Taskbar Resources

Chart

Description automatically generated

Release: 1.1

Date: December 1, 2021

Submitted By: Morgan Anderson

Email: morgan.anderson2@oit.edu

Signatory Page

This document accepted by:

X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature (Calvin Caldwell) Date

This document analyzed by:

X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature (Morgan Anderson) Date

Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Author | Company | Version | Date | Comments |
| Morgan Anderson | Anderson Software | 1.0 | 10/18/2021 | Initial Draft |
| Morgan Anderson | Anderson Software | 1.1 | 12/1/2021 | Scenario/Diagrams + Cleanup |
|  |  |  |  |  |

Table of Contents

Table

Description automatically generated

# **Context Diagram**



# **Use Case Catalog**

|  |  |  |
| --- | --- | --- |
| Use Case ID | Use Case Name | Description |
| 1000 | Open Settings Application | User launches the settings application |
| 1100 | Display on Taskbar | Display the system resources on the taskbar |
| 1200 | General Settings | Modify the general application settings |
| 1300 | Taskbar Settings | Modify the Taskbar settings for the taskbar |
| 1400 | Profile Settings | Create and save a new profile |
| 1500 | History Settings | Export the user history in an excel document |
| 1600 | About Settings | View the about page and check for updates |
| 2000 | Open Taskbar Application | User launches the taskbar application |
| 2100 | Update Taskbar Values | Update to taskbar resource values |
| 2200 | Update Taskbar Settings | Taskbar gets informed to update its settings |

# **Actor Catalog Table**

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| General User | Person | Standard user operating the computer |
|  |  |  |

# **Feature Verification Matrix**

|  |  |  |
| --- | --- | --- |
| Feature #’s | Use Case ID | Use Case Name |
| 3 | 1000 | Open Settings Application |
| 2 | 1100 | Display on Taskbar |
| 4 | 1200 | General Settings |
| 5 | 1300 | Taskbar Settings |
| 4.3 | 1400 | Profile Settings |
| 6 | 1500 | History Settings |
| 7 | 1600 | About Settings |
| 8 | 2000 | Open Taskbar Application |
| 8 | 2100 | Update Taskbar Values |
| 8 | 2200 | Update Taskbar Settings |

# **Use Case Specifications**

## **Open Settings Application**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 1000 Start Settings Application  Subject Area : User Operation  Description : User starts the settings application. | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 1 | User should be able to start the application to open the configuration. |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 10/18/21 | First Draft |
| Anderson | 12/1/21 | Cleanup |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| Display on Taskbar | UC 200 | At 1 |
| General Settings | UC 300 | At 1 |
| Taskbar Settings | UC 400 | At 1 |
| Profile Settings | UC 500 | At 1 |
| History Settings | UC 600 | At 1 |
| About Settings | UC 700 | At 1 |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer. |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | Application is installed on the user’s computer. |

|  |
| --- |
| **Start Stimulus** |
| User Clicks the application shortcut or double clicks the Taskbar. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | User clicks the shortcut. |  |  |
| 2 | The general settings window is displayed. |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Invalid/Not Compatible OS | Show an error message and close the application. |  |
| Corrupt/Invalid Settings | Warn user and apply default settings. |  |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | Application window is visible on the general settings page. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | Installed on a valid/compatible OS. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | OS is not Windows 10 or incompatible. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent/On Startup |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | Between | 1,2 | Seconds | N/A | N/A | 5 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 1 | Bytes |  |  | 2KB | Application Settings |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **Open Settings Application Scenario**

**User clicks the shortcut**

**The general settings window is displayed**

Application tells settings class to pull, verify, and apply settings from settings config

Application tells profile class to pull and verify all profiles from profile config

