# Solutions-Exercises: Asynchronous Programming and Promises

## 1.Forecaster

function attachEvents(){

const baseUrl = 'https://judgetests.firebaseio.com/';

$('#submit').click(getWeather);

function getWeather(){

$.get(baseUrl + 'locations.json')

.then(loadForecast)

.catch(displayError);

function loadForecast(locations){

let locationName = $('#location').val();

let location = locations.find(l => l.name === locationName);

//let location = locations.filter(l => l.name === locationName)[0];

let todayForecast = $.get(baseUrl + 'forecast/today/' + location.code + '.json');

let upcomingForecast = $.get(baseUrl + 'forecast/upcoming/' + location.code + '.json');

Promise.all([todayForecast, upcomingForecast])

.then(displayForecast)

.catch(displayError);

function displayForecast([today, upcoming]){

let symbols = {

'Sunny': '&#x2600',

'Partly sunny': '&#x26C5',

'Overcast': '&#x2601',

'Rain': '&#x2614',

'Degrees': '&#176'

};

$('#forecast').css('display', 'block');

let $spanSymbol = $('<span>').addClass('condition symbol').html(symbols[today.forecast.condition]);

let $spanConditionContainer = $('<span>').addClass('condition');

let $spanLocationName = $('<span>').addClass('forecast-data').text(today.name);

let $spanTemperature = $('<span>').addClass('forecast-data').html(today.forecast.low + symbols.Degrees + '/' + today.forecast.high + symbols.Degrees);

let $spanCondition = $('<span>').addClass('forecast-data').text(today.forecast.condition);

$spanConditionContainer.append($spanLocationName, $spanTemperature, $spanCondition);

$('#current').append($spanSymbol, $spanConditionContainer);

let $divUpcoming = $('#upcoming');

for (let forecast of upcoming.forecast){

let $spanUpcoming = $('<span>').addClass('upcoming');

let $spanUpcomingSymbol = $('<span>').addClass('symbol').html(symbols[forecast.condition]);

let $spanUpcomingTemperature = $('<span>').addClass('forecast-data').html(forecast.low + symbols.Degrees + '/' + forecast.high + symbols.Degrees);

let $spanUpcomingCondition = $('<span>').addClass('forecast-data').text(forecast.condition);

$spanUpcoming.append($spanUpcomingSymbol, $spanUpcomingTemperature, $spanUpcomingCondition);

$divUpcoming.append($spanUpcoming);

}

}

}

function displayError(){

let $divForecast = $('#forecast');

$divForecast.css('display', 'block');

$divForecast.text('Error');

}

}

}

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Forecaster</title>

<style>

#content { width: 400px; }

#request { text-align: center; }

.bl { width: 300px; }

#current { text-align: center; font-size: 2em; }

#upcoming { text-align: center; }

.condition { text-align: left; display: inline-block; }

.symbol { font-size: 4em; display: inline-block; }

.forecast-data { display: block; }

.upcoming { display: inline-block; margin: 1.5em; }

.label { margin-top: 1em; font-size: 1.5em; background-color: aquamarine; font-weight: 400; }

</style>

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

</head>

<body>

<div id="content">

<div id="request">

<input id="location" class='bl' type="text">

<input id="submit" class="bl" type="button" value="Get Weather">

</div>

<div id="forecast" style="display:none">

<div id="current">

<div class="label">Current conditions</div>

</div>

<div id="upcoming">

<div class="label">Three-day forecast</div>

</div>

</div>

</div>

<script src="01Forecaster.js"></script>

<script>

attachEvents();

</script>

</body>

</html>

|  |
| --- |
| function attachEvents() { |
|  | const baseServiceUrl = "https://judgetests.firebaseio.com/"; |
|  | $('#submit').click(getWeather); |
|  |  |
|  | function getWeather() { |
|  | //$('#current').html($('<div>').addClass('label').text("Current conditions")); |
|  | //$('#upcoming').html($('<div>').addClass('label').text("Three-day forecast")); |
|  | //$('#forecast').css('display', "none"); |
|  |  |
|  | $.get(baseServiceUrl + "locations.json") |
|  | .then(loadForecast) |
|  | .catch(displayError); |
|  |  |
|  | function loadForecast(locations) { |
|  | let location = locations.filter(l => l.name == $('#location').val())[0]; |
|  |  |
|  | let todayForecast = $.get(`${baseServiceUrl}forecast/today/${location.code}.json`); |
|  | let upcomingForecast = $.get(`${baseServiceUrl}forecast/upcoming/${location.code}.json`); |
|  |  |
|  | Promise.all([todayForecast, upcomingForecast]) |
|  | .then(displayForecast) |
|  | .catch(displayError); |
|  |  |
|  | function displayForecast([today, upcoming]) { |
|  | let icons = { |
|  | ['Sunny']: "&#x2600;", |
|  | ['Partly sunny']: "&#x26C5;", |
|  | ['Overcast']: "&#x2601;", |
|  | ['Rain']: "&#x2614;", |
|  | ['Degrees']: "&#176;" |
|  | }; |
|  |  |
|  | $('#current') |
|  | .append($('<span>').addClass("condition symbol").html(icons[today.forecast.condition])) |
|  | .append($('<span>').addClass("condition") |
|  | .append($('<span>').addClass("forecast-data").text(today.name)) |
|  | .append($('<span>').addClass("forecast-data").html(`${today.forecast.low}${icons.Degrees}/${today.forecast.high}${icons.Degrees}`)) |
|  | .append($('<span>').addClass("forecast-data").text(today.forecast.condition)) |
|  | ); |
|  |  |
|  | for (let forecast of upcoming.forecast){ |
|  | $('#upcoming') |
|  | .append($('<span>').addClass("upcoming") |
|  | .append($('<span>').addClass("symbol").html(icons[forecast.condition])) |
|  | .append($('<span>').addClass("forecast-data").html(`${forecast.low}${icons.Degrees}/${forecast.high}${icons.Degrees}`)) |
|  | .append($('<span>').addClass("forecast-data").text(forecast.condition)) |
|  | ); |
|  | } |
|  |  |
|  | $('#forecast').css("display", "block"); |
|  | } |
|  | } |
|  |  |
|  | function displayError(err) { |
|  | $('#forecast').html("Error"); |
|  | $('#forecast').css("display", "block"); |
|  | } |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Forecatser</title> |
|  | <style> |
|  | #content { width: 400px; } |
|  | #request { text-align: center; } |
|  | .bl { width: 300px; } |
|  | #current { text-align: center; font-size: 2em; } |
|  | #upcoming { text-align: center; } |
|  | .condition { text-align: left; display: inline-block; } |
|  | .symbol { font-size: 4em; display: inline-block; } |
|  | .forecast-data { display: block; } |
|  | .upcoming { display: inline-block; margin: 1.5em; } |
|  | .label { margin-top: 1em; font-size: 1.5em; background-color: aquamarine; font-weight: 400; } |
|  | </style> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | </head> |
|  | <body> |
|  | <div id="content"> |
|  | <div id="request"> |
|  | <input id="location" class='bl' type="text"> |
|  | <input id="submit" class="bl" type="button" value="Get Weather"> |
|  | </div> |
|  | <div id="forecast" style="display:none"> |
|  | <div id="current"> |
|  | <div class="label">Current conditions</div> |
|  | </div> |
|  | <div id="upcoming"> |
|  | <div class="label">Three-day forecast</div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | <script src="forecaster.js"></script> |
|  | <script> |
|  | attachEvents(); |
|  | </script> |
|  | </body> |
|  | </html> |

|  |
| --- |
| function attachEvents() { |
|  | const baseServiceUrl = "https://judgetests.firebaseio.com/"; |
|  | $('#submit').click(getWeather); |
|  |  |
|  | function getWeather() { |
|  | $.get(baseServiceUrl + "locations.json") |
|  | .then(loadForecast) |
|  | .catch(displayError); |
|  |  |
|  | function loadForecast(locations) { |
|  | let location = locations.filter(l => l.name == $('#location').val())[0]; |
|  |  |
|  | let todayForecast = $.get(`${baseServiceUrl}forecast/today/${location.code}.json`); |
|  | let upcomingForecast = $.get(`${baseServiceUrl}forecast/upcoming/${location.code}.json`); |
|  |  |
|  | Promise.all([todayForecast, upcomingForecast]) |
|  | .then(displayForecast) |
|  | .catch(displayError); |
|  |  |
|  | function displayForecast([today, upcoming]) { |
|  | let icons = { |
|  | ['Sunny']: "&#x2600;", |
|  | ['Partly sunny']: "&#x26C5;", |
|  | ['Overcast']: "&#x2601;", |
|  | ['Rain']: "&#x2614;", |
|  | ['Degrees']: "&#176;" |
|  | }; |
|  |  |
|  | $('#current') |
|  | .append($('<span>').addClass("condition symbol").html(icons[today.forecast.condition])) |
|  | .append($('<span>').addClass("condition") |
|  | .append($('<span>').addClass("forecast-data").text(today.name)) |
|  | .append($('<span>').addClass("forecast-data").html(`${today.forecast.low}${icons.Degrees}/${today.forecast.high}${icons.Degrees}`)) |
|  | .append($('<span>').addClass("forecast-data").text(today.forecast.condition)) |
|  | ); |
|  |  |
|  | for (let forecast of upcoming.forecast) { |
|  | $('#upcoming') |
|  | .append($('<span>').addClass("upcoming") |
|  | .append($('<span>').addClass("symbol").html(icons[forecast.condition])) |
|  | .append($('<span>').addClass("forecast-data").html(`${forecast.low}${icons.Degrees}/${forecast.high}${icons.Degrees}`)) |
|  | .append($('<span>').addClass("forecast-data").text(forecast.condition)) |
|  | ); |
|  | } |
|  |  |
|  | $('#forecast').css("display", "block"); |
|  | } |
|  | } |
|  |  |
|  | function displayError(err) { |
|  | $('#forecast').html("Error"); |
|  | $('#forecast').css("display", "block"); |
|  | } |
|  | } |
|  | } |
|  |  |
|  | ////This does not work in judge because who knows. |
|  | // function attachEvents() { |
|  | // const baseUrl = "https://judgetests.firebaseio.com/"; |
|  | // const codes = { |
|  | // "Sunny": "&#x2600;", |
|  | // "Partly sunny": "&#x26C5;", |
|  | // "Overcast": "&#x2601;", |
|  | // "Rain": "&#x2614;", |
|  | // "Degrees": "&#176;" |
|  | // }; |
|  |  |
|  | // $("#submit").click(getWeather); |
|  |  |
|  | // async function getWeather() { |
|  | // let locationName = $("#location").val(); |
|  | // if (!locationName) { |
|  | // handleError(); |
|  | // return; |
|  | // } |
|  | // $("#current > span").remove(); |
|  | // $("#upcoming > span").remove(); |
|  | // let locations = await $.get(baseUrl + "locations.json"); |
|  | // let loc = locations.filter(l => l.name == locationName)[0]; |
|  | // if (!loc) { |
|  | // handleError(); |
|  | // return; |
|  | // } |
|  | // let currentForecast = await $.get(baseUrl + `forecast/today/${loc.code}.json `); |
|  | // let extendedForecast = await $.get(baseUrl + `forecast/upcoming/${loc.code}.json `) |
|  |  |
|  | // if (!forecast || !extendedForecast) { |
|  | // handleError(); |
|  | // return; |
|  | // } |
|  |  |
|  | // let forecastEle = $("#forecast"); |
|  | // let currentEle = $("#current"); |
|  | // currentEle.append(`<span class="condition symbol">${codes[currentForecast.forecast.condition]}</span>`); |
|  | // let conditionEle = $(`<span class="condition"></span>`); |
|  | // conditionEle.append($(`<span class="forecast-data">${currentForecast.name}</span>`)); |
|  | // conditionEle.append($(`<span class="forecast-data">${currentForecast.forecast.low}&deg;/${currentForecast.forecast.high}&deg;</span>`)); |
|  | // conditionEle.append($(`<span class="forecast-data">${currentForecast.forecast.condition}</span>`)); |
|  | // currentEle.append(conditionEle); |
|  |  |
|  | // let upcomingEle = $("#upcoming"); |
|  | // for (let i = 0; i < extendedForecast.forecast.length; i++) { |
|  | // const dayForecast = extendedForecast.forecast[i]; |
|  | // let dayEle = $(`<span class="upcoming"></span>`); |
|  | // dayEle.append(`<span class="symbol">${codes[dayForecast.condition]} </span>`); |
|  | // dayEle.append($(`<span class="forecast-data">${dayForecast.low}&deg;/${dayForecast.high}&deg;</span>`)); |
|  | // dayEle.append($(`<span class="forecast-data">${dayForecast.condition}</span>`)); |
|  | // upcomingEle.append(dayEle); |
|  | // } |
|  |  |
|  | // forecastEle.show(); |
|  |  |
|  | // function handleError() { |
|  | // $('#forecast').html("Error"); |
|  | // $('#forecast').css("display", "block"); |
|  | // } |
|  | // } |
|  | // } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Forecatser</title> |
|  | <style> |
|  | #content { |
|  | width: 400px; |
|  | } |
|  |  |
|  | #request { |
|  | text-align: center; |
|  | } |
|  |  |
|  | .bl { |
|  | width: 300px; |
|  | } |
|  |  |
|  | #current { |
|  | text-align: center; |
|  | font-size: 2em; |
|  | } |
|  |  |
|  | #upcoming { |
|  | text-align: center; |
|  | } |
|  |  |
|  | .condition { |
|  | text-align: left; |
|  | display: inline-block; |
|  | } |
|  |  |
|  | .symbol { |
|  | font-size: 4em; |
|  | display: inline-block; |
|  | } |
|  |  |
|  | .forecast-data { |
|  | display: block; |
|  | } |
|  |  |
|  | .upcoming { |
|  | display: inline-block; |
|  | margin: 1.5em; |
|  | } |
|  |  |
|  | .label { |
|  | margin-top: 1em; |
|  | font-size: 1.5em; |
|  | background-color: aquamarine; |
|  | font-weight: 400; |
|  | } |
|  | </style> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | </head> |
|  |  |
|  | <body> |
|  | <div id="content"> |
|  | <div id="request"> |
|  | <input id="location" class='bl' type="text"> |
|  | <input id="submit" class="bl" type="button" value="Get Weather"> |
|  | </div> |
|  | <div id="forecast" style="display:none"> |
|  | <div id="current"> |
|  | <div class="label">Current conditions</div> |
|  | </div> |
|  | <div id="upcoming"> |
|  | <div class="label">Three-day forecast</div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | <script src="scripts/1\_Forecast.js"></script> |
|  | <script> |
|  | attachEvents(); |
|  | </script> |
|  | </body> |
|  |  |
|  | </html> |

## 2.Fisher Game

function attachEvents(){

//const baseUrl = 'https://baas.kinvey.com/appdata/kid\_rkxScVJGe/biggestCatches';

//const baseUrl = 'https://baas.kinvey.com/appdata/kid\_Sy3cFMu9G/biggestCatches';

const baseUrl = 'https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N/biggestCatches';

const kinveyUsername = 'guest';

//const kinveyPassword = '123';// for middle baseUrl

const kinveyPassword = 'guest';

const base64Auth = btoa(kinveyUsername + ':' + kinveyPassword);

const authHeaders = {'Authorization':'Basic ' + base64Auth};

