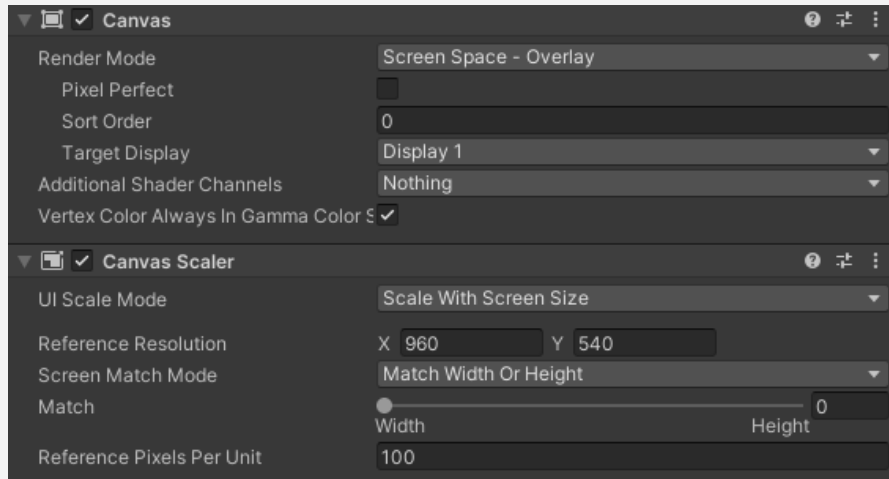


# Shah Tween

Shah Tween works with all the resolutions / dimensions and accurately places the element at desired location by taking the scaled sizes of ui elements into consideration and accurately finding the position of uiElement.

## Canvas Setting (*Recommended*)



## Getter And Setter Functions

The library contains two types of functions **Getter** and **Setter** for each functionality. **Setter functions** will set the position of UiElement while the **Getter functions** will calculate and return the position or value where the item should be placed.

## Getter Functions

1. **`GetPositionForItemAtLeftEdgeHorizontally``**
  - **Parameters:** `RectTransform container, RectTransform uiElementToPlace``
  - **Return Type:** `Vector3``
2. **`GetPositionForItemAtVerticalCenter``**
  - **Parameters:** `RectTransform container, RectTransform uiElementToPlace``
  - **Return Type:** `Vector3``
3. **`GetPositionForItemAtCenterOfContainer``**

- **Parameters:** `RectTransform container`
  - **Return Type:** `Vector3`
4. **`GetPositionForItemAtCenterPointOfLeftEdge`**
    - **Parameters:** `RectTransform container, RectTransform elementToPlace`
    - **Return Type:** `Vector3`
  5. **`GetPositionForItemAtCenterPointOfRightEdge`**
    - **Parameters:** `RectTransform container, RectTransform elementToPlace`
    - **Return Type:** `Vector3`
  6. **`GetPositionsForItemsAtleftAndRightEdges`**
    - **Parameters:** `RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth adjustWidth = AdjustWidth.inside, bool adjustHeight = true`
    - **Return Type:** `Vector3[]`
  7. **`getLeftEdge`**
    - **Parameters:** `RectTransform uiElement`
    - **Return Type:** `float`
  8. **`getRightEdge`**
    - **Parameters:** `RectTransform uiElement`
    - **Return Type:** `float`
  9. **`getScaledWidth`**
    - **Parameters:** `RectTransform uiElement`
    - **Return Type:** `float`
  10. **`getScaledHeight`**
    - **Parameters:** `RectTransform uiElement`
    - **Return Type:** `float`

## Setter Functions

1. **`SetItemAtLeftEdgeHorizontally`**
  - **Parameters:** `RectTransform container, RectTransform uiElementToPlace`

- **Return Type:** `void`

## 2. `SetItemAtVerticalCenter`

- **Parameters:** `RectTransform container, RectTransform uiElementToPlace`
- **Return Type:** `void`

## 3. `setItemAtCenterOfContainer`

- **Parameters:** `RectTransform container, RectTransform elementToPlace`
- **Return Type:** `void`

## 4. `SetItemAtCenterPointOfLeftEdge`

- **Parameters:** `RectTransform container, RectTransform elementToPlace`
- **Return Type:** `void`