Application tells history class to open SQLite file

Application tells hardware class to pull all available system hardware

Application tells display class to load the general settings display layout

Application starts listening for display setting changes

## **Open Settings Application Diagram**

Table

Description automatically generated

## **Display on Taskbar**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 1100 Display on Taskbar  Subject Area : User Operation  Description : User enables taskbar display. | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 1 | User should be able to toggle the Taskbar on and off. |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 10/18/21 | First Draft |
| Anderson | 12/1/21 | Cleanup |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer. |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | The application is running. |

|  |
| --- |
| **Start Stimulus** |
| User Clicks the application shortcut or double clicks the Taskbar. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Start application steps. | Adds Start Application UC 100 |  |
| 2 | User clicks the general settings tab. |  |  |
| 3 | User clicks checkmark enabling taskbar display. |  |  |
| 4 | User clicks apply to update settings. |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Corrupt/Invalid Settings | Warn user and apply default settings. |  |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The Taskbar is enabled on the taskbar. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | Application is installed. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | There is no room on the taskbar. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: Expected Once |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | At | 4 | Seconds | N/A | N/A | 5 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 1 | Bytes |  |  | 2KB | Application Settings |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **Display on Taskbar Scenario**

**User clicks the general settings tab**

Application tells display class to load the general settings layout

Application listens for settings changes

**User clicks checkbox to display on taskbar and on startup**

Application tells settings class to update current local settings

**User clicks apply to save settings**

Application tells settings class to save local settings to config file

Application applies the updated application settings

**Taskbar application is opened**

Application opens the taskbar application

## **Display on Taskbar Diagram**

Table

Description automatically generated with medium confidence

## **General Settings**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 1200 General Settings  Subject Area : User Operation  Description : Modify the general application settings. | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 1 | User should be able to configure the general application settings. |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 10/18/21 | First Draft |
| Anderson | 12/1/21 | Cleanup |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer. |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | The application is running. |

|  |
| --- |
| **Start Stimulus** |
| User Clicks the application shortcut or double clicks the Taskbar. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Start application steps. | Adds Start Application UC 100 |  |
| 2 | User clicks the general settings tab. |  |  |
| 3 | User adjust the general settings. |  |  |
| 4 | User clicks apply to update the settings. |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Corrupt/Invalid Settings | Warn user and apply default settings. |  |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The changes the user made to the general settings are applied properly. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | Application is installed. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The settings are invalid. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | At | 4 | Seconds | N/A | N/A | 3 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 1 | Bytes |  |  | 2KB | Application Settings |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **General Settings Scenario**

**User clicks the general settings tab**

Application tells display class to load the general settings layout

Application listens for settings changes

**User modifies the general settings**

Application tells settings class to update local settings as changes are made

**User clicks apply to save settings**

Application tells settings class to save local settings to config file

Application applies settings to application

Application sends update settings signal to taskbar application if running

## **General Settings Diagram**

**Table

Description automatically generated with medium confidence**

## **Taskbar Settings**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 1300 Taskbar Settings  Subject Area : User Operation  Description : Modify the taskbar settings for the taskbar. | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 1 | User should be able to configure the appearance of the taskbar display. |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 10/18/21 | First Draft |
| Anderson | 12/1/21 | Cleanup |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer. |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | The application is running. |

|  |
| --- |
| **Start Stimulus** |
| User Clicks the application shortcut or double clicks the Taskbar. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Start application steps. | Adds Start Application UC 100 |  |
| 2 | User clicks the Taskbar settings tab. |  |  |
| 3 | User adjust the Taskbar settings. |  |  |
| 4 | User clicks apply to update the settings. |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Corrupt/Invalid Settings | Warn user and apply default settings. |  |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The changes the user made to the Taskbar settings are applied properly. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | Application is installed. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The settings are invalid. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | At | 4 | Seconds | N/A | N/A | 3 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 1 | Bytes |  |  | 2KB | Application Settings |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **Taskbar Settings Scenario**

