# Solutions-Lab: jQuery

## 1.Text from List

function extractText (){

let $itemElements = $('#items li');

let itemElementsArray = $itemElements.toArray();

let itemTexts = itemElementsArray.map(li => li.textContent);

let resultText = itemTexts.join(', ');

let $resultElement = $('#result');

$resultElement.text(resultText);

}

|  |
| --- |
| function extractText() { |
|  | $("#result").text($("#items > li").toArray().map(e => e.textContent).join(", ")); |
|  | } |

## 2.Search in List

function search(){

let searchedText = $('#searchText').val();

let $matchedElements = $(`#towns li:contains(${searchedText})`)

$matchedElements.css("font-weight", "bold");

let $notMatchedElements = $(`#towns li:not(:contains(${searchedText}))`);

$notMatchedElements.css("font-weight", "normal");

let $resutElement = $('#result');

$resutElement.text($matchedElements.length + ' matches found');

}

|  |
| --- |
| function search() { |
|  | let searchWord = $("#searchText").val(); |
|  | $("#result").text($(`#towns > li:Contains("${searchWord}")`).length); |
|  | $(`#towns > li:contains("${searchWord}")`).css("font-weight", "bold"); |
|  | $(`#towns > li:not(:contains("${searchWord}"))`).css("font-weight", ""); |
|  | } |

## 3.Link Buttons

function attachEvents(){

let $linkButtons = $('a.button');

$linkButtons.on('click', mark);

function mark(){

$('.selected').removeClass('selected');

$(this).addClass('selected');

}

}

|  |
| --- |
| function attachEvents() { |
|  | $("a.button").on("click", mark); |
|  |  |
|  | function mark() { |
|  | $(".selected").removeClass("selected"); |
|  | $(this).addClass("selected"); |
|  | } |
|  | } |

## 4.Selectable Towns

function attachEvents(){

let $listItems = $("#items li");

$listItems.on("click", mark);

let $showTownsButton = $("#showTownsButton");

$showTownsButton.on("click", showSelectedTowns);

function mark(){

let $li = $(this);

if($li.attr("data-selected")){

$li.removeAttr("data-selected");

$li.css("background", "");

}

else {

$li.attr("data-selected", true);

$li.css("background", "#DDD");

}

}

function showSelectedTowns(){

let selectedTowns = $("#items li[data-selected=true]").toArray().map(li => li.textContent);

let $selectedTownsElement = $("#selectedTowns");

$selectedTownsElement.text("Selected towns: " + selectedTowns.join(", "));

}

}

|  |
| --- |
| function attachEvents() { |
|  | $("#items > li").on("click", mark) |
|  |  |
|  | function mark() { |
|  | let li = $(this); |
|  | if (li.attr('data-selected')) { |
|  | li.removeAttr('data-selected'); |
|  | li.css('background', ''); |
|  | } else { |
|  | li.attr('data-selected', 'true'); |
|  | li.css('background', '#DDD'); |
|  | } |
|  | } |
|  |  |
|  | $("#showTownsButton").on("click", function () { |
|  | $("#selectedTowns").text("Selected towns: " + $("#items > li[data-selected=true]").toArray().map(l => l.textContent).join(", ")); |
|  | }) |
|  | } |

## 5.Countries Table

function initializeTable(){

let $createLinkElement = $('#createLink');

$createLinkElement.on('click', createCountry);

addCountryToTable('Bulgaria', 'Sofia');

addCountryToTable('Germany', 'Berlin');

addCountryToTable('Russia', 'Moscow');

fixRowLinks();

function createCountry(){

let $newCountryElement = $('#newCountryText');

let $newCapitalElement = $('#newCapitalText');

let country = $newCountryElement.val();

let capital = $newCapitalElement.val();

// let country = $('#newCountryText').val();

// let capital = $('#newCapitalText').val();

addCountryToTable(country, capital, true);

$newCountryElement.val('');

$newCapitalElement.val('');

// $('#newCountryText').val('');

// $('#newCapitalText').val('');

fixRowLinks();

}

function addCountryToTable(country, capital){

let $row = $('<tr>');

let $countryCell = $('<td>');

$countryCell.text(country);