## 5. `SetItemAtCenterPointOfRightEdge`

- **Parameters:** `RectTransform container, RectTransform elementToPlace`
- **Return Type:** `void`

## 6. `SetItemsAtleftAndRightEdges`

- **Parameters:** `RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth adjustWidth = AdjustWidth.inside, bool adjustHeight = true`
- **Return Type:** `void`

# Example Usage

## Accessing The functions

### Format

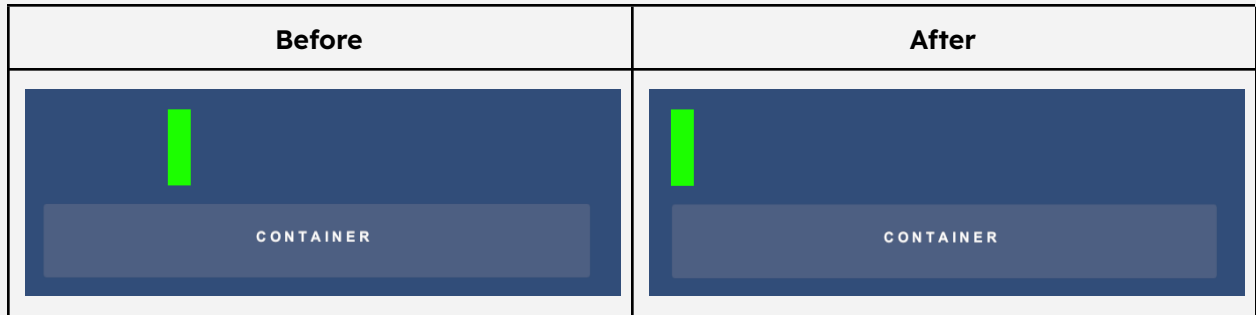
```
ShahTween.instance.FunctionName(param1, param2);
```

### Example

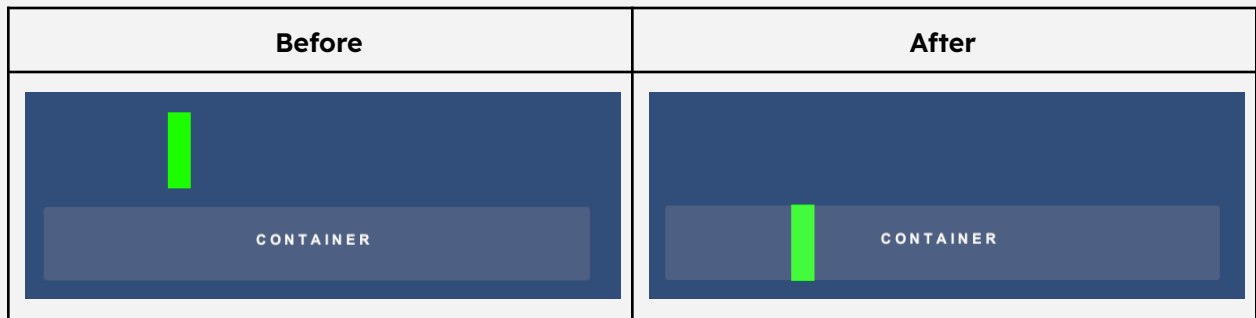
```
ShahTween.instance.setItemAtCenterOfContainer  
(Container, UiElement.rectTransform);
```