$('.load').click(loadCatches);

$('.add').click(addCatch);

function loadCatches(){

let request = {

url: baseUrl,

method: 'GET',

headers: authHeaders

};

$.ajax(request).then(displayCatches);

function displayCatches(catches){

let $divCatches = $('#catches');

$divCatches.empty();

for (let catche of catches){

let $divCatch = $('<div>').addClass('catch').attr('data-id', catche.\_id);

let $labelAngler = $('<label>').text('Angler');

let $inputAngler = $('<input>').attr('type', 'text').addClass('angler').val(catche.angler);

let $labelWeight = $('<label>').text('Weight');

let $inputWeight = $('<input>').attr('type', 'number').addClass('weight').val(catche.weight);

let $labelSpecies = $('<label>').text('Species');

let $inputSpecies = $('<input>').attr('type', 'text').addClass('species').val(catche.species);

let $labelLocation = $('<label>').text('Location');

let $inputLocation = $('<input>').attr('type', 'text').addClass('location').val(catche.location);

let $labelBait = $('<label>').text('Bait');

let $inputBait = $('<input>').attr('type', 'text').addClass('bait').val(catche.bait);

let $labelCaptureTime = $('<label>').text('Capture Time');

let $inputCaptureTime = $('<input>').attr('type', 'number').addClass('captureTime').val(catche.captureTime);

let $buttonUpdate = $('<button>').addClass('update').text('Update').click(updateCatch);

let $buttonDelete = $('<button>').addClass('delete').text('Delete').click(deleteCatch);

$divCatch.append($labelAngler, $inputAngler, $labelWeight, $inputWeight, $labelSpecies, $inputSpecies, $labelLocation, $inputLocation, $labelBait, $inputBait, $labelCaptureTime, $inputCaptureTime, $buttonUpdate, $buttonDelete);

$divCatches.append($divCatch);

}

}

}

function addCatch(){

let inputs = $(this).parent().find('input');

let request = {

url: baseUrl,

method: 'POST',

headers: {'Authorization': 'Basic ' + base64Auth, 'Content-type': 'application/json'},

data: JSON.stringify({

angler: $(inputs[0]).val(),

weight: Number($(inputs[1]).val()),

species: $(inputs[2]).val(),

location: $(inputs[3]).val(),

bait: $(inputs[4]).val(),

captureTime: Number($(inputs[5]).val())

})

};

$.ajax(request).then(loadCatches);

for (let input of inputs){

$(input).val('');

}

}

function updateCatch(){

let inputs = $(this).parent().find('input');

let catchId = $(this).parent().attr('data-id');

let request = {

url: baseUrl + '/' + catchId,

method: 'PUT',

headers: {'Authorization': 'Basic ' + base64Auth, 'Content-type': 'application/json'},

data: JSON.stringify({

angler: $(inputs[0]).val(),

weight: $(inputs[1]).val(),

species: $(inputs[2]).val(),

location: $(inputs[3]).val(),

bait: $(inputs[4]).val(),

captureTime: $(inputs[5]).val()

})

};

$.ajax(request).then(loadCatches);

}

function deleteCatch(){

let catchId = $(this).parent().attr('data-id');

let request = {

url: baseUrl + '/' + catchId,

method: 'DELETE',

headers: authHeaders

};

$.ajax(request).then(loadCatches);

}

}

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Biggest Catch</title>

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="02FisherGame.js"></script>

<style>

h1 { text-align: center; }

input { display: block; }

div { border: 1px solid black; padding: 5px; display: inline-table; width: 24%; }

div#aside { margin-top: 8px; width: 15%; border: 2px solid grey; }

div#catches{ width:auto; }

button { display: inline-table; margin: 5% 0 5% 5%; width: 39%; }

button.add { width: 90%; }

button.load { width: 90%; padding: 10px; }

button.load { vertical-align: top; }

fieldset { display: inline-table; vertical-align: top; }

fieldset#main { width: 70%; }

</style>

</head>

<body>

<h1>Biggest Catches</h1>

<fieldset id="main">

<legend>Catches</legend>

<div id="catches">

<div class="catch" data-id="<id-goes-here>">

<label>Angler</label>

<input type="text" class="angler" value="Paulo Amorim"/>

<label>Weight</label>

<input type="number" class="weight" value="636"/>

<label>Species</label>

<input type="text" class="species" value="Atlantic Blue Marlin"/>

<label>Location</label>

<input type="text" class="location" value="Vitória, Brazil"/>

<label>Bait</label>

<input type="text" class="bait" value="trolled pink"/>

<label>Capture Time</label>

<input type="number" class="captureTime" value="80"/>

<button class="update">Update</button>

<button class="delete">Delete</button>

</div>

</div>

</fieldset>

<div id="aside">

<button class="load">Load</button>

<fieldset id="addForm">

<legend>Add Catch</legend>

<label>Angler</label>

<input type="text" class="angler"/>

<label>Weight</label>

<input type="number" class="weight"/>

<label>Species</label>

<input type="text" class="species"/>

<label>Location</label>

<input type="text" class="location"/>

<label>Bait</label>

<input type="text" class="bait"/>

<label>Capture Time</label>

<input type="number" class="captureTime"/>

<button class="add">Add</button>

</fieldset>

</div>

<script>attachEvents()</script>

</body>

</html>

|  |
| --- |
| function attachEvents() { |
|  | const baseSurviceUrl = "https://baas.kinvey.com/appdata/kid\_rkxScVJGe/biggestCatches"; |
|  | const kinveyUsername = "guest"; |
|  | const kinveyPassword = "guest"; |
|  | const base64Auth = btoa(kinveyUsername + ":" + kinveyPassword); |
|  | const authHeaders = {"Authorization":"Basic " + base64Auth}; |
|  |  |
|  | $('.load').click(loadCatches); |
|  | $('.add').click(addCatch); |
|  |  |
|  | function loadCatches() { |
|  | let request = { |
|  | url: baseSurviceUrl, |
|  | method: "GET", |
|  | headers: authHeaders |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(displayCatches); |
|  |  |
|  | function displayCatches(catches) { |
|  | $('#catches').empty(); |
|  |  |
|  | for(let catche of catches){ |
|  | $('#catches') |
|  | .append($('<div>').addClass("catch").attr("data-id", catche.\_id) |
|  | .append($('<label>').text("Angler")) |
|  | .append($('<input>').attr("type", "text").addClass("angler").val(catche.angler)) |
|  | .append($('<label>').text("Weight")) |
|  | .append($('<input>').attr("type", "number").addClass("weight").val(catche.weight)) |
|  | .append($('<label>').text("Species")) |
|  | .append($('<input>').attr("type", "text").addClass("species").val(catche.species)) |
|  | .append($('<label>').text("Location")) |
|  | .append($('<input>').attr("type", "text").addClass("location").val(catche.location)) |
|  | .append($('<label>').text("Bait")) |
|  | .append($('<input>').attr("type", "text").addClass("bait").val(catche.bait)) |
|  | .append($('<label>').text("Capture Time")) |
|  | .append($('<input>').attr("type", "number").addClass("captureTime").val(catche.captureTime)) |
|  | .append($('<button>').addClass("update").text("Update").click(updateCatch)) |
|  | .append($('<button>').addClass("delete").text("Delete").click(deleteCatch)) |
|  | ); |
|  | } |
|  | } |
|  | } |
|  |  |
|  | function addCatch() { |
|  | let inputs = $(this).parent().find('input'); |
|  |  |
|  | let request = { |
|  | url: baseSurviceUrl, |
|  | method: "POST", |
|  | headers: {"Authorization": "Basic " + base64Auth, "Content-type": "application/json"}, |
|  | data: JSON.stringify({ |
|  | angler: $(inputs[0]).val(), |
|  | weight: Number($(inputs[1]).val()), |
|  | species: $(inputs[2]).val(), |
|  | location: $(inputs[3]).val(), |
|  | bait: $(inputs[4]).val(), |
|  | captureTime: Number($(inputs[5]).val()) |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(loadCatches); |
|  |  |
|  | for(let input of inputs){ |
|  | $(input).val(''); |
|  | } |
|  | } |
|  |  |
|  | function updateCatch() { |
|  | let inputs = $(this).parent().find('input'); |
|  | let catchId = $(this).parent().attr('data-id'); |
|  |  |
|  | let request = { |
|  | url: baseSurviceUrl + "/" + catchId, |
|  | method: "PUT", |
|  | headers: {"Authorization": "Basic " + base64Auth, "Content-type": "application/json"}, |
|  | data: JSON.stringify({ |
|  | angler: $(inputs[0]).val(), |
|  | weight: $(inputs[1]).val(), |
|  | species: $(inputs[2]).val(), |
|  | location: $(inputs[3]).val(), |
|  | bait: $(inputs[4]).val(), |
|  | captureTime: $(inputs[5]).val() |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(loadCatches) |
|  | } |
|  |  |
|  | function deleteCatch() { |
|  | let catchId = $(this).parent().attr('data-id'); |
|  |  |
|  | let request = { |
|  | url: baseSurviceUrl + "/" + catchId, |
|  | method: "DELETE", |
|  | headers: authHeaders |
|  | } |
|  |  |
|  | $.ajax(request) |
|  | .then(loadCatches) |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Biggest Catch</title> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="catch.js"></script> |
|  | <style> |
|  | h1 { text-align: center; } |
|  | input { display: block; } |
|  | div { border: 1px solid black; padding: 5px; display: inline-table; width: 24%; } |
|  | div#aside { margin-top: 8px; width: 15%; border: 2px solid grey; } |
|  | div#catches{ width:auto; } |
|  | button { display: inline-table; margin: 5% 0 5% 5%; width: 39%; } |
|  | button.add { width: 90%; } |
|  | button.load { width: 90%; padding: 10px; } |
|  | button.load { vertical-align: top; } |
|  | fieldset { display: inline-table; vertical-align: top; } |
|  | fieldset#main { width: 70%; } |
|  | </style> |
|  | </head> |
|  | <body> |
|  | <h1>Biggest Catches</h1> |
|  | <fieldset id="main"> |
|  | <legend>Catches</legend> |
|  | <div id="catches"> |
|  | </div> |
|  | </fieldset> |
|  | <div id="aside"> |
|  | <button class="load">Load</button> |
|  | <fieldset id="addForm"> |
|  | <legend>Add Catch</legend> |
|  | <label>Angler</label> |
|  | <input type="text" class="angler"/> |
|  | <label>Weight</label> |
|  | <input type="number" class="weight"/> |
|  | <label>Species</label> |
|  | <input type="text" class="species"/> |
|  | <label>Location</label> |
|  | <input type="text" class="location"/> |
|  | <label>Bait</label> |
|  | <input type="text" class="bait"/> |
|  | <label>Capture Time</label> |
|  | <input type="number" class="captureTime"/> |
|  | <button class="add">Add</button> |
|  | </fieldset> |
|  | </div> |
|  | <script>attachEvents()</script> |
|  | </body> |
|  | </html> |

|  |
| --- |
| function attachEvents() { |
|  | const baseUrl = "https://baas.kinvey.com/appdata/kid\_Sy3cFMu9G/biggestCatches"; |
|  | const auth = `Basic ${btoa("guest:123")}`; |
|  | $($("button.load")[0]).click(listAllCatches); |
|  | $($("button.add")[0]).click(addCatch); |
|  |  |
|  | async function listAllCatches() { |
|  | let catchesEle = $("#catches"); |
|  | catchesEle.empty(); |
|  | let catches = await $.ajax({ |
|  | method: "GET", |
|  | url: baseUrl, |
|  | headers: { |
|  | "Authorization": auth |
|  | } |
|  | }); |
|  | for (const c of catches) { |
|  | let catchEle = createCatchEle(c); |
|  | catchesEle.append(catchEle); |
|  | } |
|  |  |
|  | } |
|  |  |
|  | function addCatch(params) { |
|  | let addForm = $("#addForm"); |
|  | let [angler, weight, species, location, bait, captureTime] = $("#addForm input"); |
|  |  |
|  | let body = { |
|  | angler: $(angler).val(), |
|  | weight: Number($(weight).val()), |
|  | species: $(species).val(), |
|  | location: $(location).val(), |
|  | bait: $(bait).val(), |
|  | captureTime: Number($(captureTime).val()) |
|  | }; |
|  |  |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: baseUrl, |
|  | headers: { |
|  | "Authorization": auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify(body) |
|  | }).then((res) => { |
|  | let newCatch = createCatchEle(res); |
|  | $("#catches").append(newCatch); |
|  | }) |
|  |  |
|  | } |
|  |  |
|  | function createCatchEle(c) { |
|  | let result = $(`<div class="catch" data-id="${c.\_id}">`); |
|  |  |
|  | let anglerInput = $(`<input type="text" class="angler" value="${c.angler}" />`); |
|  | result.append(`<label>Angler</label>`) |
|  | result.append(anglerInput); |
|  |  |
|  | let weightInput = $(`<input type="number" class="weight" value="${c.weight}" />`); |
|  | result.append(`<label>Weight</label>`); |
|  | result.append(weightInput); |
|  |  |
|  | let speciesInput = $(`<input type="text" class="species" value="${c.species}" />`); |
|  | result.append(`<label>Species</label>`); |
|  | result.append(speciesInput); |
|  |  |
|  | let locationInput = $(`<input type="text" class="location" value="${c.location}" />`); |
|  | result.append(`<label>Location</label>`); |
|  | result.append(locationInput); |
|  |  |
|  | let baitInput = $(`<input type="text" class="bait" value="${c.bait}" />`); |
|  | result.append(`<label>Bait</label>`); |
|  | result.append(baitInput); |
|  |  |
|  | let captureTimeInput = $(`<input type="number" class="captureTime" value="${c.captureTime}" />`); |
|  | result.append(`<label>Capture Time</label>`); |
|  | result.append(captureTimeInput); |
|  |  |
|  | let updateBtn = $(`<button class="update">Update</button>`).click(() => { |
|  | let id = result.attr("data-id"); |
|  | let angler = anglerInput.val(); |
|  | let weight = Number(weightInput.val()); |
|  | let species = speciesInput.val(); |
|  | let location = locationInput.val(); |
|  | let bait = baitInput.val(); |
|  | let captureTime = Number(captureTimeInput.val()); |
|  |  |
|  | let body = { |
|  | angler, |
|  | weight, |
|  | species, |
|  | location, |
|  | bait, |
|  | captureTime |
|  | }; |
|  | $.ajax({ |
|  | method: "PUT", |
|  | url: baseUrl + `/${id}`, |
|  | headers: { |
|  | "Authorization": auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify(body) |
|  | }); |
|  | }); |
|  | let deletebtn = $(`<button class="delete">Delete</button>`).click(() => { |
|  | let id = result.attr("data-id"); |
|  |  |
|  | $.ajax({ |
|  | method: "DELETE", |
|  | url: baseUrl + `/${id}`, |
|  | headers: { |
|  | "Authorization": auth, |
|  | "Content-type": "application/json" |
|  | } |
|  | }).then((r) => { |
|  | result.remove(); |
|  | }); |
|  | }) |
|  |  |
|  | result.append(updateBtn); |
|  | result.append(deletebtn); |
|  |  |
|  | return result; |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Biggest Catch</title> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="scripts/2\_FisherGame.js"></script> |
|  | <style> |
|  | h1 { |
|  | text-align: center; |
|  | } |
|  |  |
|  | input { |
|  | display: block; |
|  | } |
|  |  |
|  | div { |
|  | border: 1px solid black; |
|  | padding: 5px; |
|  | display: inline-table; |
|  | width: 24%; |
|  | } |
|  |  |
|  | div#aside { |
|  | margin-top: 8px; |
|  | width: 15%; |
|  | border: 2px solid grey; |
|  | } |
|  |  |
|  | div#catches { |
|  | width: auto; |
|  | } |
|  |  |
|  | button { |
|  | display: inline-table; |
|  | margin: 5% 0 5% 5%; |
|  | width: 39%; |
|  | } |
|  |  |
|  | button.add { |
|  | width: 90%; |
|  | } |
|  |  |
|  | button.load { |
|  | width: 90%; |
|  | padding: 10px; |
|  | } |
|  |  |
|  | button.load { |
|  | vertical-align: top; |
|  | } |
|  |  |
|  | fieldset { |
|  | display: inline-table; |
|  | vertical-align: top; |
|  | } |
|  |  |
|  | fieldset#main { |
|  | width: 70%; |
|  | } |
|  | </style> |
|  | </head> |
|  |  |
|  | <body> |
|  | <h1>Biggest Catches</h1> |
|  | <fieldset id="main"> |
|  | <legend>Catches</legend> |
|  | <div id="catches"> |
|  | <!-- <div class="catch" data-id="<id-goes-here>"> |
|  | <label>Angler</label> |
|  | <input type="text" class="angler" value="Paulo Amorim" /> |
|  | <label>Weight</label> |
|  | <input type="number" class="weight" value="636" /> |
|  | <label>Species</label> |
|  | <input type="text" class="species" value="Atlantic Blue Marlin" /> |
|  | <label>Location</label> |
|  | <input type="text" class="location" value="Vitória, Brazil" /> |
|  | <label>Bait</label> |
|  | <input type="text" class="bait" value="trolled pink" /> |
|  | <label>Capture Time</label> |
|  | <input type="number" class="captureTime" value="80" /> |
|  | <button class="update">Update</button> |
|  | <button class="delete">Delete</button> |
|  | </div> --> |
|  | </div> |
|  | </fieldset> |
|  | <div id="aside"> |
|  | <button class="load">Load</button> |
|  | <fieldset id="addForm"> |
|  | <legend>Add Catch</legend> |
|  | <label>Angler</label> |
|  | <input type="text" class="angler" /> |
|  | <label>Weight</label> |
|  | <input type="number" class="weight" /> |
|  | <label>Species</label> |
|  | <input type="text" class="species" /> |
|  | <label>Location</label> |
|  | <input type="text" class="location" /> |
|  | <label>Bait</label> |
|  | <input type="text" class="bait" /> |
|  | <label>Capture Time</label> |
|  | <input type="number" class="captureTime" /> |
|  | <button class="add">Add</button> |
|  | </fieldset> |
|  | </div> |
|  | <script> |
|  | attachEvents() |
|  | </script> |
|  | </body> |
|  |  |
|  | </html> |

