Link to obstacle:

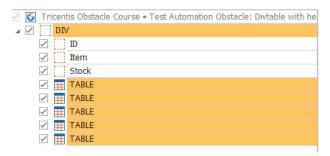
https://obstaclecourse.tricentis.com/Obstacles/Next?oid=30300



to be customized. Skip it if you want to use Tosca only -- This is a table meant for customizing Tosca

ID	Item	Stock
1099	Apple ?	26
1412	Banana ?	15
2312	Peach?	40
2567	Watermelon?	5
3030	Yam?	3

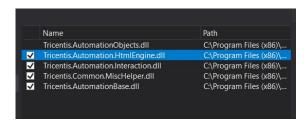
Initial Steering



Hints

In case of this table, some of the cells are td elements – so they are standard HTML table cells. No additional adapter has to be created for those – the platform handles these already for you. Just make sure that your controllers return them.

References



References for Adpater classes

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

References for Controller Classes

```
using System.Collections.Generic;
using Tricentis.Automation.AutomationInstructions.TestActions;
using Tricentis.Automation.AutomationInstructions.TestActions.Associations;
using Tricentis.Automation.Creation;
using Tricentis.Automation.Engines.Adapters.Controllers;
using Tricentis.Automation.Engines.Representations.Attributes;
```

What we will need:

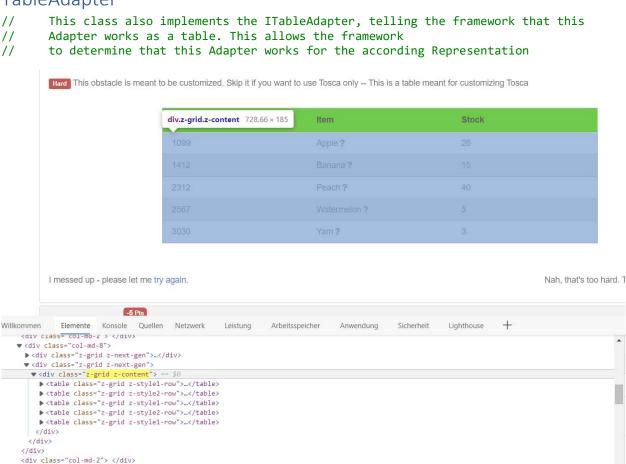
- Table adapter + controller
- Row adapter + controller
- Cell adapter





Adapter classes are the easiest part here, so we start with them

TableAdapter

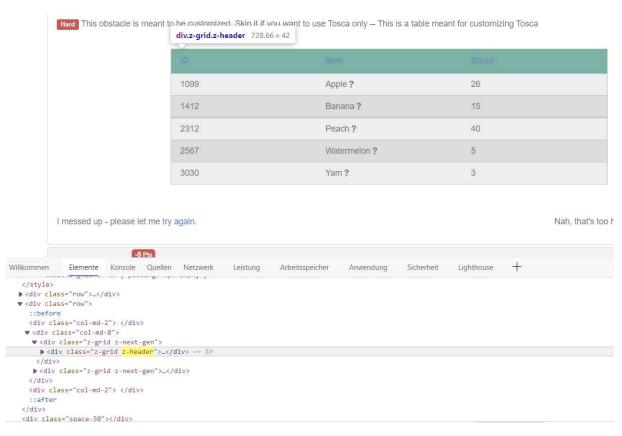


Do not get fooled by <div>col-md-8!

The table adapter controller will later deal with the question: How are we getting the rows which are <div> and ?

RowAdapter

// This class represents (or interacts with) the row. The class implements the ITableRowAdapter, allowing the framework to identify this Adapter as the row.



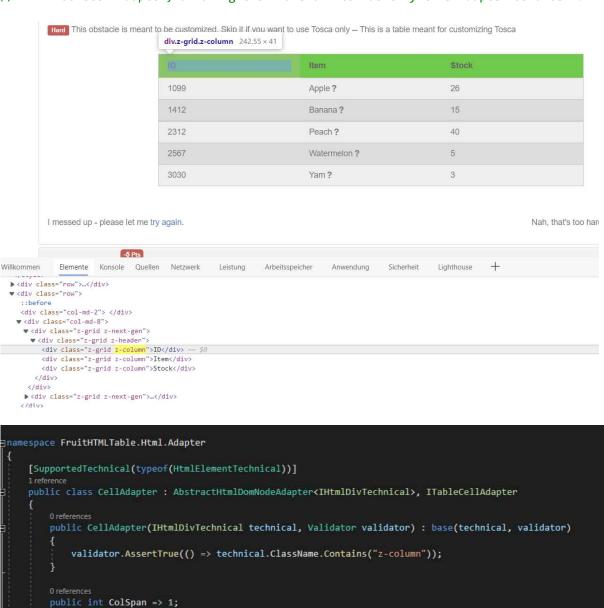
Clarify the representation: header row

CellAdapter

public int RowSpan => 1;

public string Text => Technical.InnerText;

// This class represents (or interacts with) the cell. The class implements the ITableCellAdapter, allowing the framework to identify this Adapter as a cell.



TableAdapterController

Tell the platform how to move from the table to the rows.

We make use of the *ResolveAssociation(DescendantBusinessAssociation)* to get *all* the rows of the table:

- Contextadapter is our table
 - => z-content node in the html
- Parentnode of Contextadapter
 - => z-next-gen node in the html
- Parentnode of z-next-gen
 - => col-md-8 node
- All.Get<ITechnical>() grants us access to all elements below the col-md-8 node

RowAdapterController

Tell the platform how to get from row to cells.

We only have to deal with the header since the table rows already "know" how to access their cells.

The cells are the direct children of z-header:

```
::before

<div class="col-md-2"> </div>

▼ <div class="col-md-8">

▼ <div class="z-grid z-next-gen">

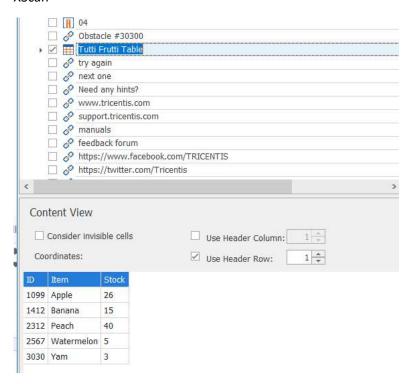
▼ <div class="z-grid z-header">

<div class="z-grid z-column">ID</div> == $0

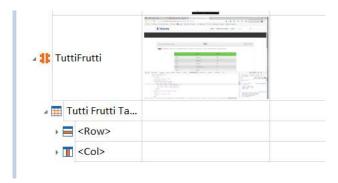
<div class="z-grid z-column">Item</div>
<div class="z-grid z-column">Stock</div>
</div>
</div
</dir>
</dir>
</dir>
</dir>
```

Tosca Commander

XScan



Module after steering the table:



Test Case



