**Test Plan**

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Test Type & Test Type ID: White Box - 02

**Requirement Addressed**

Validate the structural logic, initialization, and integration of dialog components with menu items.

**Objective**

To evaluate proper behavior, integration and initialization of dialogs.

**Test cases**

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| --- | --- | --- | --- | --- | --- |
| **Description** | **Input field** | **Input value** | **Expected Output** | **Actual Output** | **Pass/Fail** |
| Test if dialog .kv files are loaded correctly into memory without errors. | * init\_help\_dialog * init\_settings\_dialog | Load help\_settings.kv, settings\_dialog.kv, and help\_dialog.kv | All dialog files are loaded successfully. | All dialog files are loaded successfully. | Pass |
| Verify that placeholder images in settings\_dialog.kv are correctly referenced and displayed. | Placeholder image paths. | Load placeholder resources. | Placeholder images render without errors. | Placeholder images render without errors. | Pass |
| Ensure the help dialog is defined and displays the 'About' section correctly. | init\_help\_dialog() | self | Help dialog components are displayed as expected. | Help dialog components are displayed as expected. | Pass |
| Check if all dialogs are initialized during application startup. | on\_start() | self | Dialogs are initialized without exceptions or missing references. | Dialogs are initialized without exceptions or missing references. | Pass |
| Validate that change\_opacity() modifies the opacity of dashboard components correctly when a dialog is opened. | change\_opacity() | self | The dashboard opacity adjusts whenever a dialog appears. | The dashboard opacity adjusts whenever a dialog appears. | Pass |