## 3.Create "Books" REST Service

function serviceBooks(){

//const baseUrl = "https://baas.kinvey.com/appdata/kid\_rkOE5IY5f/books";

const baseUrl = "https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N/books";

const auth = `Basic ${btoa("guest:guest")}`;

const headers = {"Authorization": auth, "Content-Type": "application/json"};

//loadBooks();

$("#add").click(addBook);

$("#load").click(loadBooks);

async function loadBooks(){

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

$books.empty();

let books = await $.ajax({

url: baseUrl,

method: "GET",

headers

});

for (let book of books){

$books.append(createBook(book));

}

}

async function addBook(){

let [title, author, isbn] = $("#newBooksFiles input").map((i, item) => $(item).val());

if(title && author && isbn){

let bookData = {title, author, isbn};

//$("#newBooksFiles > input").val("");

$("#newBooksFiles input").val("");

let book = await $.ajax({

method: "POST",

url: baseUrl,

headers,

data: JSON.stringify(bookData)

});

let $liBook = createBook(book);

$("#books").append($liBook);

}

}

function createBook(book){

let $li = $("<li>");

let $span = $(`<span>Title: ${book.title}; Author: ${book.author}; ISBN: ${book.isbn};</span>`);

let $a = $('<a href="#">[Delete]</a>').click(() => {

$.ajax({

method: "DELETE",

url: baseUrl + "/" + book.\_id,

headers

})

.then(() => $li.remove());

});

$span.append($a);

$li.append($span);

return $li;

}

}

<!DOCTYPE html>

<html lang="en">

<head>

<title>Books Service</title>

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<script src="03CreateBooksRESTService.js"></script>

</head>

<body>

<div>

<ul id="books"></ul>

</div>

<div>

<fieldset id="newBooksFiles">

<label>Title</label>

<input type="text" />

<label>Author</label>

<input type="text" />

<label>ISBN</label>

<input type="text" />

<button id="add">Add Book</button>

<button id="load">Show Books</button>

</fieldset>

</div>

<script>

serviceBooks();

</script>

</body>

</html>

function attachedEvents() {

$('#load-books').on('click', loadBooks);

$('#addBook').on('click', addBook);

$('#updateBook').on('click', updateBook);

}

//BEGIN Load books

function loadBooks() {

request.get(addBooksToContainer, onError);

}

function addBooksToContainer(books) {

$('#books-container').empty();

books.forEach(b => {

appendBook(b);

});

}

//END Load books

//BEGIN Add book

function addBook() {

let title = $('#bookTitle').val();

let author = $('#bookAuthor').val();

let isbn = $('#bookIsbn').val();

if (!title || !author || !isbn) {

return;

}

let data = { title: title, author: author, isbn: isbn };

console.log(data);

request.post(JSON.stringify(data), appendBook, onError);

}

function appendBook(book) {

let $book = $(`<div id="${book.\_id}" class="card">

<div class="card-body">

<h5 class="card-title book-title">${book.title}</h5>

<h6 class="card-subtitle book-author mb-2 text-muted">${book.author}</h6>

<h6 class="card-subtitle book-isbn mb-2 text-muted">${book.isbn}</h6>

<div class="btn-holder">

<button type="button" class="btn btn-primary btn-sm">Delete</button>

</div>

</div>

</div>`);

$book.on('click', updateUpdateBookForm);

$book.find('button').on('click', deleteBook);

$('#books-container').append($book);

clearAddForm();

}

function clearAddForm() {

$('#bookTitle').val('');

$('#bookAuthor').val('');

$('#bookIsbn').val('');

}

function updateUpdateBookForm(e) {

e.preventDefault();

e.stopPropagation();

let $book = $(e.target).closest(".card");

let id = $book.attr('id');

let title = $book.find('.book-title').text();

let author = $book.find('.book-author').text();

let isbn = $book.find('.book-isbn').text();

$('#updatebookId').text(id);

$('#updatebookTitle').val(title);

$('#updatebookAuthor').val(author);

$('#updatebookIsbn').val(isbn);

showUpdateForm();

}

//END Add book

//BEGIN Update book

function updateBook() {

let id = $('#updatebookId').text();

let title = $('#updatebookTitle').val();

let author = $('#updatebookAuthor').val();

let isbn = $('#updatebookIsbn').val();

let book = { title, author, isbn };

request.put(id, JSON.stringify(book), updateCurrentBookInList, onError);

$('#updatebookId').text('');

$('#updatebookTitle').val('');

$('#updatebookAuthor').val('');

$('#updatebookIsbn').val('');

showAddForm();

}

function updateCurrentBookInList(book) {

let $book = $(`#${book.\_id}`);

$book.find('.book-title').text(book.title);

$book.find('.book-author').text(book.author);

$book.find('.book-isbn').text(book.isbn);

}

//END Update book

//BEGIN Delete book

function deleteBook(e) {

e.preventDefault();

e.stopPropagation();

let $book = $(e.target).closest(".card");

let id = $book.attr('id');

let title = $book.find('.book-title').text();

let author = $book.find('.book-author').text();

let isbn = $book.find('.book-isbn').text();

let book = { title, author, isbn };

request.delete(id, JSON.stringify(book), removeBook, onError);

function removeBook(deleteResult) {

if (deleteResult.count > 0) {

$book.remove();

}

}

}

//END Delete book

let request = function request() {

let appId = 'kid\_BJQ\_6QCu4';

let headers = getAuthHeaders();

function getAsync(resolve, reject) {

let url = `https://baas.kinvey.com/appdata/${appId}/softuni`;

$.ajax({

url: url,

method: 'GET',

headers: headers

})

.then(resolve)

.catch(reject);

}

function postAsync(data, resolve, reject) {

let url = `https://baas.kinvey.com/appdata/${appId}/books`;

headers['Content-type'] = 'application/json';

$.ajax({

url: url,

method: 'POST',

headers: headers,

data: data

})

.then(resolve)

.catch(reject);

}

function updateAsync(id, data, resolve, reject) {

const url = `https://baas.kinvey.com/appdata/${appId}/books/${id}`;

headers['Content-type'] = 'application/json';

$.ajax({

url: url,

method: 'PUT',

headers: headers,

data: data

})

.then(resolve)

.catch(reject);

}

function deleteAsync(id, data, resolve, reject) {

const url = `https://baas.kinvey.com/appdata/${appId}/books/${id}`;

headers['Content-type'] = 'application/json';

$.ajax({

url: url,

method: 'DELETE',

headers: headers,

data: data

})

.then(resolve)

.catch(reject);

}

return {

get: getAsync,

post: postAsync,

put: updateAsync,

delete: deleteAsync

};

}();

function onSuccess(data) {

console.log(data);

}

function onError(err) {

console.log(err);

}

function getAuthHeaders() {

const kinveyUsername = 'User';

const kinveyPassword = '123';

const base64auth = btoa(kinveyUsername + ":" + kinveyPassword);

const authHeaders = { 'Authorization': 'Basic ' + base64auth };

return authHeaders;

}

function showUpdateForm() {

$('#add-form').hide();

$('#update-form').show();

}

function showAddForm() {

$('#add-form').show();

$('#update-form').hide();

}

|  |
| --- |
| function attachEvents() { |
|  | const baseUrl = "https://baas.kinvey.com/appdata/kid\_rkOE5IY5f/books"; |
|  | const auth = `Basic ${btoa("guest:guest")}`; |
|  | const requestHeaders = { |
|  | "Authorization": auth, |
|  | "Content-type": "application/json" |
|  | } |
|  |  |
|  | $(loadBooks); |
|  | $("#add").click(addBook); |
|  |  |
|  | async function loadBooks() { |
|  | let books = $("#books"); |
|  | books.empty(); |
|  |  |
|  | let allBooks = await $.ajax({ |
|  | method: "GET", |
|  | headers: requestHeaders |
|  | }); |
|  |  |
|  | for (const book of allBooks) { |
|  | books.append(createBookItem(book)); |
|  | } |
|  | } |
|  |  |
|  | async function addBook() { |
|  |  |
|  | let [title, author, isbn] = $("#newBooksFiels input").map((i, item) => $(item).val()); |
|  |  |
|  | if (title && author && isbn) { |
|  | let data = { |
|  | title, |
|  | author, |
|  | isbn |
|  | } |
|  | $("#newBooksFiels > input").val("") |
|  | let res = await $.ajax({ |
|  | method: "POST", |
|  | url: baseUrl, |
|  | headers: requestHeaders, |
|  | data: JSON.stringify(data) |
|  | }); |
|  |  |
|  | let newBook = createBookItem(res); |
|  |  |
|  | $("#books").append(newBook); |
|  | } |
|  | } |
|  |  |
|  | function createBookItem(b) { |
|  | let li = $("<li>"); |
|  | let content = $(`<span>Title: ${b.title}; Author: ${b.author}; ISBN: ${b.isbn}; </span>`); |
|  | content.append($(`<a href="#">[Delete]</a>`).click(() => { |
|  | $.ajax({ |
|  | method: "DELETE", |
|  | url: baseUrl + `/${b.\_id}`, |
|  | headers: requestHeaders |
|  | }).then(() => { |
|  | li.remove(); |
|  | }); |
|  | })); |
|  | li.append(content); |
|  |  |
|  | return li; |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="scripts/3\_Books.js"></script> |
|  | </head> |
|  |  |
|  | <body> |
|  | <div> |
|  | <ul id="books"> |
|  | </ul> |
|  | </div> |
|  | <div> |
|  | <fieldset id="newBooksFiels"> |
|  | <label>Title</label> |
|  | <input type="text" /> |
|  | <label>Author</label> |
|  | <input type="text" /> |
|  | <label>ISBN</label> |
|  | <input type="text" /> |
|  | <button id="add">Add</button> |
|  | </fieldset> |
|  | </div> |
|  | <script> |
|  | attachEvents(); |
|  | </script> |
|  | </body> |
|  |  |
|  | </html> |

