**Test Plan**

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Test Type & Test Type ID: White Box - 01

**Requirement Addressed**

Assess the app's window configuration logic to ensure proper initialization, accurate positioning, and compatibility with various screen resolutions.

**Objective**

To evaluate whether the window configuration logic is correct and its compatibility with varying screen resolutions.

**Test cases**

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| **Description** | **Input field** | **Input value** | **Expected Output** | **Actual Output** | **Pass/Fail** |
| Verify that the application window initializes with the desired dimensions. | Window.size = (desired\_width, desired\_height) | * Desired width: 1200 * Desired height: 800 | When the app initializes, the window size is the desired dimensions. |  |  |
| Ensure the window is centered correctly during initialization by using the monitor information retrieved. | * Window.left * Window.top * get\_monitors() | * User’s monitor dimensions * Desired dimensions: (1200x800) | The window is positioned at coordinates that center it on the monitor, calculated using the monitor's width and height. |  |  |
| Validate that the app enforces minimum dimensions for the window. | * Window.minimum\_width * Window.minimum\_height | * Minimum width: 1200 * Minimum height: 800 | The window cannot be resized below 1200x800. |  |  |
| Test the compatibility of the window configuration logic with varying screen resolutions. | * get\_monitors() * Window.size | Test resolutions: (1920x1080), (1600,1024) | The app correctly initializes and centers the window across all tested resolutions. |  |  |
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