**Group Project – Issue Documentation**

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**Submitted via:** Slack Channel

**First Group Issue**

**Issue Title:**  
Browsing between selectables does not trigger scroll #148

**Summary:**  
When navigating between widgets using arrow keys (moving from button to button), the selected widget can move outside the visible area of the container. This leads to a poor user experience, especially in long lists of selectables.

We fixed this by:

* Adding a scroll\_to\_widget() method to the Container class
* Updating select() to call scroll\_to\_widget() when a new widget is selected
* Adding a size() method in Widget (base class) to help calculate positioning

**GitHub Issue Reference:**  
[#148 – Browsing between selectables does not trigger scroll](https://github.com/bczsalba/pytermgui/issues/148)

**Test Instructions**

**Manual Test File:** group\_one\_issue.py

**How to Run:**Navigate in the directory EXAMPLES and then run: python group\_one\_issue.py

**What to Expect:**

* You’ll see 20 vertically stacked buttons.
* Use the arrow keys to move up and down.
* If selected buttons stay in view as you scroll — the fix is working.
* If selected scrolls out of view and is not visible during navigation, the test has failed.

We have an example bellow when it works (buttons scroll visibly when selected):

A screenshot of a computer program

AI-generated content may be incorrect.

**What Happens Internally:**

* The script checks if the container height exceeds the window height.
* If the container is too large and scrolling is not enabled, the script will raise a ValueError indicating the layout is misconfigured.

We have an example bellow when it raises a ValueError because the size exceeds the window height, but if we put like small amount of buttons like for example 2 or 3 it would work because the height would be way less:

A screenshot of a computer program

AI-generated content may be incorrect.

**Automated Test**

**File:** test\_container\_overflow.py  
**How to Run:**

Navigate in the directory Widgets and then run

pytest test\_container\_overflow.py

**Expected Result:**  
Passes, if a widget that’s too large for the container raises a ValueError.