|  |
| --- |
| function startApp() { |
|  | const kinveyBaseUrl = "https://baas.kinvey.com/"; |
|  | const kinveyAppKey = "kid\_S1agMOFr"; |
|  | const kinveyAppSecret = "f54c4354d4fe43268769694d219be58b"; |
|  | const kinveyAppAuthHeaders = { |
|  | "Authorization": "Basic " + btoa(kinveyAppKey + ":" + kinveyAppSecret) |
|  | }; |
|  |  |
|  | sessionStorage.clear(); |
|  | showHideMenuLinks(); |
|  | showView('viewHome'); |
|  |  |
|  | $('#linkHome').click(showHomeView); |
|  | $('#linkLogin').click(showLoginView); |
|  | $('#linkRegister').click(showRegisterView); |
|  | $('#linkListBooks').click(listBooks); |
|  | $('#linkCreateBook').click(showCreateBookView); |
|  | $('#linkLogout').click(logoutUser); |
|  |  |
|  | $('#buttonLoginUser').click(loginUser); |
|  | $('#buttonRegisterUser').click(registerUser); |
|  | $('#buttonCreateBook').click(createBook); |
|  | $('#buttonEditBook').click(editBook); |
|  |  |
|  | $('#infoBox, #errorBox').click(function () { |
|  | $(this).fadeOut(); |
|  | }); |
|  |  |
|  | $(document).on({ |
|  | ajaxStart: function () { |
|  | $('#loadingBox').show(); |
|  | }, |
|  | ajaxStop: function () { |
|  | $('#loadingBox').hide(); |
|  | } |
|  | }); |
|  |  |
|  | function showHideMenuLinks() { |
|  | $('#linkHome').show(); |
|  |  |
|  | if(sessionStorage.getItem('authToken')) { |
|  | $('#linkLogin').hide(); |
|  | $('#linkRegister').hide(); |
|  | $('#linkListBooks').show(); |
|  | $('#linkCreateBook').show(); |
|  | $('#linkLogout').show(); |
|  | } else { |
|  | $('#linkLogin').show(); |
|  | $('#linkRegister').show(); |
|  | $('#linkListBooks').hide(); |
|  | $('#linkCreateBook').hide(); |
|  | $('#linkLogout').hide(); |
|  | } |
|  | } |
|  |  |
|  | function showView(viewName) { |
|  | $('main > section').hide(); |
|  | $('#' + viewName).show(); |
|  | } |
|  |  |
|  | function showHomeView() { |
|  | showView('viewHome'); |
|  | } |
|  |  |
|  | function showLoginView() { |
|  | showView('viewLogin'); |
|  | $('#formLogin').trigger('reset'); |
|  | } |
|  |  |
|  | function showRegisterView() { |
|  | $('#formRegister').trigger('reset'); |
|  | showView('viewRegister'); |
|  | } |
|  |  |
|  | function showCreateBookView() { |
|  | $('#formCreateBook').trigger('reset'); |
|  | showView('viewCreateBook'); |
|  | } |
|  |  |
|  | function loginUser() { |
|  | let userData = { |
|  | username: $('#formLogin input[name=username]').val(), |
|  | password: $('#formLogin input[name=passwd]').val() |
|  | }; |
|  |  |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: kinveyBaseUrl + "user/" + kinveyAppKey + "/login", |
|  | headers: kinveyAppAuthHeaders, |
|  | data: userData, |
|  | success: loginSuccess, |
|  | error: handleAjaxError |
|  | }); |
|  |  |
|  | function loginSuccess(userInfo) { |
|  | saveAuthInSession(userInfo); |
|  | showHideMenuLinks(); |
|  | listBooks(); |
|  | showInfo('Login successful.'); |
|  | } |
|  | } |
|  |  |
|  | function registerUser() { |
|  | let userData = { |
|  | username: $('#formRegister input[name=username]').val(), |
|  | password: $('#formRegister input[name=passwd]').val() |
|  | }; |
|  |  |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: kinveyBaseUrl + "user/" + kinveyAppKey + "/", |
|  | headers: kinveyAppAuthHeaders, |
|  | data: userData, |
|  | success: registerSuccess, |
|  | error: handleAjaxError |
|  | }); |
|  |  |
|  | function registerSuccess(userInfo) { |
|  | saveAuthInSession(userInfo); |
|  | showHideMenuLinks(); |
|  | listBooks(); |
|  | showInfo('User registration successful.'); |
|  | } |
|  | } |
|  |  |
|  | function saveAuthInSession(userInfo) { |
|  | let userAuth = userInfo.\_kmd.authtoken; |
|  | sessionStorage.setItem('authToken', userAuth); |
|  | let userId = userInfo.\_id; |
|  | sessionStorage.setItem('userId', userId); |
|  | let username = userInfo.username; |
|  | $('#loggedInUser').text("Welcome, " + username + "!"); |
|  | } |
|  |  |
|  | function handleAjaxError(response) { |
|  | let errorMsg = JSON.stringify(response); |
|  | if(response.readyState === 0) { |
|  | errorMsg = "Cannot connect due to network error."; |
|  | } |
|  | if(response.responseJSON && response.responseJSON.description) { |
|  | errorMsg = response.responseJSON.description; |
|  | } |
|  |  |
|  | showError(errorMsg); |
|  | } |
|  |  |
|  | function showInfo(message) { |
|  | $('#infoBox').text(message); |
|  | $('#infoBox').show(); |
|  | setTimeout(function () { |
|  | $('#infoBox').fadeOut(); |
|  | }, 3000); |
|  | } |
|  |  |
|  | function showError(errorMsg) { |
|  | $('#errorBox').text("Error: " + errorMsg); |
|  | $('#errorBox').show(); |
|  | } |
|  |  |
|  | function logoutUser() { |
|  | sessionStorage.clear(); |
|  | $('#loggedInUser').text(''); |
|  | showHideMenuLinks(); |
|  | showView('viewHome'); |
|  | showInfo('Logout successful.') |
|  | } |
|  |  |
|  | function listBooks() { |
|  | $('#books').empty(); |
|  | showView('viewBooks'); |
|  |  |
|  | $.ajax({ |
|  | method: "GET", |
|  | url: kinveyBaseUrl + "appdata/" + kinveyAppKey + "/books", |
|  | headers: getKinveyUserAuthHeaders(), |
|  | success: loadBooksSuccess, |
|  | error: handleAjaxError |
|  | }); |
|  |  |
|  | function loadBooksSuccess(books) { |
|  | showInfo('Books loaded.'); |
|  | if(books.length == 0) { |
|  | $('#books').text('No books in the library.'); |
|  | } else { |
|  | let booksTable = $('<table>') |
|  | .append($('<tr>') |
|  | .append('<th>Title</th><th>Author</th>', '<th>Description</th><th>Actions</th>')); |
|  |  |
|  | for(let book of books){ |
|  | appendBookRow(book, booksTable); |
|  | } |
|  |  |
|  | $('#books').append(booksTable) |
|  | } |
|  |  |
|  | function appendBookRow(book, booksTable) { |
|  | let links = []; |
|  | if(book.\_acl.creator == sessionStorage['userId']) { |
|  | let deleteLink = $('<a href="#">[Delete]</a>').click(function () { |
|  | deleteBook(book); |
|  | }); |
|  | let editLink = $('<a href="#">[Edit]</a>').click(function () { |
|  | loadBookForEdit(book); |
|  | }); |
|  |  |
|  | links = [deleteLink, ' ', editLink]; |
|  | } |
|  |  |
|  | booksTable.append($('<tr>') |
|  | .append($('<td>').text(book.title), $('<td>').text(book.author), $('<td>').text(book.description), $('<td>').append(links) |
|  | )); |
|  | } |
|  | } |
|  | } |
|  |  |
|  | function getKinveyUserAuthHeaders() { |
|  | return { |
|  | "Authorization": "Kinvey " + sessionStorage.getItem('authToken') |
|  | }; |
|  | } |
|  |  |
|  | function createBook() { |
|  | let bookData = { |
|  | title: $('#formCreateBook input[name=title]').val(), |
|  | author: $('#formCreateBook input[name=author]').val(), |
|  | description: $('#formCreateBook textarea[name=descr]').val() |
|  | }; |
|  |  |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: kinveyBaseUrl + "appdata/" + kinveyAppKey + "/books", |
|  | headers: getKinveyUserAuthHeaders(), |
|  | data: bookData, |
|  | success: createBookSuccess, |
|  | error: handleAjaxError |
|  | }); |
|  |  |
|  | function createBookSuccess(response) { |
|  | listBooks(); |
|  | showInfo('Book created.'); |
|  | } |
|  | } |
|  |  |
|  | function loadBookForEdit(book) { |
|  | $.ajax({ |
|  | method: "GET", |
|  | url: kinveyBaseUrl + "appdata/" + kinveyAppKey + "/books/" + book.\_id, |
|  | headers: getKinveyUserAuthHeaders(), |
|  | success: loadBookForEditSuccess, |
|  | error: handleAjaxError |
|  | }); |
|  |  |
|  | function loadBookForEditSuccess(book) { |
|  | $('#formEditBook input[name=id]').val(book.\_id); |
|  | $('#formEditBook input[name=title]').val(book.title); |
|  | $('#formEditBook input[name=author]').val(book.author); |
|  | $('#formEditBook textarea[name=descr]').val(book.description); |
|  |  |
|  | showView('viewEditBook'); |
|  | } |
|  | } |
|  |  |
|  | function editBook() { |
|  | let bookData = { |
|  | title: $('#formEditBook input[name=title]').val(), |
|  | author: $('#formEditBook input[name=author]').val(), |
|  | description: $('#formEditBook textarea[name=descr]').val() |
|  | }; |
|  |  |
|  | $.ajax({ |
|  | method: "PUT", |
|  | url: kinveyBaseUrl + "appdata/" + kinveyAppKey + "/books/" + $('#formEditBook input[name=id]').val(), |
|  | headers: getKinveyUserAuthHeaders(), |
|  | data: bookData, |
|  | success: editBookSuccess, |
|  | error: handleAjaxError |
|  | }); |
|  |  |
|  | function editBookSuccess(response) { |
|  | listBooks(); |
|  | showInfo('Book edited.'); |
|  | } |
|  | } |
|  |  |
|  | function deleteBook(book) { |
|  | $.ajax({ |
|  | method: "DELETE", |
|  | url: kinveyBaseUrl + "appdata/" + kinveyAppKey + "/books/" + book.\_id, |
|  | headers: getKinveyUserAuthHeaders(), |
|  | success: deleteBookSuccess, |
|  | error: handleAjaxError |
|  | }); |
|  |  |
|  | function deleteBookSuccess(response) { |
|  | listBooks(); |
|  | showInfo('Book deleted.'); |
|  | } |
|  | } |
|  | } |

## 4.Students

function createStudentAndListStudents(){

let baseUrl = "https://baas.kinvey.com/appdata/kid\_BJXTsSi-e/students";

let kinveyUsername = "guest";

let kinveyPassword = "guest";

let base64Auth = btoa(kinveyUsername + ":" + kinveyPassword);

loadStudents();

$("#addStudent").click(addStudent);

function loadStudents(){

let request = {

url: baseUrl,

method: "GET",

headers: {

"Authorization": "Basic " + base64Auth

}

};

$.get(request).then(displayStudents);

}

function displayStudents(students){

let $tableResults = $("#results");

$tableResults.find("tr").nextAll().remove();

students = students.sort((a, b) => a.ID - b.ID);

for (let student of students){

let $tr = $("<tr>");

let $tdID = $("<td>").text(student.ID);

let $tdFirstName = $("<td>").text(student.FirstName);

let $tdLastName = $("<td>").text(student.LastName);

let $tdFacultyNumber = $("<td>").text(student.FacultyNumber);

let $tdGrade = $("<td>").text(student.Grade);

$tr.append($tdID, $tdFirstName, $tdLastName, $tdFacultyNumber, $tdGrade);

$tableResults.append($tr);

}

}

function addStudent(event){

event.preventDefault();

let id = Number($("#ID").val());

let firstName = $("#firstName").val();

let lastName = $("#lastName").val();

let facultyNumber = $("#facultyNumber").val();

let grade = Number($("#grade").val());

let facultyNumberPattern = /^\d+$/;

if (firstName.trim() != "" && lastName.trim() != "" && facultyNumberPattern.test(facultyNumber)){

let request = {

url: baseUrl,

method: "POST",

headers: {

"Authorization": "Basic " + base64Auth,

"Content-type": "application/json"

},

data: JSON.stringify({

ID: id,

FirstName: firstName,

LastName: lastName,

FacultyNumber: facultyNumber,

Grade: grade

})

};

$.ajax(request)

.then(loadStudents)

.then(clearInputs);

}

function clearInputs(){

$("#ID").val("");

$("#firstName").val("");

$("#lastName").val("");

$("#facultyNumber").val("");

$("#grade").val("");

}

}

}

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Shit</title>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

<style>

#results {

background-color: #FFFFFF;

display: flex;

flex-direction: column;

text-align: center;

}

#results tr {

background-color: #AAAAAA;

padding: 5vh;

font-size: 1.5vw;

}

#results tr:nth-child(odd) {

background-color: #808080;

}

#results tr:first-child {

background-color: #000000;

color: #FFFFFF;

font-weight: bold;

font-size: 2vw;

}

#results tr th {

padding: 1vw;

}

#results tr td {

padding: 1vw;

transition: font-size 0.2s;

}

#results tr:not(:first-child):hover {

background-color: #F0F8FF;

color: #000000;

font-size: 2.25vw;

}

</style>

</head>

<body>

<table id="results">

<tr>

<th>ID</th>

<th>First Name</th>

<th>Last Name</th>

<th>Faculty Number</th>

<th>Grade</th>

</tr>

</table>

<br/>

<form id="newStudent">

<label for="ID">ID:</label>

<input type="number" id="ID" min="1"/>

<label for="firstName">First Name:</label>

<input type="text" id="firstName"/>

<label for="lastName">Last Name:</label>

<input type="text" id="lastName"/>

<label for="facultyNumber">Faculty Number:</label>

<input type="text" id="facultyNumber"/>

<label for="grade">Grade:</label>

<input type="number" id="grade" step="0.01" min="2" max="6"/>

<button type="submit" id="addStudent">Add Student</button>

</form>

<script src="04Students.js"></script>

<script>createStudentAndListStudents()</script>

</body>

</html>

|  |
| --- |
| function students() { |
|  | let baseSurviceUrl = "https://baas.kinvey.com/appdata/kid\_BJXTsSi-e/students"; |
|  | let kinveyUsername = "guest"; |
|  | let kinveyPassword = "guest"; |
|  | let base64Auth = btoa(kinveyUsername + ":" + kinveyPassword); |
|  |  |
|  | loadStudents(); |
|  |  |
|  | function loadStudents() { |
|  | let request = { |
|  | url: baseSurviceUrl, |
|  | method: "GET", |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.get(request) |
|  | .then(displayStudents); |
|  | } |
|  |  |
|  | function displayStudents(students) { |
|  | $('#results').find('tr').nextAll().remove(); |
|  | students = students.sort((a,b) => a.ID - b.ID); |
|  | for(let student of students){ |
|  | $("#results") |
|  | .append($('<tr>') |
|  | .append($('<td>').text(student.ID)) |
|  | .append($('<td>').text(student.FirstName)) |
|  | .append($('<td>').text(student.LastName)) |
|  | .append($('<td>').text(student.FacultyNumber)) |
|  | .append($('<td>').text(student.Grade)) |
|  | ); |
|  | } |
|  | } |
|  |  |
|  | $('#addStudent').click(function (ev) { |
|  | ev.preventDefault(); |
|  | let ID = Number($('#ID').val()); |
|  | let FirstName = $('#FirstName').val(); |
|  | let LastName = $('#LastName').val(); |
|  | let FacultyNumber = $('#FacultyNumber').val(); |
|  | let Grade = Number($('#Grade').val()); |
|  |  |
|  | let facultyNumberRegex = /^\d+$/; |
|  |  |
|  | if(FirstName.trim() != "" && LastName.trim() != "" && facultyNumberRegex.test(FacultyNumber)){ |
|  | let request = { |
|  | url: baseSurviceUrl, |
|  | method: "POST", |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify({ |
|  | ID: ID, |
|  | FirstName: FirstName, |
|  | LastName: LastName, |
|  | FacultyNumber: FacultyNumber, |
|  | Grade: Grade |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(loadStudents); |
|  | } |
|  | }); |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Students</title> |
|  | <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script> |
|  | <style> |
|  | #results { |
|  | background-color: #FFFFFF; |
|  | display: flex; |
|  | flex-direction: column; |
|  | text-align: center; |
|  | } |
|  |  |
|  | #results tr { |
|  | background-color: #AAAAAA; |
|  | padding: 5vh; |
|  | font-size: 1.5vw; |
|  | } |
|  |  |
|  | #results tr:nth-child(odd) { |
|  | background-color: #808080; |
|  | } |
|  |  |
|  | #results tr:first-child { |
|  | background-color: #000000; |
|  | color: #FFFFFF; |
|  | font-weight: bold; |
|  | font-size: 2vw; |
|  | } |
|  |  |
|  | #results tr th { |
|  | padding: 1vw; |
|  | } |
|  |  |
|  | #results tr td { |
|  | padding: 1vw; |
|  | transition: font-size 0.2s; |
|  | } |
|  |  |
|  | #results tr:not(:first-child):hover { |
|  | background-color: #F0F8FF; |
|  | color: #000000; |
|  | font-size: 2.25vw; |
|  | } |
|  |  |
|  | input { |
|  | display: block; |
|  | } |
|  |  |
|  | </style> |
|  | </head> |
|  | <body> |
|  | <table id="results"> |
|  | <tr> |
|  | <th>ID</th> |
|  | <th>First Name</th> |
|  | <th>Last Name</th> |
|  | <th>Faculty Number</th> |
|  | <th>Grade</th> |
|  | </tr> |
|  | </table> |
|  | <form id="newStudentForm"> |
|  | <label for="ID">ID:</label> |
|  | <input type="number" id="ID" min="1"/> |
|  | <label for="FirstName">First Name:</label> |
|  | <input type="text" id="FirstName" /> |
|  | <label for="LastName">Last Name:</label> |
|  | <input type="text" id="LastName" /> |
|  | <label for="FacultyNumber">Faculty Number:</label> |
|  | <input type="number" id="FacultyNumber" min="1"/> |
|  | <label for="Grade">Grade:</label> |
|  | <input type="number" id="Grade" step="0.01" min="2" max="6"/> |
|  | <button type="submit" id="addStudent">Add Student</button> |
|  | </form> |
|  | <script src="students.js"></script> |
|  | <script>students()</script> |
|  | </body> |
|  | </html> |

