**Dream Team**

**Dream Team Calendar**

**Test Procedure**

***Revision History***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Authors** | **Description of Change** | **Sections** | **Rev** | **Date** |
| Henry Yang, Michael Perez | Initial Document |  | 0 | 4/17/18 |
| Henry Yang | Created test procedures 1-3 |  | 1 | 4/18/18 |
| Michael Perez, Eric Guzman,  Jesus Rodriguez | Created test procedures 4-8 |  | 2 | 4/21/18 |
| Michael Perez | Updated test procedures to reflect modified requirements |  | 3 | 4/29/18 |

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# Team Description

|  |  |
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# Introduction

The Smart Calendar allows a user to plan their schedule with a graphical interface.

This application will:

* Allow the user to enter their free time on a weekly basis
* Allow the user to schedule Tasks to complete during their free time
* Sort the user’s Tasks based on an algorithm of their choice
* Remind the user of their upcoming Tasks’ deadlines

## Identification

|  |  |
| --- | --- |
| **Requirement Document Tested:** |  |
| **Requirement Document Revision:** |  |
| **Revision Release Date:** |  |

# Test Procedures

## Display User Interface Test

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

Preconditions: None

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Start up the application | Application window opens up.  The list of Unassigned Tasks is displayed on the right side of the window.  The list of Assigned Tasks is displayed to the left of the Unassigned Tasks.  The Calendar is displayed on the left side of the screen.  The Calendar displays the current week at the top.  All Blocks on the Calendar are displayed in hour long segments. | REQ-0001  REQ-0002  REQ-0003  REQ-0005  REQ-0004 |

## Set Blocks Test

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

Preconditions: None

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Press the “Set Unavailable Blocks” button | “Set Unavailable Blocks” window is opened.  The window contains prompts to change the Start Time and End Time for each day. | REQ-0007  REQ-0008 |
| 2 | Under “Tuesday”, select “12:00am” for the Start Time and “11:00pm” for the End Time, and press the “Apply” button | The “Set Unavailable Blocks” window exits.  The Calendar sets the Blocks between 12:00am and 11:00pm on Tuesday as Unavailable Blocks.  The Blocks all have X’s placed in them. | REQ-0006  REQ-0009 |
| 3 | Press the “Set Free Time Blocks” button | “Set Free Time Blocks” window is opened.  The window contains prompts to change the Start Time and End Time for each day. | REQ-0012  REQ-0013 |
| 4 | Under “Tuesday”, select “6:00pm” for the Start Time and “5:00pm” for the End Time, and press the “Apply” button | A message pops up stating that the Start Time cannot be after the End Time. | REQ-0014 |
| 6 | Under “Tuesday”, select “12:00pm” for the Start Time and “8:00pm” for the End Time, and press the “Apply” button | The “Set Free Time Blocks” window exits.  The Calendar sets the Blocks between 12:00pm and 8:00pm on Tuesday as Free Time Blocks. | REQ-0011 |

## Create and Modify Task Test

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.

Preconditions: None

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Press the “Add Task” button | “Add Task” window is opened.  The window contains fields for the following Task properties:   * Name * Description * Due Date * Estimated Time to Completion | REQ-0016  REQ-0017  REQ-0018  REQ-0019 |
| 2 | Enter the following into the fields:  Name: Test  Description: This is a sample Task  Due Date: Tuesday 2:00pm  Estimated Time to Completion: 3 hours | All of the fields display the entered information. |  |
| 3 | Press “Create Task” button | The ”Add Task” window exits, and the Task is created.  The Task is automatically placed into the Unassigned Tasks list. | REQ-0015  REQ-0020 |
| 4 | In the Unassigned List, select the Task’s Name field and make it empty | The Task’s Name is now empty. | REQ-0021 |
| 5 | In the Unassigned List, select the Task’s Description field and change it to ”This sample is now updated” | The Task’s Description is changed to “This sample is now updated”. | REQ-0022 |
| 6 | In the Unassigned List, select the Task’s Due Date field and make it empty | The Task’s Due Date is now empty. | REQ-0023 |
| 7 | In the Unassigned list, select the Task’s Estimated Time to Completion field and change it to 0 hours | The Task’s Estimated Time to Completion is changed to 0 hours. | REQ-0024 |

## Assign/Unassign Task to Calendar Test

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.

Preconditions:

1. Blocks 12:00pm to 8:00pm on Tuesday are Free Time Blocks.
2. The Task from the last test is correctly defined.
3. The system time is currently 2:00pm.

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Select the Unassigned Task from the list and press the “Assign” button | A message pops up stating that the mandatory Name field is missing an entry, and that they must go add one. | REQ-0027 |
| 2 | Select the Task’s Name field and set it to “Do Homework” | The Task’s Name is now “Do Homework”. |  |
| 3 | Select the Unassigned Task from the list and press the “Assign” button | A message pops up stating that the mandatory Due Date field is missing an entry, and that they must go add one. | REQ-0028 |
| 4 | Select the Task’s Due Date field and set it to Tuesday 3:00pm | The Task’s Due Date is now Tuesday 3:00pm. |  |
| 5 | Select the Unassigned Task from the list and press the “Assign” button | A message pops up stating that the mandatory Estimated Time to Completion field is 0, and that they must go make it greater than 0. | REQ-0029 |
| 6 | Select the Task’s Estimated Time to Completion field and set it to 2 hours | The Task’s Estimated Time to Completion is now 2 hours. |  |
| 7 | Select the Unassigned Task from the list and press the “Assign” button | A message pops up stating that the Estimated Time to Completion is greater than the remaining amount of Free Time before the Due Date, and that they either need to extend the Due Date or shorten the Estimated Time to Completion. | REQ-0030 |
| 8 | Select the Task’s Due Date field and set it to Tuesday 5:00pm | The Task’s Due Date is now Tuesday 5:00pm. |  |
| 9 | Select the Unassigned Task from the list and press the “Assign” button | The Task is assigned to the Calendar, filling the 2:00pm Block and 3:00pm Block on Tuesday.  The Task is moved from the Unassigned Tasks list to the Assigned Tasks list. | REQ-0025  REQ-0026 |
| 10 | Press the “Set Unavailable Blocks” button | “Set Unavailable Blocks” window is opened. |  |
| 11 | Under “Tuesday”, select “2:00pm” for the Start Time and “3:00pm” for the End Time, and press the “Apply” button | A message pops up stating that a Block cannot be made Unavailable if a Task is currently occupying it. | REQ-0010 |
| 12 | Press the “Back” button | The “Set Unavailable Blocks” window exits. |  |
| 13 | Select the Assigned Task from the list and press the “Unassign” button | The Task is unassigned from the Calendar.  The Task is moved from the Assigned Tasks list to the Unassigned Tasks list. | REQ-0031  REQ-0032 |

## Delete Assigned/Unassigned Task Test

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

Preconditions:

1. The Task from the last test is correctly defined.

|  |  |  |  |
| --- | --- | --- | --- |
| **Step Number** | **Action** | **System Response** | **Requirement Tested**  **(if applicable)** |
| 1 | Select the Task in the Assigned Tasks list, and press the “Delete” button | The Task is removed from the Assigned Tasks list.  The Blocks that the Task was occupying are set to Free Time Blocks. | REQ-0033  REQ-0034 |
| 2 | Press the “Add Task” button, and create a new Task | The new Task is added to the Unassigned Tasks list. |  |
| 3 | Select the Task in the Unassigned Tasks list, and press the “Delete” button. | The Task is removed from the Unassigned Tasks list. | REQ-0035 |

# 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 |