$row.append($countryCell);

let $capitalCell = $('<td>');

$capitalCell.text(capital);

$row.append($capitalCell);

let $actionCell = $('<td>');

let $upLink = $('<a href="#">[Up]</a>');

$upLink.on('click', moveRowUp);

$actionCell.append($upLink);

let $downLink = $('<a href="#">[Down]</a>');

$downLink.on('click', moveRowDown);

$actionCell.append($downLink);

let $deleteLink = $('<a href="#">[Delete]</a>');

$deleteLink.on('click', deleteRow);

$actionCell.append($deleteLink);

$row.append($actionCell);

$row.css("display", "none");

let $countriesTableElement = $('#countriesTable');

$countriesTableElement.append($row);

$row.fadeIn();

}

function moveRowUp(){

let $row = $(this).parent().parent();

$row.fadeOut(function() {

$row.insertBefore($row.prev());

$row.fadeIn();

fixRowLinks();

});

}

function moveRowDown(){

let $row = $(this).parent().parent();

$row.fadeOut(function() {

$row.insertAfter($row.next());

$row.fadeIn();

fixRowLinks();

});

}

function deleteRow(){

let $row = $(this).parent().parent();

$row.fadeOut(function() {

$row.remove();

fixRowLinks()

});

}

function fixRowLinks(){

let $coutriesTableLinks = $('#countriesTable a');

$coutriesTableLinks.css("display", "inline");

let $tablleRous = $('#countriesTable tr');

let $firsDataRow = $($tablleRous[2]);

//let $firsDataRow = $($('#countriesTable tr')[2]);

$firsDataRow.find('a:contains("Up")').css("display", "none");

let $lastDataRow = $($tablleRous[$tablleRous.length - 1]);

//let $lastDataRow = $($('#countriesTable tr')[$tablleRous.length - 1]);

$lastDataRow.find('a:contains("Down")').css("display", "none");

}

}

function initializeTable(){

let $createLinkElement = $('#createLink');

$createLinkElement.on('click', createCountry);

addCountryToTable('Bulgaria', 'Sofia');

addCountryToTable('Germany', 'Berlin');

addCountryToTable('Russia', 'Moscow');

fixRowLinks();

function createCountry(){

let $newCountryElement = $('#newCountryText');

let $newCapitalElement = $('#newCapitalText');

let country = $newCountryElement.val();

let capital = $newCapitalElement.val();

// let country = $('#newCountryText').val();

// let capital = $('#newCapitalText').val();

addCountryToTable(country, capital, true);

$newCountryElement.val('');

$newCapitalElement.val('');

// $('#newCountryText').val('');

// $('#newCapitalText').val('');

fixRowLinks();

}

function addCountryToTable(country, capital){

let $row = $('<tr>');

let $countryCell = $('<td>');

$countryCell.text(country);

$row.append($countryCell);

let $capitalCell = $('<td>');

$capitalCell.text(capital);

$row.append($capitalCell);

let $actionCell = $('<td>');

let $upLink = $('<a href="#">[Up]</a>');

$upLink.on('click', moveRowUp);

//$upLink.on('click', moveRowUp($upLink));//don't work

$actionCell.append($upLink);

let $downLink = $('<a href="#">[Down]</a>');

$downLink.on('click', moveRowDown);

//$downLink.on('click', moveRowDown($downLink));//don't work

$actionCell.append($downLink);

let $deleteLink = $('<a href="#">[Delete]</a>');

$deleteLink.on('click', deleteRow);

//$deleteLink.on('click', deleteRow($deleteLink));//don't work

$actionCell.append($deleteLink);

$row.append($actionCell);

$row.css("display", "none");

let $countriesTableElement = $('#countriesTable');

$countriesTableElement.append($row);

$row.fadeIn();

}

function moveRowUp(){

let $row = $(this).parent().parent();

$row.fadeOut(function() {

$row.insertBefore($row.prev());

$row.fadeIn();

fixRowLinks();

});

}

//don't work - what is $(this)

// function moveRowUp($upLink){

// let $row = $upLink.parent().parent();

// $row.fadeOut(function() {

// $row.insertBefore($row.prev());

// $row.fadeIn();

// fixRowLinks();

// });