|  |
| --- |
| function attachEvents() { |
|  | const baseUrl = "https://baas.kinvey.com/appdata/kid\_BJXTsSi-e/students"; |
|  | const auth = `Basic ${btoa("guest:guest")}`; |
|  | const requestHeaders = { |
|  | "Authorization": auth, |
|  | "Content-type": "application/json" |
|  | } |
|  |  |
|  |  |
|  | $(loadStudents()); |
|  | $("#add").click(addStudent); |
|  |  |
|  | async function loadStudents() { |
|  | console.log("IN loads"); |
|  |  |
|  | let students = await $.ajax({ |
|  | method: "GET", |
|  | url: baseUrl, |
|  | headers: requestHeaders |
|  | }); |
|  | console.log(students); |
|  |  |
|  | console.log("After await"); |
|  |  |
|  | $("#results tr:not(:first-child)").remove(); |
|  | let table = $("#results"); |
|  | let orderedStudents = students.sort((a, b) => { |
|  | return Number(a.ID) - Number(b.ID); |
|  | }) |
|  | for (const student of orderedStudents) { |
|  | table.append($(`<tr>`) |
|  | .append($(`<td>${student.ID}</td>`)) |
|  | .append($(`<td>${student.FirstName}</td>`)) |
|  | .append($(`<td>${student.LastName}</td>`)) |
|  | .append($(`<td>${student.FacultyNumber}</td>`)) |
|  | .append($(`<td>${student.Grade}</td>`))) |
|  | } |
|  | } |
|  |  |
|  | function addStudent() { |
|  | let [ID, FirstName, LastName, FacultyNumber, Grade] = $("#studentData input").map((i, item) => $(item).val()); |
|  |  |
|  | if (ID, FirstName, LastName, FacultyNumber, Grade) { |
|  | $("#studentData input").val(""); |
|  | let data = { |
|  | ID: Number(ID), |
|  | FirstName, |
|  | LastName, |
|  | FacultyNumber, |
|  | Grade: Number(Grade) |
|  | } |
|  |  |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: baseUrl, |
|  | headers: requestHeaders, |
|  | data: JSON.stringify(data) |
|  | }).then(() => { |
|  | loadStudents(); |
|  | }) |
|  | } |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Not Shit</title> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="/scripts/4\_Students.js"></script> |
|  | <style> |
|  | #results { |
|  | background-color: #FFFFFF; |
|  | display: flex; |
|  | flex-direction: column; |
|  | text-align: center; |
|  | } |
|  |  |
|  | #results tr { |
|  | background-color: #AAAAAA; |
|  | padding: 5vh; |
|  | font-size: 1.5vw; |
|  | } |
|  |  |
|  | #results tr:nth-child(odd) { |
|  | background-color: #808080; |
|  | } |
|  |  |
|  | #results tr:first-child { |
|  | background-color: #000000; |
|  | color: #FFFFFF; |
|  | font-weight: bold; |
|  | font-size: 2vw; |
|  | } |
|  |  |
|  | #results tr th { |
|  | padding: 1vw; |
|  | } |
|  |  |
|  | #results tr td { |
|  | padding: 1vw; |
|  | transition: font-size 0.2s; |
|  | } |
|  |  |
|  | #results tr:not(:first-child):hover { |
|  | background-color: #F0F8FF; |
|  | color: #000000; |
|  | font-size: 2.25vw; |
|  | } |
|  | </style> |
|  | </head> |
|  |  |
|  | <body> |
|  | <fieldset id="studentData"> |
|  | <label>ID</label> |
|  | <input type="number" /> |
|  | <label>FirstName</label> |
|  | <input type="text" /> |
|  | <label>LastName</label> |
|  | <input type="text" /> |
|  | <label>FacultyNumber</label> |
|  | <input type="text" /> |
|  | <label>Grade</label> |
|  | <input type="number" /> |
|  | <button id="add">Add</button> |
|  | </fieldset> |
|  | <table id="results"> |
|  | <tr> |
|  | <th>ID</th> |
|  | <th>First Name</th> |
|  | <th>Last Name</th> |
|  | <th>Faculty Number</th> |
|  | <th>Grade</th> |
|  | </tr> |
|  | </table> |
|  | <script> |
|  | attachEvents(); |
|  | </script> |
|  | </body> |
|  |  |
|  | </html> |

## 5.Countries & Towns

function operateWithCountriesAndTowns(){

let baseUrl = "https://baas.kinvey.com/appdata/kid\_H1y9kL-\_N/";

let kinveyUsername = "guest";

let kinveyPassword = "guest";

let base64Auth = btoa(kinveyUsername + ":" + kinveyPassword);

attachEvents();

loadCountries();

function attachEvents(){

$('#btnAddCountry').click(addCountry);

$('#btnDeleteCountry').click(deleteCountry);

$('#btnEditCountry').click(editCountry);

$('#btnListTowns').click(loadTowns);

$('#addCountry').click(fadeInNewCountry);

$('#addTown').click(fadeInNewTown);

$('#btnAddTown').click(addTown);

$('#btnDeleteTown').click(deleteTown);

$('#btnEditTown').click(editTown);

}

function loadCountries(){

let request = {

method: 'GET',

url: baseUrl + 'countries',

headers: {'Authorization': 'Basic ' + base64Auth}

};

$.ajax(request).then(displayCountries);

}

function displayCountries(countries){

let $countriesSelect = $('#countries');

$countriesSelect.empty();

for (let country of countries){

let $option = $('<option>').val(country.\_id).text(country.name);

$countriesSelect.append($option);

}

}

function addCountry(){

let $newCountry = $('#newCountry');

let countryName = $newCountry.val();

if (!$('#countries option').toArray().some(c => $(c).text() == countryName)){

let request = {

method: 'POST',

url: baseUrl + 'countries',

headers: {

"Authorization": "Basic " + base64Auth,

"Content-type": "application/json"

},

data: JSON.stringify({

name: countryName

})

};

$.ajax(request)

.then(function(){

$('.add:first').fadeOut();

loadCountries();

$newCountry.val('');

});

}

else {

let $errorDiv = $('#errorDiv');

$errorDiv.text('This country exist already in the list!');

$errorDiv.fadeIn();

$('.sdd:first').fadeOut();

setTimeout(function () {

$errorDiv.fadeOut()

}, 3000);

$newCountry.val('');

}

}

function deleteCountry(){

let countryToDeleteId = $('#countries option:selected').val();

let request = {

method: 'DELETE',

url: baseUrl + 'countries/' + countryToDeleteId,

headers: {'Authorization': 'Basic ' + base64Auth}

};

$.ajax(request).then(loadCountries);

}

function editCountry() {

let $countryToEditOption = $('#countries option:selected');

let $inputEditCountry = $('#inputEditCountry');

let $divEditCountry = $('#editCountry');

let countryToEditId = $countryToEditOption.val();

$inputEditCountry.val($countryToEditOption.text());

$divEditCountry.fadeIn();

$('#btnEditCountryName').click(function () {

let request = {

method: "PUT",

url: baseUrl + "countries/" + countryToEditId,

headers: {

"Authorization": "Basic " + base64Auth,

"Content-type": "application/json"

},

data: JSON.stringify({

name: $inputEditCountry.val()

})

};

$.ajax(request)

.then(function () {

loadCountries();

$inputEditCountry.val('');

$divEditCountry.fadeOut();

});

})

}

function loadTowns(){

let country = $('#countries option:selected').text();

let request = {

method: 'GET',

url: baseUrl + 'towns',

headers: {'Authorization': 'Basic ' + base64Auth}

};

$.ajax(request)

.then(function(towns){

let $townsSelect = $('#towns');

$townsSelect.empty();

let townsInCountry = towns.filter(t => t.country == country);

for (let town of townsInCountry){

let $option = $('<option>').val(town.\_id).text(town.name);

$townsSelect.append($option);

}

});

}

function fadeInNewCountry(){

$('.add:first').fadeIn();

}

function fadeInNewTown(){

$('.add:last').fadeIn();

}

function addTown(){

let $newTownCountry = $('#newTownCountry');

let $newTown = $('#newTown');

let countryName = $newTownCountry.val();

let townName = $newTown.val();

if ($('#countries option').toArray().some(c => $(c).text() == countryName)){

let request = {

method: 'POST',

url: baseUrl + 'towns',

headers: {

"Authorization": "Basic " + base64Auth,

"Content-type": "application/json"

},

data: JSON.stringify({

name: townName,

country: countryName

})

};

$.ajax(request)

.then(function(){

loadTowns();

$('.add:last').fadeOut();

$newTownCountry.val('');

$newTown.val('');

});

}

else{

let $errorDiv = $('#errorDiv');

$errorDiv.text('This country does not exist in the list!');

$errorDiv.fadeIn();

$('.add:last').fadeOut();

setTimeout(function () {

$errorDiv.fadeOut()

}, 3000);

$newTownCountry.val('');

$newTown.val('');

}

}

function deleteTown(){

let townToDeleteId = $('#towns option:selected').val();

let request = {

method: 'DELETE',

url: baseUrl + 'towns/' + townToDeleteId,

headers: {'Authorization': 'Basic ' + base64Auth}

};

$.ajax(request).then(loadTowns);

}

function editTown(){

let $townToEditOption = $('#towns option:selected');

let $inpupEditTownName = $('#inputEditTownName');

let $inputEditTownCountry = $('#inputEditTownCountry');

let $divEditTown = $('#editTown');

let townToEditId = $townToEditOption.val();

$inpupEditTownName.val($townToEditOption.text());

$inputEditTownCountry.val('');

$divEditTown.fadeIn();

$('#btnEditTownName').click(function(){

let request = {

method: 'PUT',

url: baseUrl + 'towns/' + townToEditId,

headers: {

"Authorization": "Basic " + base64Auth,

"Content-type": "application/json"

},

data: JSON.stringify({

name: $inpupEditTownName.val(),

country: $inputEditTownCountry.val()

})

};

$.ajax(request)

.then(function(){

loadTowns();

$inpupEditTownName.val('');

$inputEditTownCountry.val('');

$divEditTown.fadeOut();

});

});

}

}

<!DOCTYPE html>

    <html lang="en">

    <head>

     <meta charset="UTF-8">

     <title>Countries & Towns</title>

     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

     <style>

     .half {

     width: 25%;

     display: inline-block;

     margin-bottom: 30px;

     }

     .add {

     margin-top: 30px;

     }

     .half > .title {

     font-size: 30px;

     text-align: center;

     }

     .half .controls {

     text-align: center;

     }

     select {

     width: 100%;

     font-size: 15px;

     text-align: center;

     }

     #editCountry, #editTown, .add{

     display: none;

     }

     #errorDiv {

     background-color: red;

     display: none;

     height: 30px;

     color: white;

     width: 50%;

     text-align: center;

     font-size: 20px;