**User clicks the taskbar settings tab**

Application tells display class to load the taskbar settings layout

Application listens for settings changes

**User modifies the taskbar settings**

Application tells settings class to update local settings as changes are made

**User clicks apply to save settings**

Application tells settings class to save local settings to config file

Application applies settings to application

Application sends update settings signal to taskbar application if running

## **Taskbar Settings Diagram**

Graphical user interface, table

Description automatically generated

## **Profile Settings**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 1400 Profile Settings  Subject Area : User Operation  Description : Create a new profile | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 1 | User should be able to load and save setting profiles. |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 10/18/21 | First Draft |
| Anderson | 12/1/21 | Cleanup |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer. |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | Application is running. |

|  |
| --- |
| **Start Stimulus** |
| User Clicks the application shortcut or double clicks the Taskbar. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Start application steps. | Adds Start Application UC 100 |  |
| 2 | User clicks the profile settings tab. |  |  |
| 3 | User creates a profile. |  |  |
| 4 | User clicks apply to save profile. |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Corrupt/Invalid Settings | Warn user and apply default settings. |  |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The changes the user made to the profile settings are applied properly. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | Application is running. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The settings are invalid. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | At | 4 | Seconds | N/A | N/A | 3 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 1 | Bytes |  |  | 2KB | Application Settings |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **Profile Settings Scenario**

**User clicks the profile settings tab**

Application tells display class to load the profile settings layout

Application listens for settings changes

**User creates a profile**

Application tells profile class to create a new local profile with current settings and name

**User clicks apply to save profile**

Application tells profile class to save local profiles to profile config file

## **Profile Settings Diagram**

Table

Description automatically generated

## **History Settings**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 1500 History Settings  Subject Area : User Operation  Description : Export user history in excel file | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 1 | User should be able to configure recording behavior and export historical data. |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 10/18/21 | First Draft |
| Anderson | 12/1/21 | Cleanup |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer. |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | Application is running. |

|  |
| --- |
| **Start Stimulus** |
| User Clicks the application shortcut or double clicks the Taskbar. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Start application steps. | Adds Start Application UC 100 |  |
| 2 | User clicks the history settings tab. |  |  |
| 3 | User exports all of their history to excel file. |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Corrupt/Invalid Settings | Warn user and apply default settings. |  |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The changes the user made to the history settings are applied properly. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | Application is running. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The settings are invalid. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | At | 4 | Seconds | N/A | N/A | 3 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 2 | 1 | Bytes |  |  | 1GB | History Database |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **History Settings Scenario**

**User clicks the history settings tab**

Application tells display class to load the history settings tab

Application listens for settings changes

**User exports all of their history to excel file**

Application tells history class to query the database for all the data

Application tells history class to create and save an excel spreadsheet with the provided name

## **History Settings Diagram**

Table

Description automatically generated

## **About Settings**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 1600 About Page  Subject Area : User Operation  Description : View the about page and check for updates. | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 1 | User should be able to see developer details and check for updates. |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 10/18/21 | First Draft |
| Anderson | 12/1/21 | Cleanup |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | Application is running. |

|  |
| --- |
| **Start Stimulus** |
| User Clicks the application shortcut or double clicks the Taskbar. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | Start application steps. | Adds Start Application UC 100 |  |
| 2 | User clicks the about tab. |  |  |
| 3 | User clicks check for updates. |  |  |
| 4 | Program checks online to see if an update is available and prompts user to download. |  |  |
| 5 | User clicks download if update was found |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Update Server Not Reachable | Warn user it failed to check for updates. |  |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The program tells the user there is no update available or the program is updated. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The update server is running. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The program cannot contact the update server. | 10/18/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | Between | 3,4 | Seconds | N/A | N/A | 5 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **About Settings Scenario**