// }

function moveRowDown(){

let $row = $(this).parent().parent();

$row.fadeOut(function() {

$row.insertAfter($row.next());

$row.fadeIn();

fixRowLinks();

});

}

//don't work - what is $(this)

// function moveRowDown($downLink){

// let $row = $downLink.parent().parent();

// $row.fadeOut(function() {

// $row.insertAfter($row.next());

// $row.fadeIn();

// fixRowLinks();

// });

// }

function deleteRow(){

let $row = $(this).parent().parent();

$row.fadeOut(function() {

$row.remove();

fixRowLinks()

});

}

//don't work - what is $(this)

// function deleteRow($deleteLink){

// let $row = $deleteLink.parent().parent();

// $row.fadeOut(function() {

// $row.remove();

// fixRowLinks()

// });

// }

function fixRowLinks(){

let $coutriesTableLinks = $('#countriesTable a');

$coutriesTableLinks.css("display", "inline");

let $tablleRous = $('#countriesTable tr');

let $firsDataRow = $($tablleRous[2]);

//let $firsDataRow = $($('#countriesTable tr')[2]);

$firsDataRow.find('a:contains("Up")').css("display", "none");

let $lastDataRow = $($tablleRous[$tablleRous.length - 1]);

//let $lastDataRow = $($('#countriesTable tr')[$tablleRous.length - 1]);

$lastDataRow.find('a:contains("Down")').css("display", "none");

}

}

|  |
| --- |
| function initializeTable() { |
|  | $("#createLink").click(createCountry); |
|  | addCountryToTable("Bulgaria", "Sofia"); |
|  | addCountryToTable("Germany", "Berlin"); |
|  | addCountryToTable("Russia", "Moscow"); |
|  | fixRowLinks(); |
|  |  |
|  | function createCountry() { |
|  | let country = $('#newCountryText').val(); |
|  | let capital = $('#newCapitalText').val(); |
|  | addCountryToTable(country, capital, true); |
|  | $('#newCountryText').val(''); |
|  | $('#newCapitalText').val(''); |
|  | fixRowLinks(); |
|  | } |
|  |  |
|  | function addCountryToTable(country, capital) { |
|  | let row = $('<tr>') |
|  | .append($("<td>").text(country)) |
|  | .append($("<td>").text(capital)) |
|  | .append($("<td>") |
|  | .append($("<a href='#'>[Up]</a>").click(moveRowUp)) |
|  | .append(" ") |
|  | .append($("<a href='#'>[Down]</a>").click(moveRowDown)) |
|  | .append(" ") |
|  | .append($("<a href='#'>[Delete]</a>").click(deleteRow))); |
|  | row.css('display', 'none'); |
|  | $("#countriesTable").append(row); |
|  | row.fadeIn(); |
|  | } |
|  |  |
|  | function moveRowUp() { |
|  | let row = $(this).parent().parent(); |
|  | row.fadeOut(function () { |
|  | row.insertBefore(row.prev()); |
|  | row.fadeIn(); |
|  | fixRowLinks(); |
|  | }); |
|  | } |
|  |  |
|  | function moveRowDown() { |
|  | let row = $(this).parent().parent(); |
|  | row.fadeOut(function () { |
|  | row.insertAfter(row.next()); |
|  | row.fadeIn(); |
|  | fixRowLinks(); |
|  | }); |
|  | } |
|  |  |
|  | function deleteRow() { |
|  | let row = $(this).parent().parent(); |
|  | row.fadeOut(function () { |
|  | row.remove(); |
|  | fixRowLinks(); |
|  | }); |
|  | } |
|  |  |
|  | function fixRowLinks() { |
|  | // Show all links in the table |
|  | $('#countriesTable a').css('display', 'inline'); |
|  |  |
|  | // Hide [Up] link in first table data row |
|  | let tableRows = $('#countriesTable tr'); |
|  | $(tableRows[2]).find("a:contains('Up')") |
|  | .css('display', 'none'); |
|  |  |
|  | // Hide the [Down] link in the last table row |
|  | $(tableRows[tableRows.length - 1]).find("a:contains('Down')") |
|  | .css('display', 'none'); |
|  | } |
|  |  |
|  | } |