     }

     </style>

    </head>

    <body>

    <div id="errorDiv">

    </div>

    <div class="half">

     <div class="title">Countries</div>

     <select id="countries" size="10">

     </select>

     <div class="controls">

     <button id="addCountry">Add Country</button>

     <button id="btnDeleteCountry">Delete Country</button>

     <button id="btnEditCountry">Edit Country</button>

     <button id="btnListTowns">List Towns</button>

     </div>

    </div>

    <div class="half">

     <div class="title">Towns</div>

     <select id="towns" size="10">

     </select>

     <div class="controls">

     <button id="addTown">Add Town</button>

     <button id="btnDeleteTown">Delete Town</button>

     <button id="btnEditTown">Edit Town</button>

     </div>

    </div>

    <div id="editCountry">

     <label for="inputEditCountry">New Country Name:</label>

     <input type="text" id="inputEditCountry" />

     <button id="btnEditCountryName">Edit now</button>

    </div>

    <div id="editTown">

     <label for="inputEditTownName">New Town Name:</label>

     <input type="text" id="inputEditTownName" />

     <label for="inputEditTownCountry">New Country Name:</label>

     <input type="text" id="inputEditTownCountry" />

     <button id="btnEditTownName">Edit now</button>

    </div>

    <div class="add">

     <label for="newCountry">Name:</label>

     <input type="text" id="newCountry" />

     <button id="btnAddCountry">Add Country</button>

    </div>

    <div class="add">

     <label for="newTown">Name:</label>

     <input type="text" id="newTown" />

     <label for="newTownCountry">Country:</label>

     <input type="text" id="newTownCountry" />

     <button id="btnAddTown">Add Town</button>

    </div>

    <script src="05CountriesAndTowns.js"></script>

    <script>operateWithCountriesAndTowns()</script>

    </body>

    </html>

|  |
| --- |
| function countriesAndTowns() { |
|  | let baseUrl = "https://baas.kinvey.com/appdata/kid\_B1EfX0bze/"; |
|  | let base64Auth = btoa("guest:guest"); |
|  |  |
|  | attachEvents(); |
|  | loadCountries(); |
|  |  |
|  | function attachEvents() { |
|  | $('#btnAddCountry').click(addCountry); |
|  | $('#btnEditCountry').click(editCountry); |
|  | $('#btnDeleteCountry').click(deleteCountry); |
|  | $('#addCountry').click(function () { |
|  | $('.add:first').fadeIn(); |
|  | }); |
|  | $('#addTown').click(function () { |
|  | $('.add:last').fadeIn(); |
|  | }); |
|  | $('#btnAddTown').click(addTown); |
|  | $('#btnListTowns').click(loadTowns); |
|  | $('#btnEditTown').click(editTown); |
|  | $('#btnDeleteTown').click(deleteTown); |
|  | } |
|  |  |
|  | function addCountry() { |
|  | let countryName = $('#newCountry').val(); |
|  |  |
|  | if(! $('#countries option').toArray().some(c => $(c).text() == countryName)){ |
|  | let request = { |
|  | method: "POST", |
|  | url: baseUrl + "countries", |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify({ |
|  | name: countryName |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(function(){ |
|  | $('.add:first').fadeOut(); |
|  | loadCountries(); |
|  | $('#newCountry').val(''); |
|  | }); |
|  | } else { |
|  | $('#errorDiv').text("Country already in the list."); |
|  | $('#errorDiv').fadeIn(); |
|  | $('.add:first').fadeOut(); |
|  | setTimeout(function () { |
|  | $('#errorDiv').fadeOut() |
|  | }, 3000); |
|  | $('#newCountry').val(''); |
|  | } |
|  | } |
|  |  |
|  | function addTown() { |
|  | let countryName = $('#newTownCountry').val(); |
|  | let townName = $('#newTown').val(); |
|  |  |
|  | if($('#countries option').toArray().some(c => $(c).text() == countryName)){ |
|  | let request = { |
|  | method: "POST", |
|  | url: baseUrl + "towns", |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify({ |
|  | name: townName, |
|  | country: countryName |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(function(){ |
|  | loadTowns(); |
|  | $('.add:last').fadeOut(); |
|  | $('#newTown').val(''); |
|  | $('#newTownCountry').val(''); |
|  | }); |
|  | } else { |
|  | $('#errorDiv').text("Country does not exist in the list."); |
|  | $('#errorDiv').fadeIn(); |
|  | $('.add:last').fadeOut(); |
|  | setTimeout(function () { |
|  | $('#errorDiv').fadeOut() |
|  | }, 3000); |
|  | $('#newTown').val(''); |
|  | $('#newTownCountry').val(''); |
|  | } |
|  | } |
|  |  |
|  | function loadCountries() { |
|  | let request = { |
|  | method: "GET", |
|  | url: baseUrl + "countries", |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(displayCountries); |
|  | } |
|  |  |
|  | function displayCountries(countries) { |
|  | $('#countries').empty(); |
|  | for(let country of countries){ |
|  | $('#countries') |
|  | .append($('<option>').val(country.\_id).text(country.name)); |
|  | } |
|  | } |
|  |  |
|  |  |
|  | function loadTowns() { |
|  | let country = $('#countries option:selected').text(); |
|  |  |
|  | let request = { |
|  | method: "GET", |
|  | url: baseUrl + "towns", |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(function (towns) { |
|  | $('#towns').empty(); |
|  | towns = towns.filter(t => t.country == country); |
|  |  |
|  | for(let town of towns){ |
|  | $('#towns') |
|  | .append($('<option>').val(town.\_id).text(town.name)); |
|  | } |
|  | }); |
|  | } |
|  |  |
|  | function editCountry() { |
|  | let countryToEdit = $('#countries option:selected').val(); |
|  | $('#inputEditCountry').val($('#countries option:selected').text()); |
|  | $('#editCountry').fadeIn(); |
|  |  |
|  | $('#editCoun').click(function () { |
|  | let request = { |
|  | method: "PUT", |
|  | url: baseUrl + "countries/" + countryToEdit, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify({ |
|  | name: $('#inputEditCountry').val() |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(function () { |
|  | loadCountries(); |
|  | $('#inputEditCountry').val(''); |
|  | $('#editCountry').fadeOut(); |
|  | }); |
|  | }) |
|  | } |
|  |  |
|  | function editTown() { |
|  | let townToEdit = $('#towns option:selected').val(); |
|  | $('#inputEditTownName').val($('#towns option:selected').text()); |
|  | $('#inputEditTownCountry').val(''); |
|  | $('#editTown').fadeIn(); |
|  |  |
|  | $('#editTownn').click(function () { |
|  | let request = { |
|  | method: "PUT", |
|  | url: baseUrl + "towns/" + townToEdit, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify({ |
|  | name: $('#inputEditTownName').val(), |
|  | country: $('#inputEditTownCountry').val() |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(function () { |
|  | loadTowns(); |
|  | $('#inputEditTownName').val(''); |
|  | $('#inputEditTownCountry').val(''); |
|  | $('#editTown').fadeOut(); |
|  | }); |
|  | }) |
|  | } |
|  |  |
|  | function deleteCountry() { |
|  | let countryToDelete = $('#countries option:selected').val(); |
|  |  |
|  | let request = { |
|  | method: "DELETE", |
|  | url: baseUrl + "countries/" + countryToDelete, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(loadCountries) |
|  | } |
|  |  |
|  | function deleteTown() { |
|  | let townToDelete = $('#towns option:selected').val(); |
|  |  |
|  | let request = { |
|  | method: "DELETE", |
|  | url: baseUrl + "towns/" + townToDelete, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(loadTowns); |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Countries & Towns</title> |
|  | <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script> |
|  | <style> |
|  | .half { |
|  | width: 25%; |
|  | display: inline-block; |
|  | margin-bottom: 30px; |
|  | } |
|  |  |
|  | .add { |
|  | margin-top: 30px; |
|  | } |
|  |  |
|  | .half > .title { |
|  | font-size: 30px; |
|  | text-align: center; |
|  | } |
|  |  |
|  | .half .controls { |
|  | text-align: center; |
|  | } |
|  |  |
|  | select { |
|  | width: 100%; |
|  | font-size: 15px; |
|  | text-align: center; |
|  | } |
|  |  |
|  | #editCountry, #editTown, .add{ |
|  | display: none; |
|  | } |
|  |  |
|  | #errorDiv { |
|  | background-color: red; |
|  | display: none; |
|  | height: 30px; |
|  | color: white; |
|  | width: 50%; |
|  | text-align: center; |
|  | font-size: 20px; |
|  | } |
|  | </style> |
|  | </head> |
|  | <body> |
|  | <div id="errorDiv"> |
|  | </div> |
|  | <div class="half"> |
|  | <div class="title">Countries</div> |
|  | <select id="countries" size="10"> |
|  | </select> |
|  |  |
|  | <div class="controls"> |
|  | <button id="addCountry">Add</button> |
|  | <button id="btnDeleteCountry">Delete</button> |
|  | <button id="btnEditCountry">Edit</button> |
|  | <button id="btnListTowns">List Towns</button> |
|  | </div> |
|  | </div> |
|  | <div class="half"> |
|  | <div class="title">Towns</div> |
|  | <select id="towns" size="10"> |
|  | </select> |
|  |  |
|  | <div class="controls"> |
|  | <button id="addTown">Add</button> |
|  | <button id="btnDeleteTown">Delete</button> |
|  | <button id="btnEditTown">Edit</button> |
|  | </div> |
|  | </div> |
|  | <div id="editCountry"> |
|  | <label for="inputEditCountry">New name:</label> |
|  | <input type="text" id="inputEditCountry" /> |
|  | <button id="editCoun">Edit now</button> |
|  | </div> |
|  | <div id="editTown"> |
|  | <label for="inputEditTownName">New name:</label> |
|  | <input type="text" id="inputEditTownName" /> |
|  | <label for="inputEditTownCountry">New country:</label> |
|  | <input type="text" id="inputEditTownCountry" /> |
|  | <button id="editTownn">Edit now</button> |
|  | </div> |
|  | <div class="add"> |
|  | <label for="newCountry">Name:</label> |
|  | <input type="text" id="newCountry" /> |
|  | <button id="btnAddCountry">Add Country</button> |
|  | </div> |
|  | <div class="add"> |
|  | <label for="newTown">Name:</label> |
|  | <input type="text" id="newTown" /> |
|  | <label for="newTownCountry">Country:</label> |
|  | <input type="text" id="newTownCountry" /> |
|  | <button id="btnAddTown">Add Town</button> |
|  | </div> |
|  | <script src="countries-and-towns.js"></script> |
|  | <script>countriesAndTowns()</script> |
|  | </body> |
|  | </html> |

|  |
| --- |
| const baseUrl = "https://baas.kinvey.com/appdata/kid\_HkS9g\_t9z/"; |
|  | const auth = `Basic ${btoa("guest:guest")}`; |
|  | const requestHeaders = { |
|  | "Authorization": auth, |
|  | "Content-type": "application/json" |
|  | } |
|  |  |
|  | function attachEvents() { |
|  | $(loadCountries()); |
|  | $("#closeCountryView").click(() => { |
|  | $("#countryModal input").val(""); |
|  | $("#towns tr:not(:first-child)").remove(); |
|  | $("#countryModal").hide(); |
|  | }) |
|  | $("#updateCountry").click(updateCountry) |
|  | $("#deleteCountry").click(deleteCountry) |
|  | $("#addTown").click(addTown); |
|  | $("#addCountryBtn").click(addCountry); |
|  | } |
|  |  |
|  | async function updateCountry() { |
|  | let countryId = $("#countryId").val(); |
|  | let countryName = $("#countryName").val(); |
|  | if (countryId && countryName) { |
|  | $("#updateCountry").attr("disabled", true); |
|  | $("#deleteCountry").attr("disabled", true); |
|  | let data = { |
|  | name: countryName |
|  | } |
|  |  |
|  | await $.ajax({ |
|  | method: "PUT", |
|  | url: baseUrl + `countries/${countryId}`, |
|  | headers: requestHeaders, |
|  | data: JSON.stringify(data) |
|  | }); |
|  | $("#updateCountry").attr("disabled", false); |
|  | $("#deleteCountry").attr("disabled", false); |
|  | loadCountries(); |
|  | } |
|  | } |
|  |  |
|  | async function deleteCountry() { |
|  | let countryId = $("#countryId").val(); |
|  | if (countryId) { |
|  | $("#updateCountry").attr("disabled", true); |
|  | $("#deleteCountry").attr("disabled", true); |
|  |  |
|  | await $.ajax({ |
|  | method: "DELETE", |
|  | url: baseUrl + `countries/${countryId}`, |
|  | headers: requestHeaders |
|  | }); |
|  | $("#updateCountry").attr("disabled", false); |
|  | $("#deleteCountry").attr("disabled", false); |
|  | $("#countryModal").hide(); |
|  | loadCountries(); |
|  | } |
|  | } |
|  |  |
|  | async function addCountry() { |
|  | let countryNameInput = $("#newCountry"); |
|  | let countryName = countryNameInput.val(); |
|  | let btn = $("#addCountryBtn"); |
|  | if (!countryName) { |
|  | return; |
|  | } |
|  | countryNameInput.val("") |
|  | btn.attr("disabled", true); |
|  | let data = { |
|  | name: countryName |
|  | } |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: baseUrl + "countries", |
|  | headers: requestHeaders, |
|  | data: JSON.stringify(data) |
|  | }).then((c) => { |
|  | btn.attr("disabled", false); |
|  | $("#countries").append(createCountryItem(c)); |
|  | }) |
|  | } |
|  |  |
|  | async function loadCountries() { |
|  | let countries = await $.ajax({ |
|  | method: "GET", |
|  | url: baseUrl + "countries", |
|  | headers: requestHeaders |
|  | }); |
|  | let countryList = $("#countries"); |
|  | $("#countries tr:not(:first-child)").empty(); |
|  |  |
|  | for (const countryData of countries) { |
|  | countryList.append(createCountryItem(countryData)); |
|  | } |
|  |  |
|  | } |
|  |  |
|  | async function addTown() { |
|  | let newTownNameInput = $("#newTown"); |
|  | let newTownName = newTownNameInput.val(); |
|  | let countryId = $("#countryId").val(); |
|  | if (!newTownName || !countryId) { |
|  | return; |
|  | } |
|  | $(this).attr("disabled", true); |
|  | newTownNameInput.val(""); |
|  | newTownNameInput.attr("disabled", true); |
|  |  |
|  | let data = { |
|  | name: newTownName, |
|  | countryId: countryId |
|  | } |
|  |  |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: baseUrl + `towns`, |
|  | headers: requestHeaders, |
|  | data: JSON.stringify(data) |
|  | }).then((t) => { |
|  | $("#towns").append(createTownItem(t)); |
|  | $(this).attr("disabled", false); |
|  | newTownNameInput.attr("disabled", false); |
|  | }) |
|  | } |
|  |  |
|  | function createCountryItem(c) { |
|  | let country = $(`<tr data-id="${c.\_id}"><td class="country">${c.name}</td></tr>`).click(() => { |
|  | loadModalData(country.attr("data-id")); |
|  | }); |
|  |  |
|  |  |
|  | return country; |
|  | } |
|  |  |
|  | function createTownItem(t) { |
|  | let town = $(`<tr data-id="${t.\_id}"><td><input value="${t.name}"/></td></tr>`) |
|  | let updateBtn = $(`<button>Update</button>`).click(function () { |
|  | let townEle = $(this).parent(); |
|  | let townValue = townEle.find("input").val(); |
|  | if (!townValue) { |
|  | return |
|  | } |
|  | $(this).attr("disabled", true); |
|  | let data = { |
|  | name: townValue, |
|  | countryId: t.countryId |
|  | }; |
|  | $.ajax({ |
|  | method: "PUT", |
|  | url: baseUrl + `towns/${t.\_id}`, |
|  | headers: requestHeaders, |
|  | data: JSON.stringify(data) |
|  | }).then(() => { |
|  | $(this).attr("disabled", false); |
|  | }); |
|  | }); |
|  |  |
|  | let deleteBtn = $(`<button>Delete</button>`).click(() => { |
|  | deleteBtn.attr("disabled", true); |
|  | $.ajax({ |
|  | method: "DELETE", |
|  | url: baseUrl + `towns/${t.\_id}`, |
|  | headers: requestHeaders |
|  | }).then(() => { |
|  | town.remove(); |
|  | }); |
|  | }); |
|  |  |
|  | town.append(updateBtn) |
|  | .append(deleteBtn); |
|  |  |
|  | return town; |
|  | } |
|  |  |
|  | async function loadModalData(countryId) { |
|  | $("#countryModal").show(); |
|  | $("#countryModal button:not(:contains('Close')), input").attr("disabled", true) |
|  |  |
|  | let countryData = await $.ajax({ |
|  | method: "GET", |
|  | url: baseUrl + `countries/?query={"\_id": "${countryId}"}`, |
|  | headers: requestHeaders |
|  | }); |
|  | if (countryData.length > 0) { |
|  | $("#countryModal button, input").attr("disabled", false) |
|  | $("#countryName").val(countryData[0].name); |
|  | $("#countryId").val(countryData[0].\_id); |
|  | } |
|  |  |
|  | let townsData = await $.ajax({ |
|  | method: "GET", |
|  | url: baseUrl + `towns/?query={"countryId":"${countryId}"}`, |
|  | headers: requestHeaders |
|  | }); |
|  | if (townsData.length > 0) { |
|  | let townsEle = $("#towns"); |
|  | for (const town of townsData) { |
|  | townsEle.append(createTownItem(town)); |
|  | } |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <style> |
|  | .country:hover { |
|  | color: rgb(24, 78, 196); |
|  | text-shadow: 1px; |
|  | cursor: pointer; |
|  | font-style: italic |
|  | } |
|  |  |
|  | .modal { |
|  | display: none; |
|  | /\* Hidden by default \*/ |
|  | position: fixed; |
|  | /\* Stay in place \*/ |
|  | z-index: 1; |
|  | /\* Sit on top \*/ |
|  | left: 0; |
|  | top: 0; |
|  | width: 100%; |
|  | /\* Full width \*/ |
|  | height: 100%; |
|  | /\* Full height \*/ |
|  | overflow: auto; |
|  | /\* Enable scroll if needed \*/ |
|  | background-color: rgb(0, 0, 0); |
|  | /\* Fallback color \*/ |
|  | background-color: rgba(0, 0, 0, 0.4); |
|  | /\* Black w/ opacity \*/ |
|  | } |
|  |  |
|  | .modal-content { |
|  | background-color: #fefefe; |
|  | margin: 15% auto; |
|  | /\* 15% from the top and centered \*/ |
|  | padding: 10px; |
|  | border: 1px solid #888; |
|  | width: 30%; |
|  | text-align: center; |
|  | /\* Could be more or less, depending on screen size \*/ |
|  | } |
|  |  |
|  | #towns { |
|  | width: 100%; |
|  | } |
|  |  |
|  | #countryId { |
|  | display: none; |
|  | } |
|  |  |
|  | .newCountryFiels { |
|  | width: 100%; |
|  | text-align: center; |
|  | margin: 0 auto; |
|  | } |
|  |  |
|  | .newCountryFiels input { |
|  | border-radius: 10px; |
|  | height: 25px; |
|  | font-size: 18px; |
|  | } |
|  |  |
|  | .newCountryFiels button { |
|  | border-radius: 10px; |
|  | height: 30px; |
|  | } |
|  |  |
|  | #countries { |
|  | width: 100%; |
|  | } |
|  |  |
|  | #countries tr { |
|  | background-color: #AAAAAA; |
|  | padding: 5vh; |
|  | font-size: 1.5vw; |
|  | text-align: center; |
|  | } |
|  |  |
|  | #countries tr:nth-child(odd) { |
|  | background-color: #808080; |
|  | } |
|  |  |
|  | #countries tr:first-child { |
|  | background-color: #000000; |
|  | color: #FFFFFF; |
|  | font-weight: bold; |
|  | font-size: 2vw; |
|  | } |
|  |  |
|  | #countries tr th { |
|  | padding: 1vw; |
|  | } |
|  |  |
|  | #countries tr td { |
|  | padding: 1vw; |
|  | transition: font-size 0.2s; |
|  | } |
|  |  |
|  | #countries tr:not(:first-child):hover { |
|  | background-color: #F0F8FF; |
|  | color: #000000; |
|  | font-size: 2.25vw; |
|  | } |
|  | </style> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="/scripts/5\_Countries.js"></script> |
|  | </head> |
|  |  |
|  | <body> |
|  | <div class="newCountryFiels"> |
|  | <label for="newCountry">Country</label> |
|  | <input id="newCountry" placeholder="Country name" /> |
|  | <button id="addCountryBtn">Add</button> |
|  | </div> |
|  | <table id="countries"> |
|  | <tr> |
|  | <th>Name</th> |
|  | </tr> |
|  | </table> |
|  |  |
|  | <div id="countryModal" class="modal"> |
|  | <div class="modal-content"> |
|  | <h4>Country Info</h4> |
|  | <input id="countryId" /> |
|  | <label for="countryName">Country</label> |
|  | <input id="countryName" /> |
|  | <button id="updateCountry">Update</button> |
|  | <button id="deleteCountry">Delete</button> |
|  | <button id="closeCountryView">Close</button> |
|  | <hr> |
|  | <h4>Towns Info</h4> |
|  | <table id="towns"> |
|  | <tr> |
|  | <th>Name</th> |
|  | <th colspan="2">Actions</th> |
|  | </tr> |
|  | </table> |
|  | <fieldset> |
|  | <input id="newTown" /> |
|  | <button id="addTown">Add</button> |
|  | </fieldset> |
|  | </div> |
|  | </div> |
|  | <script> |
|  | attachEvents(); |
|  | </script> |
|  | </body> |
|  |  |
|  | </html> |

