**Dream Team**

**Dream Team Calendar**

**Test Plan**

***Revision History***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Authors** | **Description of Change** | **Sections** | **Rev** | **Date** |
| Henry Yang, Michael Perez, Eric Guzman | Initial Document | All | O | 4/10/18 |
| Eric Guzman, Michael Perez, Henry Yang | Addition of several test definitions, updated formatting | 2.2 | 1 | 4/12/18 |
| Michael Perez | Added all of the other tests, finalized formatting | All | 2 | 4/15/18 |
| Michael Perez | Accommodated for changed written requirements | All | 3 | 4/21/18 |

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# 

# Team Description

|  |  |
| --- | --- |
| **Team Member Name** | **Email Address** |
| Eric Guzman | eg70889@csu.fullerton.edu |
| Adam Weesner | klaviam@gmail.com |
| Jesus Rodriguez | jrjssrdgz@csu.fullerton.edu |
| Michael Perez | mperez980089@yahoo.com |
| Henry Yang | hkyang@csu.fullerton.edu |

# Test Description

The description of the test includes the testing platform, testing definitions, and verification cross reference matrix.

## Test Platform / Hardware / Environment

For our test platform, we are using Linux/Ubuntu as our main operating system. The software will run on Windows, though it will not be optimized. The code will be compiled within the Qt IDE.

## Test Definition

### Test 1: Display User Interface Test

Requirements Tested: REQ-0001, REQ-0002, REQ-0003, REQ-0004, REQ-0005

Description: This test demonstrates the process of correctly displaying the user interface when the application starts up.

### Test 2: Set Blocks Test

Requirements Tested: REQ-0006, REQ-0007, REQ-0008, REQ-0009, REQ-0011, REQ-0012, REQ-0013, REQ-0014

Description: This test demonstrates the ability for the user to set Blocks as either Unavailable Blocks or Free Time Blocks. This test also takes into account error cases.

### Test 2: Create and Modify Task Test

Requirements Tested: REQ-0015, REQ-0016, REQ-0017, REQ-0018, REQ-0019, REQ-0020, REQ-0021, REQ-0022, REQ-0023, REQ-0024

Description: This test demonstrates the process of creating a Task by entering the Name, Description, Due Date, and Estimated Time to Completion values. This test also demonstrates the ability to modify those values while the Task is in the Unassigned Tasks list.

### Test 4: Assign/Unassign Task to Calendar Test

Requirements Tested: REQ-0010, REQ-0025, REQ-0026, REQ-0027, REQ-0028, REQ-0029, REQ-0030, REQ-0031, REQ-0032

Description: This test demonstrates the ability to assign a Task from the Unassigned Tasks list to the Calendar, as well as the ability to then unassign that Task. The test also takes error handling into account.

### Test 5: Delete Assigned/Unassigned Task Test

Requirements Tested: REQ-0033, REQ-0034, REQ-0035

Description: This test demonstrates the ability to delete an Assigned Task, as well as an Unassigned Task.

## Verification Cross Reference Matrix

|  |  |
| --- | --- |
| **Requirement Identifier** | **Where Tested** |
| REQ-0001 | Test 1 |
| REQ-0002 | Test 1 |
| REQ-0003 | Test 1 |
| REQ-0004 | Test 1 |
| REQ-0005 | Test 1 |
| REQ-0006 | Test 2 |
| REQ-0007 | Test 2 |
| REQ-0008 | Test 2 |
| REQ-0009 | Test 2 |
| REQ-0010 | Test 4 |
| REQ-0011 | Test 2 |
| REQ-0012 | Test 2 |
| REQ-0013 | Test 2 |
| REQ-0014 | Test 2 |
| REQ-0015 | Test 3 |
| REQ-0016 | Test 3 |
| REQ-0017 | Test 3 |
| REQ-0018 | Test 3 |
| REQ-0019 | Test 3 |
| REQ-0020 | Test 3 |
| REQ-0021 | Test 3 |
| REQ-0022 | Test 3 |
| REQ-0023 | Test 3 |
| REQ-0024 | Test 3 |
| REQ-0025 | Test 4 |
| REQ-0026 | Test 4 |
| REQ-0027 | Test 4 |
| REQ-0028 | Test 4 |
| REQ-0029 | Test 4 |
| REQ-0030 | Test 4 |
| REQ-0031 | Test 4 |
| REQ-0032 | Test 4 |
| REQ-0033 | Test 5 |
| REQ-0034 | Test 5 |
| REQ-0035 | Test 5 |