**User clicks the about settings tab**

Application tells display class to load the about settings tab

Application listens for settings changes

**User clicks check for updates**

Application checks online server for new versions

**Application prompts user to update or say no update was found**

Application displays message box with options

**User clicks download update if update was found**

Application fetches the install package from the update server

User can manually run installer in downloads directory

## **About Settings Diagram**

Table

Description automatically generated with medium confidence

## **Start Taskbar Application**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 2000 Start Taskbar Application  Subject Area : User Operation  Description : Open the taskbar application | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 8 | User will be able to control a taskbar application with the settings app |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 12/1/21 | First Draft |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | Application is running. |

|  |
| --- |
| **Start Stimulus** |
| User enables the taskbar in the settings app. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | User clicks apply after enabling taskbar in settings application |  |  |
| 2 | The taskbar application starts |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| 1 | The settings are invalid. | 12/1/21 |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The program warns the user and applies the default settings |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The settings are valid | 12/1/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | Between | 1,2 | Seconds | N/A | N/A | 5 | Don’t want assumption that the app is broken. |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **Start Taskbar Application Scenario**

**User clicks apply after enabling taskbar in settings application**

**The taskbar application starts**

Application tells settings class to pull, verify, and apply settings from settings config

Application tells history class to open SQLite file

Application tells hardware class to pull all available system hardware

Application tells hardware class to pull the first batch of system resource values

Application tells display class to load the taskbar display layout

## **Start Taskbar Application Diagram**

Graphical user interface

Description automatically generated

## **Update Taskbar Values**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 2100 Update Taskbar Values  Subject Area : User Operation  Description : Update the resource values for the taskbar | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 8 | User will be able to control a taskbar application with the settings app |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 12/1/21 | First Draft |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | Application is running. |

|  |
| --- |
| **Start Stimulus** |
| Time interval between updates is reached. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | The taskbar waits for x seconds to update resource values |  |  |
| 2 | The taskbar application updates the resource values |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| 1 | Resource values are out of bounds | 12/1/21 |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The program displays 0 for the affected resources until the next update. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The settings are valid | 12/1/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **Update Taskbar Values Scenario**

**The taskbar waits for x seconds to update resource values**

Application waits for the user defined time

**The taskbar application updates the resource values**

Application tells hardware class to pull the new values for each resource

Application tells display class to update the values displayed on the taskbar

## **Update Taskbar Values Diagram**

Table

Description automatically generated

## **Update Taskbar Settings**

|  |  |
| --- | --- |
| **General Information** | |
| Use Case Name\Number : UC 2200 Update Taskbar Settings  Subject Area : User Operation  Description : Update the settings for the taskbar | Responsible Analyst : Anderson |

|  |  |
| --- | --- |
| **Requirements/Feature Trace** | |
| **REQ#** | **Requirements Name and / or Short Description** |
| 8 | User will be able to control a taskbar application with the settings app |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Revision History** | | |
| **Author** | **Date** | **Comments** |
| Anderson | 12/1/21 | First Draft |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Insertion Points in other Use Cases (Adds Only)** | | |
| **Use Case Name** | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| General User | Person | Standard user operating the computer |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Pre-Conditions** | |
| # | Description |
| 1 | Application is running. |

|  |
| --- |
| **Start Stimulus** |
| Settings application sends signal to listening taskbar application. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | The settings are updated in the settings application |  |  |
| 2 | The settings are updated and applied |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| 1 | Settings are invalid | 12/1/21 |

|  |  |
| --- | --- |
| **Post-Conditions** | |
| **#** | **Description** |
| 1 | The program applies the default settings. |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| N/A |  |  |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | The settings are valid | 12/1/21 | Anderson |  |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |
|  |  |  |

|  |
| --- |
| **Frequency of Execution** |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: User Dependent |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **Taskbar Settings Update Scenario**

**The settings are updated in the settings application**

Application listens for a signal to update

**The settings are updated and applied**

Application tells settings class to pull the settings from the config file

Application tells display class to update the taskbar display with the new settings

## **Taskbar Settings Update Diagram**

Table

Description automatically generated

# **CRUD Matrix**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Use Case ID | Use Case Name | Person | Tx | C3 | C4 | C5 | C6 | C7 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

# **Low Fidelity UI**

A computer screen with a blue background

Description automatically generated with low confidence

# **Appendix A**