## 6.Venuemaster

function attachEvents() {

const baseUrl = "https://baas.kinvey.com/";

const appId = "kid\_BJ\_Ke8hZg";

const kinveyUsername = "guest";

const kinveyPassword = "pass";

const base64Auth = btoa(kinveyUsername + ":" + kinveyPassword);

$('#getVenues').click(loadVenues);

function loadVenues() {

let date = $('#venueDate').val();

let request = {

url: baseUrl + "rpc/" + appId + "/custom/calendar?query=" + date,

method: "POST",

headers: { "Authorization": "Basic " + base64Auth }

};

$.ajax(request).then(function (venueIds) {

for (let venueId of venueIds) {

let request = {

method: "GET",

url: baseUrl + "appdata/" + appId + "/venues/" + venueId,

headers: { "Authorization": "Basic " + base64Auth }

};

$.ajax(request).then(displayVenue);

}

});

}

function displayVenue(data) {

$('#venue-info')

.append($('<div>').addClass("venue").attr('id', data.\_id)

.append($('<span>').addClass("venue-name").text(data.name)

.append($('<input>').addClass("info").attr("type", "button").val("More info").click(showInfo)))

.append($('<div>').addClass("venue-details").css("display", "none")

.append($('<table>')

.append($('<tr>')

.append($('<th>').text("Ticket Price"))

.append($('<th>').text("Quantity"))

.append($('<th>')))

.append($('<tr>')

.append($('<td>').addClass("venue-price").text(`${data.price} lv`))

.append($('<td>')

.append($('<select>').addClass("quantity")

.append($('<option>').val("1").text("1"))

.append($('<option>').val("2").text("2"))

.append($('<option>').val("3").text("3"))

.append($('<option>').val("4").text("4"))

.append($('<option>').val("5").text("5"))))

.append($('<td>')

.append($('<input>').addClass("purchase").attr("type", "button").val("Purchase").click(purchase)))))

.append($('<span>').addClass("head").text("Venue description:"))

.append($('<p>').addClass("description").text(data.description))

.append($('<p>').addClass("description").text(`Starting time: ${data.startingHour}`))

)

);

}

//this below don't work good - the comming "data.html" can't read the numbers

// function displayVenue(venue) {

// $('#venue-info').append(

// `<div class="venue" id="${venue.\_id}">

// <span class="venue-name"><input class="info" type="button" value="More info">${venue.name}</span>

// <div class="venue-details" style="display: none;">

// <table>

// <tr><th>Ticket Price</th><th>Quantity</th><th></th></tr>

// <tr>

// <td class="venue-price">${venue.price} lv</td>

// <td><select class="quantity">

// <option value="1">1</option>

// <option value="2">2</option>

// <option value="3">3</option>

// <option value="4">4</option>

// <option value="5">5</option>

// </select></td>

// <td><input class="purchase" type="button" value="Purchase"></td>

// </tr>

// </table>

// <span class="head">Venue description:</span>

// <p class="description">${venue.description}</p>

// <p class="description">Starting time: ${venue.startingHour}</p>

// </div>

// </div>`

// );

// $('input[value="More info"]').click(showInfo);

// $('input[value="Purchase"]').click(purchase);

// }

function showInfo() {

$('.venue-details').hide();

$(this).parent().parent().find('.venue-details').show();

// $('.venue-details').css("display", "none");

// $(this).parent().parent().find('.venue-details').css("display", "block");

}

function purchase() {

let id = $(this).parent().parent().parent().parent().parent().attr('id');

let name = $(this).parent().parent().parent().parent().parent().find(".venue-name").text();

let quantity = Number($(this).parent().parent().find(".quantity").val());

let price = Number($(this).parent().parent().find(".venue-price").text().substring(0, $(this).parent().parent().find(".venue-price").text().length - 2));

$('#venue-info').html(`<span class="head">Confirm purchase</span>

<div class="purchase-info">

<span>${name}</span>

<span>${quantity} x ${price}</span>

<span>Total: ${quantity \* price} lv</span>

<input type="button" value="Confirm">

</div>`

);

$('#venue-info input').click(function () {

let request = {

method: 'POST',

url: baseUrl + "rpc/" + appId + "/custom/purchase?venue=" + id + "&qty=" + quantity,

headers: { "Authorization": "Basic " + base64Auth }

};

$.ajax(request).then(function (data) {

$('#venue-info').html("You may print this page as your ticket" + data.html);

});

});

}

}

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Venue Master</title>

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

<style>

#content { width: 800px; }

.venue { border: 1px solid black; margin: 0.5em; }

.venue-name { background-color: beige; padding: 0.1em; display: block; font-size: 2em; padding-left: 1em; }

.venue-name input { margin-right: 1em; }

.head { background-color: beige; padding: 0.1em; padding-left: 1.5em; display: block; font-size: 1.5em; }

.description { margin: 2em; }

table { text-align: center; margin: 2em; }

td, th { width: 100px; }

.purchase-info span { display: inline-block; width: 100px; margin-left: 2em; margin-right: 2em; }

.ticket { border: 1px solid black; text-align: center; overflow: hidden; }

.bl { display: inline-block; font-size: 1.5em; margin: 1em 3em 1em 3em; }

.left { width: 600px; float:left; }

.right { float:right; }

</style>

</head>

<body>

<div id="content">

<div id="date-control">

<input type="text" id="venueDate" placeholder="Enter date">

<input type="button" id="getVenues" value="List Venues">

</div>

<div id="venue-info">

</div>

</div>

<script src="06Venuemaster.js"></script>

<script>

attachEvents();

</script>

</body>

</html>

|  |
| --- |
| function attachEvents() { |
|  | let baseUrl = "https://baas.kinvey.com/"; |
|  | let appId = "kid\_BJ\_Ke8hZg"; |
|  | let base64Auth = btoa("guest:pass"); |
|  |  |
|  | $('#getVenues').click(loadVenues); |
|  |  |
|  | function loadVenues() { |
|  | let date = $('#venueDate').val(); |
|  |  |
|  | let request = { |
|  | url: baseUrl + "rpc/" + appId + "/custom/calendar?query=" + date, |
|  | method: "POST", |
|  | headers : { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request).then(function (venueIds) { |
|  | for(let venueId of venueIds){ |
|  | let request = { |
|  | method: "GET", |
|  | url: baseUrl + "appdata/" + appId + "/venues/" + venueId, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request).then(displayVenue); |
|  | } |
|  | }) |
|  | } |
|  |  |
|  | function displayVenue(data) { |
|  | $('#venue-info') |
|  | .append($('<div>').addClass("venue").attr('id', data.\_id) |
|  | .append($('<span>').addClass("venue-name").text(data.name) |
|  | .append($('<input>').addClass("info").attr("type", "button").val("More info").click(showInfo))) |
|  | .append($('<div>').addClass("venue-details").css("display", "none") |
|  | .append($('<table>') |
|  | .append($('<tr>') |
|  | .append($('<th>').text("Ticket Price")) |
|  | .append($('<th>').text("Quantity")) |
|  | .append($('<th>'))) |
|  | .append($('<tr>') |
|  | .append($('<td>').addClass("venue-price").text(`${data.price} lv`)) |
|  | .append($('<td>') |
|  | .append($('<select>').addClass("quantity") |
|  | .append($('<option>').val("1").text("1")) |
|  | .append($('<option>').val("2").text("2")) |
|  | .append($('<option>').val("3").text("3")) |
|  | .append($('<option>').val("4").text("4")) |
|  | .append($('<option>').val("5").text("5")))) |
|  | .append($('<td>') |
|  | .append($('<input>').addClass("purchase").attr("type", "button").val("Purchase").click(purchase))))) |
|  | .append($('<span>').addClass("head").text("Venue description:")) |
|  | .append($('<p>').addClass("description").text(data.description)) |
|  | .append($('<p>').addClass("description").text(`Starting time: ${data.startingHour}`)) |
|  | ) |
|  | ); |
|  | } |
|  |  |
|  | function showInfo() { |
|  | $('.venue-details').hide(); |
|  | $(this).parent().parent().find('.venue-details').show(); |
|  | } |
|  |  |
|  | function purchase() { |
|  | let id = $(this).parent().parent().parent().parent().parent().attr('id'); |
|  | let name = $(this).parent().parent().parent().parent().parent().find(".venue-name").text(); |
|  | let qty = Number($(this).parent().parent().find(".quantity").val()); |
|  | let price = Number($(this).parent().parent().find(".venue-price").text().substring(0, $(this).parent().parent().find(".venue-price").text().length-2)); |
|  |  |
|  | $('#venue-info').html(`<span class="head">Confirm purchase</span> |
|  | <div class="purchase-info"> |
|  | <span>${name}</span> |
|  | <span>${qty} x ${price}</span> |
|  | <span>Total: ${qty \* price} lv</span> |
|  | <input type="button" value="Confirm"> |
|  | </div> |
|  | `); |
|  |  |
|  | $('#venue-info input').click(function () { |
|  | let request = { |
|  | method: "POST", |
|  | url: baseUrl + "rpc/" + appId + "/custom/purchase?venue=" + id + "&qty=" + qty, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request).then(function (data) { |
|  | $('#venue-info').html("You may print this page as your ticket" + data.html); |
|  | }) |
|  | }) |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Venue Master</title> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <style> |
|  | #content { width: 800px; } |
|  | .venue { border: 1px solid black; margin: 0.5em; } |
|  | .venue-name { background-color: beige; padding: 0.1em; display: block; font-size: 2em; padding-left: 1em; } |
|  | .venue-name input { margin-right: 1em; } |
|  | .head { background-color: beige; padding: 0.1em; padding-left: 1.5em; display: block; font-size: 1.5em; } |
|  | .description { margin: 2em; } |
|  | table { text-align: center; margin: 2em; } |
|  | td, th { width: 100px; } |
|  | .purchase-info span { display: inline-block; width: 100px; margin-left: 2em; margin-right: 2em; } |
|  | .ticket { border: 1px solid black; text-align: center; overflow: hidden; } |
|  | .bl { display: inline-block; font-size: 1.5em; margin: 1em 3em 1em 3em; } |
|  | .left { width: 600px; float:left; } |
|  | .right { float:right; } |
|  | </style> |
|  | </head> |
|  | <body> |
|  | <div id="content"> |
|  | <div id="date-control"> |
|  | <input type="text" id="venueDate" placeholder="Enter date"> |
|  | <input type="button" id="getVenues" value="List Venues"> |
|  | </div> |
|  | <div id="venue-info"> |
|  | </div> |
|  | </div> |
|  | <script src="venuemaster.js"></script> |
|  | <script> |
|  | attachEvents(); |
|  | </script> |
|  | </body> |
|  | </html> |

## 7.\*\*\*Secret Knock

function doSecretKnock(){

const baseUrl = "https://baas.kinvey.com/appdata/kid\_BJXTsSi-e/knock?query=";

const kinveyUsername = "guest";

const kinveyPassword = "guest";

const base64Auth = btoa(kinveyUsername + ":" + kinveyPassword);

const headers = {"Authorization": "Basic " + base64Auth};

let $divContent = $("#content");

let currentMessage = "Knock Knock.";

let $pCurrent = $("<p>").text(currentMessage);

$divContent.append($pCurrent);

getNext(currentMessage);

function getNext(message){

let request = {

method: "GET",

url: baseUrl + message,

headers

};

$.ajax(request).then(function(object){

if (object.answer){

let $pNext = $("<p>").text(object.answer);

$divContent.append($pNext);

}

if (object.message){

let $pNext = $("<p>").text(object.message);

$divContent.append($pNext);

currentMessage = object.message;

getNext(currentMessage);

}

});

}

}

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8"/>

<title>Secret Knock</title>

<script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>

</head>

<body>

<div id="content">

</div>

<script src="07SecretKnock.js"></script>

<script>

doSecretKnock();

