 2 |
| **Test level** | System (2 of #) |
| **Quality criterion / attribute** | External and Internal Quality: Portability |
| **Description of test** | A new user is able to complete install and setup on a Raspberry Zero instead of a Raspberry Pi B+ |
| **Requirements reference** |  |
| **Steps of the test case** | 1. A new user downloads and extracts the Smart Gardens piDir zip file to their home directory. 2. The user runs the install.py script using the following command: *sudo python setup.py* 3. The user completes the user registration 4. The user completes Garden and sensor setup 5. The user completes the job scheduler setup 6. The user takes readings using the command: *sudo python takeReadings.py* |
| **Expected outcome** | The user will be able to complete the install of the Smart Gardens software regardless of the Pi Model (A, B, 2, 3, or Nano) so long as their OS is Raspbian. |
| **Actual test outcome** | N/A |
| **Pass/Fail** | N/A |
| **Defect(s)** | N/A |