## Examples

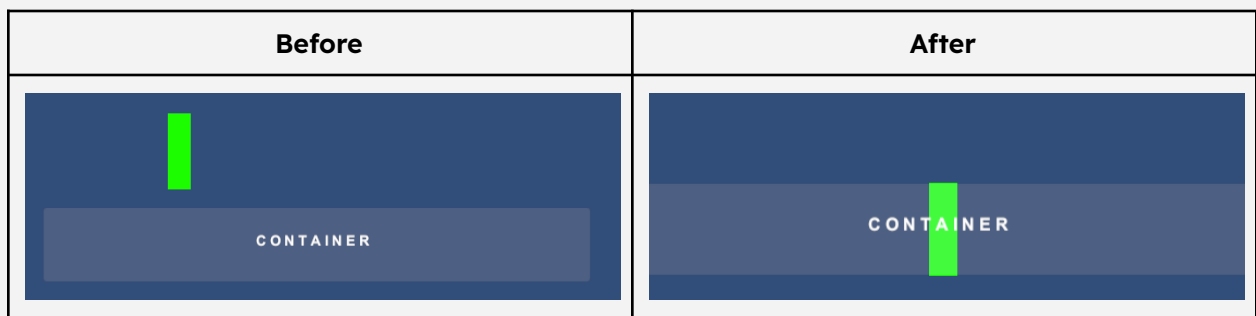
(1) SetItemAtLeftEdgeHorizontally ([RectTransform container](#), [RectTransform uiElementToPlace](#)).



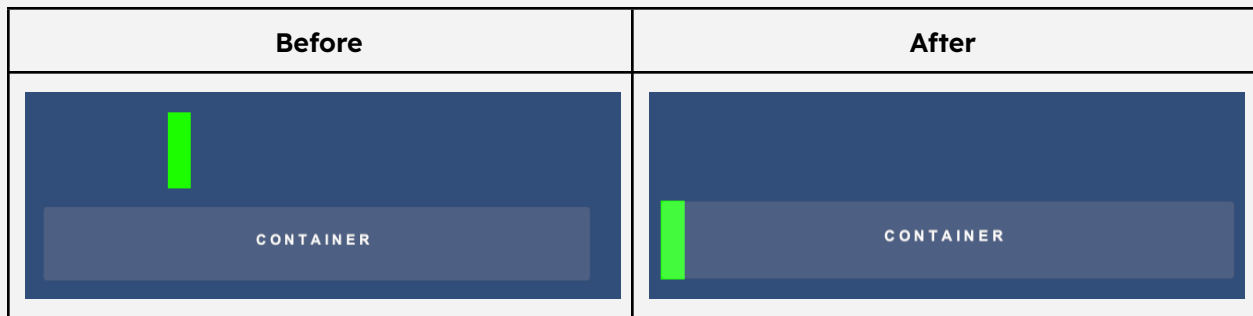
(2) SetItemAtVerticalCenter ([RectTransform container](#), [RectTransform uiElementToPlace](#))



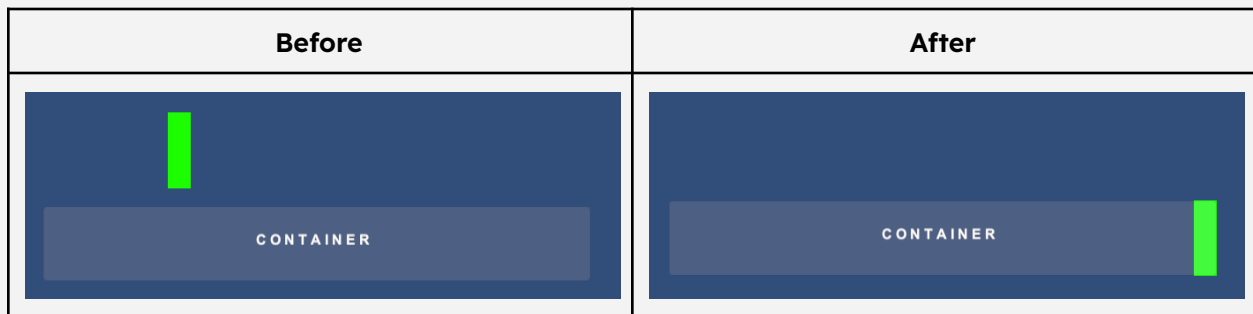
(3) setItemAtCenterOfContainer ([RectTransform container](#), [RectTransform uiElementToPlace](#))



