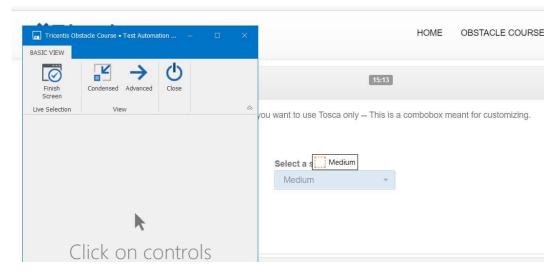
Link to obstacle

https://obstaclecourse.tricentis.com/Obstacles/Next?oid=17771

References for Adapter Classes

```
using Tricentis.Automation.Creation;
using Tricentis.Automation.Engines.Adapters.Attributes;
using Tricentis.Automation.Engines.Adapters.Html.Generic;
using Tricentis.Automation.Engines.Adapters.Lists;
using Tricentis.Automation.Engines.Technicals.Html;
```

Initial Steering



What we will need:

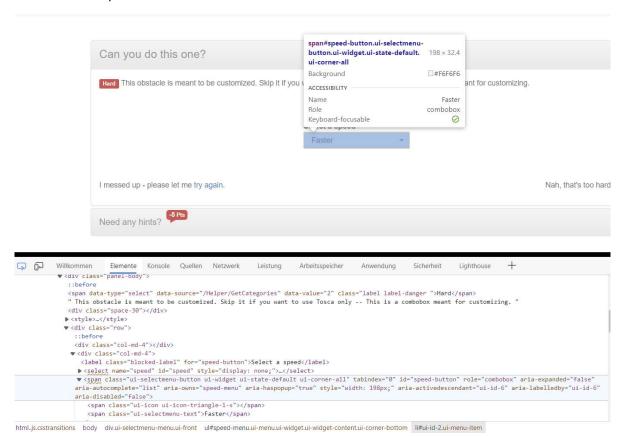
- Combobox Adapter
- Listitem Adapter
- Combox Adapter controller



ComboBoxAdapter

Analyzing the Combo Box

Box itself is a element



OpenComboBox() will help us later (see Controller section).

Defining it here makes it easy to find the control we want to click in order to open the box.

ListItemAdapter

Analyzing the list items

Items are stored in an ul element / items:

IListAdapter interface wants us to implement:

Text

The InnerText property of the item

Selected





An item is selected, when...

- 1. you hover with the mouse over it (see the change of the class name to ,ui-menu item ui-state-focus' when hovering over the item "Slow"?);
- 2. you click the focused item (mouse click)

```
0 references
public bool Selected
{
    get => Technical.ClassName.Contains("ui-state-focus");
    set
    {
        if (value)
        {
            Technical.FireEvent("mouseover");
            Technical.Click();
        }
    }
}

1 reference
public string Text => Technical.InnerText;
}
```

Controller

Finding the items

ListItem is the only interesting part we have to implement, rest is like the guided example here.

We have to open the combobox first in order to collect all items.

ContextAdapter.OpenComboBox() (from the combobox adapter class) will do this for us:

```
Dreferences
protected override IEnumerable<IAssociation> ResolveAssociation(ListItemsBusinessAssociation businessAssociation)

{
    yield return new AlgorithmicAssociation("ListItems");
    }
    Oreferences
protected override IEnumerable<ITechnical> SearchTechnicals(IAlgorithmicAssociation algorithmicAssociation)

{
    if (algorithmicAssociation.AlgorithmName != "ListItems")
    {
        return base.SearchTechnicals(algorithmicAssociation);
    }

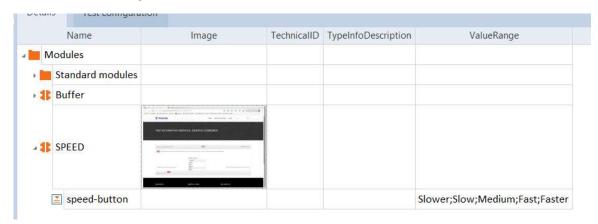
    ContextAdapter.OpenComboBox();
    return GetItems();
    }

ireference
private IEnumerable<ITechnical> GetItems()

{
    IHtmlDocumentTechnical documentTechnical = ContextAdapter.Technical.Document.Get<IHtmlDocumentTechnical>();
    IEnumerable<IHtmlElementTechnical> liItems = documentTechnical.GetElementsByClassName("ui-menu-item").Get<IHtmlElementTechnical>();
    if (liItems == null) return new List<ITechnical>();
    return liItems;
}
}
```

Tosca Commander

Module after steering the combobox:



Test Case