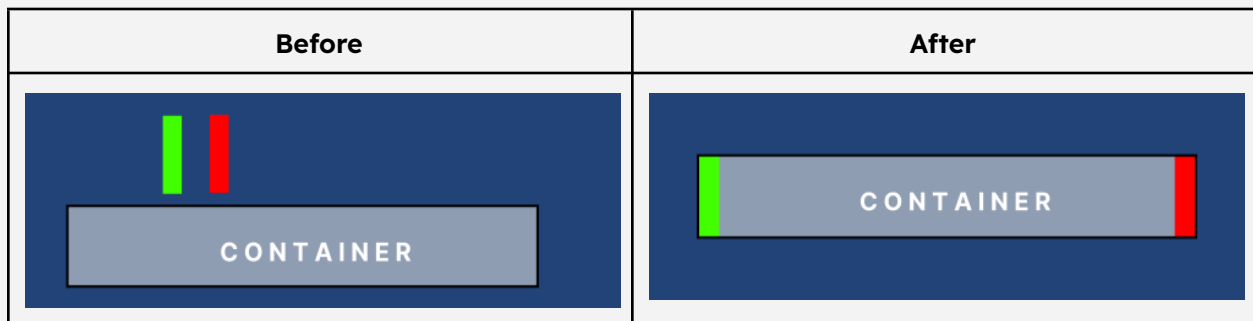
(4) SetItemAtCenterPointOfLeftEdge(RectTransform container, RectTransform uiElementToPlace)



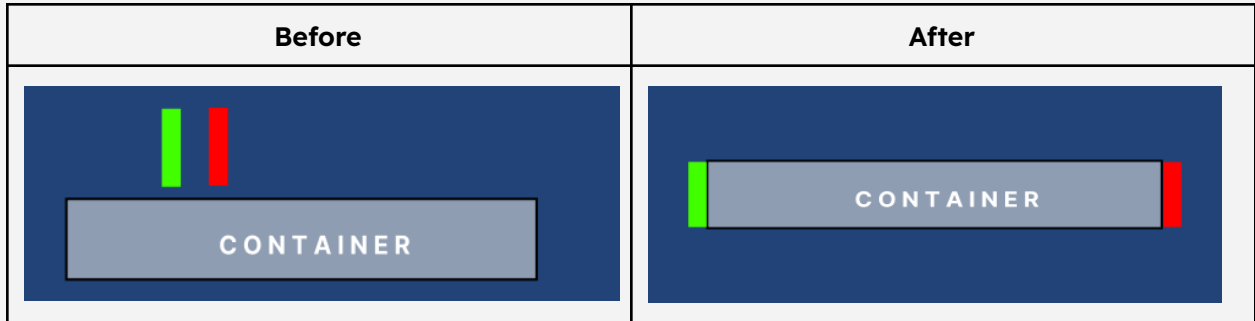
(5) SetItemAtCenterPointOfRightEdge(RectTransform container, RectTransform uiElementToPlace)



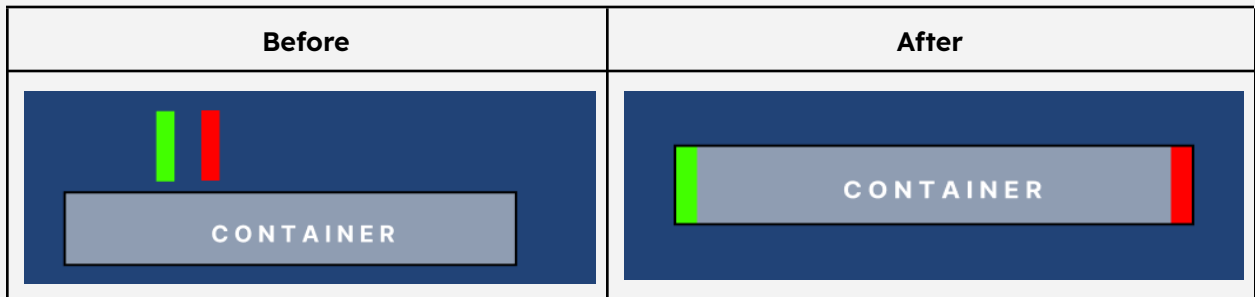
(6) SetItemsAtleftAndRightEdges(RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight)



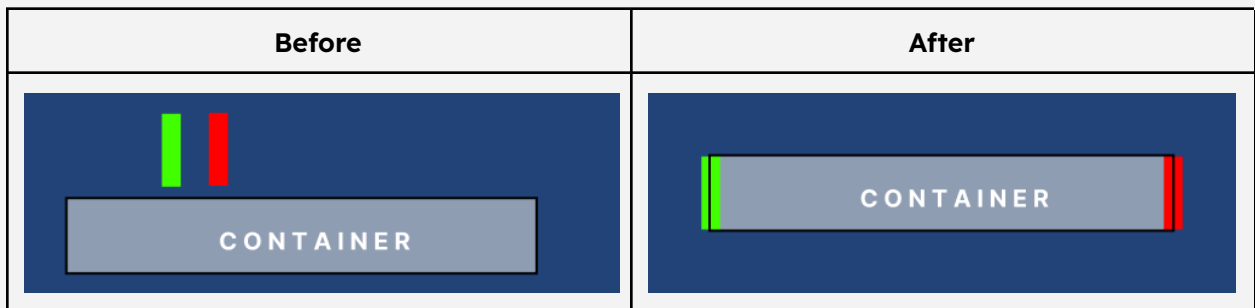
(6.1) SetItemsAtLeftAndRightEdges(RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth.outside)



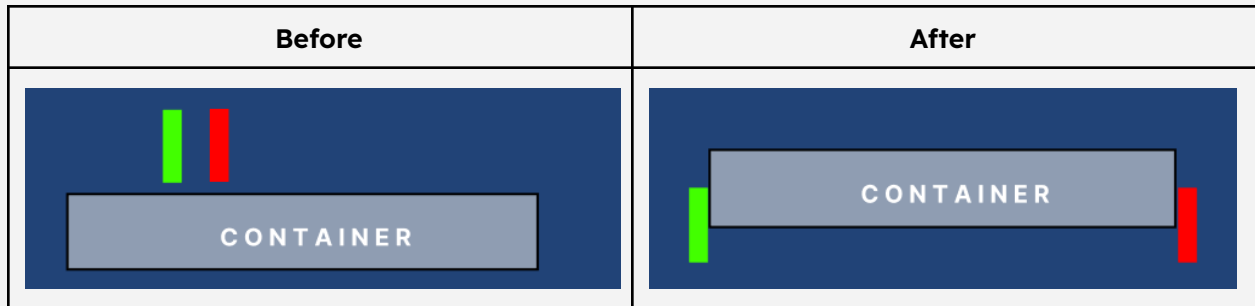
(6.2) SetItemsAtLeftAndRightEdges(RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth.inside)



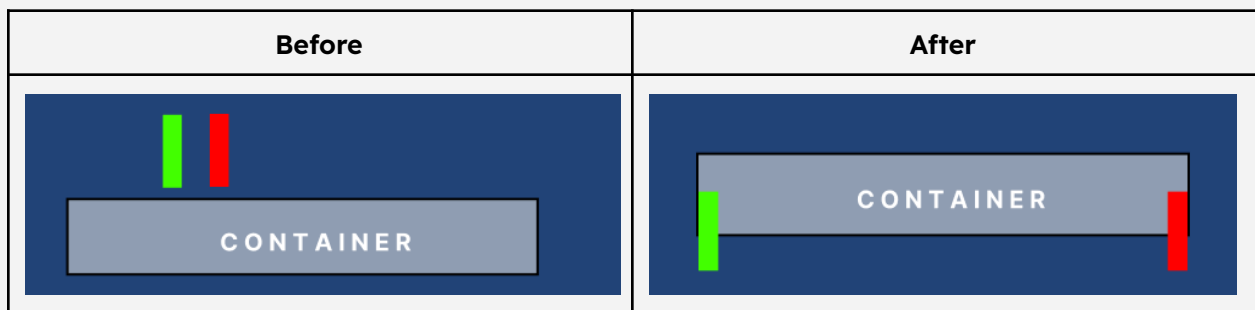
(6.3) SetItemsAtLeftAndRightEdges(RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth.center)



(6.4) SetItemsAtleftAndRightEdges(RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth.outside, false)



(6.5) SetItemsAtleftAndRightEdges(RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth.inside, false)



(6.6) SetItemsAtleftAndRightEdges(RectTransform container, RectTransform elementToPlaceLeft, RectTransform elementToPlaceRight, AdjustWidth.center, false)