</script>

</body>

</html>

|  |
| --- |
| function secretKnock() { |
|  | let baseServiceUrl = "https://baas.kinvey.com/appdata/kid\_BJXTsSi-e/knock?query="; |
|  | let kinveyUsername = "guest"; |
|  | let kinveyPassword = "guest"; |
|  | //let base64Auth = new Buffer(kinveyUsername + ":" + kinveyPassword).toString('base64'); |
|  | let base64Auth = btoa(kinveyUsername + ":" + kinveyPassword); |
|  | let authHeaders = {"Authorization":"Basic " + base64Auth}; |
|  | let currentMessage = "Knock Knock."; |
|  | console.log(currentMessage); |
|  | getNext(currentMessage); |
|  |  |
|  | function getNext(message) { |
|  | let request = { |
|  | url: baseServiceUrl + message, |
|  | headers: authHeaders, |
|  | method: "GET" |
|  | }; |
|  |  |
|  | $.ajax(request) |
|  | .then(function (object) { |
|  | if(object.answer){ |
|  | console.log(object.answer); |
|  | } |
|  | if(object.message){ |
|  | console.log(object.message); |
|  | currentMessage = object.message; |
|  | getNext(currentMessage); |
|  | } |
|  | }); |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Secret Knock</title> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | </head> |
|  | <body> |
|  | <div id="content"> |
|  | Look at the console. |
|  | </div> |
|  | <script src="secret-knock.js"></script> |
|  | <script> |
|  | secretKnock(); |
|  | </script> |
|  | </body> |
|  | </html> |

|  |
| --- |
| const initialQuery = "Knock Knock."; |
|  | const authUrl = "https://baas.kinvey.com/user/kid\_BJXTsSi-e/"; |
|  | const baseUrl = "https://baas.kinvey.com/appdata/kid\_BJXTsSi-e/knock?query="; |
|  | const auth = `Basic ${btoa("guest:guest")}`; |
|  | let requestHeaders = { |
|  | "Authorization": auth, |
|  | "Content-type": "application/json" |
|  | } |
|  |  |
|  | function attachEvents() { |
|  | logIn(); |
|  | $("#knock").click(() => { |
|  | $("h3").show(); |
|  | performKnockSequence(initialQuery); |
|  | }); |
|  | } |
|  |  |
|  | function performKnockSequence(query) { |
|  | if (query) { |
|  | $.ajax({ |
|  | method: "GET", |
|  | url: baseUrl + query, |
|  | headers: requestHeaders |
|  | }).then((r) => { |
|  | if (r.hasOwnProperty("message") && r.message) { |
|  | console.log(r.answer); |
|  | console.log(r.message); |
|  | performKnockSequence(r.message); |
|  | } |
|  | }) |
|  | } |
|  | } |
|  |  |
|  | function logIn() { |
|  | let body = { |
|  | "username": "guest", |
|  | "password": "guest" |
|  | } |
|  | $.ajax({ |
|  | method: "POST", |
|  | url: authUrl + "login", |
|  | headers: requestHeaders, |
|  | data: JSON.stringify(body) |
|  | }).then((r) => { |
|  | $("knock").attr("disabled", false); |
|  | requestHeaders.Authorization = `Kinvey ${r.\_kmd.authtoken}`; |
|  | console.log("Logged in!"); |
|  | }).catch((err) => console.log(`Failed to log in, error: ${err}`)); |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  |  |
|  | <head> |
|  | <style> |
|  | #knock { |
|  | width: 70%; |
|  | height: 100px; |
|  | text-align: center; |
|  | border: indigo; |
|  | border-radius: 15px; |
|  | margin: 15%; |
|  | } |
|  |  |
|  | #knock:hover { |
|  | font-size: 30px; |
|  | color: hotpink; |
|  | } |
|  |  |
|  | h3 { |
|  | display: none; |
|  | text-align: center; |
|  | } |
|  | </style> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="/scripts/7\_SecretKnock.js"></script> |
|  | </head> |
|  |  |
|  | <body> |
|  | <button id="knock">KNOCK KNOCK</button> |
|  |  |
|  | <h3>Look at your console</h3> |
|  | <script> |
|  | attachEvents(); |
|  | </script> |
|  | </body> |
|  |  |
|  | </html> |

## 8.Wild Wild West

function attachEvents() {

const baseUrl = "https://baas.kinvey.com/";

const appKey = "kid\_H1y9kL-\_N";

const kinveyUsername = "guest";

const kinveyPassword = "guest";

const endpoint = "players";

const headers = {

"Authorization": `Basic ${btoa(kinveyUsername + ":" + kinveyPassword)}`,

"Content-Type": "application/json"

};

const startBulletsCount = 6;

const startMoneyCount = 500;

const reloadCost = 60;

const reloadBulletsCount = 6;

let allPlayers;

let playerId;

let selectedPlayer;

loadGame();

$("#reload").click(reload);

$("#save").click(saveGame);

$("#addPlayer").click(addPlayer);

function loadGame(id) {

let request = {

method: "GET",

url: baseUrl + "appdata/" + appKey + "/" + endpoint,

headers

};

$.ajax(request).then((data) => {

$('#players').empty();

allPlayers = data;

for (let player of data) {

let $div = $(`

<div class="player" data-id="${player.\_id}">

<div class="row">

<label>Name:</label>

<label class="name">${player.name}</label>

</div>

<div class="row">

<label>Money:</label>

<label class="money">${player.money}</label>

</div>

<div class="row">

<label>Bullets:</label>

<label class="bullets">${player.bullets}</label>

</div>

</div>`);

let $playBtn = $('<button class="play">Play</button>');

let $deleteBtn = $('<button class="delete">Delete </button>');

$playBtn.click(selectPlayer);

$deleteBtn.click(deletePlayer);

$div.append($playBtn, $deleteBtn);

$("#players").append($div);

}

$('#save').css('display', 'block');

$('#reload').css('display', 'block');

$('#canvas').css('display', 'block');

if (id) {

selectedPlayer = allPlayers.filter(player => player.\_id == id)[0];

} else {

selectedPlayer = allPlayers[0];

}

playerId = selectedPlayer.\_id;

loadCanvas(selectedPlayer);

}).catch(error => console.log(error));

}

function reload(){

if (selectedPlayer.money >= reloadCost){

selectedPlayer.money -= reloadCost;

selectedPlayer.bullets += reloadBulletsCount;

}

}

async function saveGame(){

try {

await $.ajax({

method: "PUT",

url: baseUrl + "appdata/" + appKey + "/" + endpoint + "/" + playerId,

headers,

data: JSON.stringify(selectedPlayer)

})

} catch(error) {

console.log(error);

}

}

async function addPlayer(){

try {

let name = $("#addName").val();

await $.ajax({

method: "POST",

url: baseUrl + "appdata/" + appKey + "/" + endpoint,

headers,

data: JSON.stringify({

name,

bullets: startBulletsCount,

money: startMoneyCount

})

})

} catch (error){

console.log(error);

}

allPlayers();

}

function selectPlayer(){

let id = $(this).parent().data("id");

clearInterval(canvas.intervalId);

loadGame(id);

}

async function deletePlayer(){

let id = $(this).parent().data("id");

try {

await $.ajax({

method: "DELETE",

url: baseUrl + "appdata/" + appKey + "/" + endpoint + '/' + id,

headers

});

} catch (error){

console.log(error);

}

}

}

|  |
| --- |
| function attachEvents() { |
|  | let baseUrl = "https://baas.kinvey.com/appdata/kid\_Skc2\_emfl/players"; |
|  | let base64Auth = btoa("guest:guest"); |
|  |  |
|  | $('#addPlayer').click(addPlayer); |
|  |  |
|  | loadPlayers(); |
|  |  |
|  | function loadPlayers() { |
|  | let request = { |
|  | method: "GET", |
|  | url: baseUrl, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request).then(displayPlayers); |
|  |  |
|  | function displayPlayers(players) { |
|  | $('#players').empty(); |
|  | for(let player of players){ |
|  | $('#players') |
|  | .append($('<div>').addClass("player").attr("data-id", player.\_id) |
|  | .append($('<div>').addClass("row") |
|  | .append($('<label>').text("Name:")) |
|  | .append($('<label>').addClass("name").text(player.name))) |
|  | .append($('<div>').addClass("row") |
|  | .append($('<label>').text("Money:")) |
|  | .append($('<label>').addClass("money").text(player.money))) |
|  | .append($('<div>').addClass("row") |
|  | .append($('<label>').text("Bullets:")) |
|  | .append($('<label>').addClass("bullets").text(player.bullets))) |
|  | .append($('<button>').addClass("play").text("Play").click(function(){prepareCanvas(player)})) |
|  | .append($('<button>').addClass("delete").text("Delete").click(deletePlayer)) |
|  | ); |
|  | } |
|  | } |
|  | } |
|  |  |
|  | function prepareCanvas(player) { |
|  | $('#save').trigger('click'); |
|  |  |
|  | $('#canvas').css('display', 'block'); |
|  | $('#save').css('display', 'inline-block'); |
|  | $('#reload').css('display', 'inline-block'); |
|  | loadCanvas(player); |
|  | } |
|  |  |
|  | function addPlayer() { |
|  | let name = $('#addName').val(); |
|  | let money = 500; |
|  | let bullets = 6; |
|  |  |
|  | let request = { |
|  | url: baseUrl, |
|  | method: "POST", |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth, |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify({ |
|  | name: name, |
|  | money: money, |
|  | bullets: bullets |
|  | }) |
|  | }; |
|  |  |
|  | $.ajax(request).then(function(){ |
|  | loadPlayers(); |
|  | $('#addName').val(''); |
|  | }); |
|  | } |
|  |  |
|  | function deletePlayer() { |
|  | let playerId = $(this).parent().attr("data-id"); |
|  |  |
|  | let request = { |
|  | method: "DELETE", |
|  | url: baseUrl + "/" + playerId, |
|  | headers: { |
|  | "Authorization": "Basic " + base64Auth |
|  | } |
|  | }; |
|  |  |
|  | $.ajax(request).then(loadPlayers); |
|  | } |
|  | } |

//-

|  |
| --- |
| function loadCanvas(player){ |
|  | let canvas = document.getElementById("canvas"); |
|  | let ctx = canvas.getContext("2d"); |
|  |  |
|  | let background = new Image(); |
|  | let target = new Image(); |
|  | let sight = new Image(); |
|  |  |
|  | ctx.font = "24px serif"; |
|  | ctx.fillStyle="yellow"; |
|  |  |
|  | let targetObj= { speed: 50, x: 0, y:100, width:300, height:500 }; |
|  | let mouse = { x: 0, y:100 }; |
|  |  |
|  | background.src = "imgs/west.jpg"; |
|  | target.src = "imgs/target.png"; |
|  | sight.src = "imgs/sight.png"; |
|  |  |
|  | let backgroundPromise = new Promise((resolve,reject)=>{ |
|  | $(background).on('load',resolve); |
|  | }); |
|  |  |
|  | let targetPromise = new Promise((resolve,reject)=>{ |
|  | $(target).on('load',resolve); |
|  | }); |
|  |  |
|  | let sightPromise = new Promise((resolve,reject)=>{ |
|  | $(sight).on('load',resolve); |
|  | }); |
|  |  |
|  | Promise.all([backgroundPromise,targetPromise,sight]).then(()=>{ |
|  | drawCanvas(canvas.width/2, canvas.height/2); |
|  | }); |
|  |  |
|  | function drawCanvas(mouseX, mouseY){ |
|  | ctx.drawImage(background, 0, 0, 800, 600); |
|  | ctx.drawImage(target, targetObj.x, targetObj.y,targetObj.width,targetObj.height); |
|  | ctx.fillText(`Player: ${player.name}`, 650, 25); |
|  | ctx.fillText(`Money: ${player.money}`, 650, 50); |
|  | ctx.fillText(`Bullets: ${player.bullets}`, 650, 75); |
|  |  |
|  | if(player.bullets === 0){ |
|  | ctx.font = "48px serif"; |
|  | ctx.fillStyle="red"; |
|  | ctx.fillText(`Reload!`, canvas.width/2 - 50, canvas.height/2); |
|  | ctx.font = "24px serif"; |
|  | ctx.fillStyle="yellow"; |
|  | } |
|  |  |
|  | ctx.drawImage(sight, mouseX, mouseY,50,50); |
|  | } |
|  |  |
|  | $(canvas).mousemove(function(event) { |
|  | mouse.x = event.clientX - 35; |
|  | mouse.y = event.clientY - 20; |
|  | drawCanvas(mouse.x, mouse.y); |
|  | }); |
|  |  |
|  | $(canvas).click(function(event) { |
|  | if(player.bullets > 0){ |
|  | if(event.clientX > targetObj.x && event.clientX < targetObj.x + targetObj.width |
|  | && event.clientY > targetObj.y && event.clientY < targetObj.y + targetObj.height){ |
|  | player.money += 20; |
|  | } |
|  |  |
|  | player.bullets--; |
|  | } |
|  | }); |
|  |  |
|  | $('#reload').click(function () { |
|  | if(player.money >= 60){ |
|  | player.money -= 60; |
|  | player.bullets = 6; |
|  | } |
|  | }); |
|  |  |
|  | $('#save').click(function () { |
|  | let request = { |
|  | method: "PUT", |
|  | url: "https://baas.kinvey.com/appdata/kid\_Skc2\_emfl/players/" + player.\_id, |
|  | headers: { |
|  | "Authorization": "Basic " + btoa("guest:guest"), |
|  | "Content-type": "application/json" |
|  | }, |
|  | data: JSON.stringify({ |
|  | money: player.money, |
|  | name: player.name, |
|  | bullets: player.bullets |
|  | }) |
|  | }; |
|  |  |
|  | $('#canvas').css('display', 'none'); |
|  | $('#save').css('display', 'none'); |
|  | $('#reload').css('display', 'none'); |
|  | clearInterval(canvas.intervalId); |
|  |  |
|  | $.ajax(request).then(attachEvents); |
|  | }); |
|  |  |
|  | //Set a property in the Canvas to allow for cleaning the interval from outside |
|  | canvas.intervalId = setInterval(moveTarget,100); |
|  |  |
|  | function moveTarget(){ |
|  | if(targetObj.speed > 0 && targetObj.x + targetObj.width >= canvas.width){ |
|  | targetObj.speed = 0 - targetObj.speed; |
|  | } |
|  | else if(targetObj.speed < 0 && targetObj.x <= 0){ |
|  | targetObj.speed = 0 - targetObj.speed; |
|  | } |
|  |  |
|  | targetObj.x += targetObj.speed; |
|  | drawCanvas(mouse.x,mouse.y) |
|  | } |
|  | } |

|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <title>Wild Wild West</title> |
|  | <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script> |
|  | <script src="loadCanvas.js"></script> |
|  | <script src="attachEvents.js"></script> |
|  | <style> |
|  | canvas {cursor: none;} |
|  | .player{ display: inline-table; border: 2px solid darkblue; padding: 5px; } |
|  | .play, .delete{ width: 95%; padding: 0 5px 0 5px; } |
|  | button { padding: 5px;} |
|  | fieldset{ box-sizing:border-box; width: 800px;} |
|  | </style> |
|  | </head> |
|  | <body> |
|  | <div id="buttons"> |
|  | <button style="display: none;" id="save">Save</button> |
|  | <button style="display: none;" id="reload">Reload</button> |
|  | </div> |
|  | <canvas style="display: none;" width="800" height="600" style="border: 5px solid orange" id="canvas">Canvas not supported</canvas> |
|  | <fieldset> |
|  | <legend>Players</legend> |
|  | <div id="players"> |
|  | <div class="player" data-id="<id-goes-here>"> |
|  | <div class="row"> |
|  | <label>Name:</label> |
|  | <label class="name">Pesho</label> |
|  | </div> |
|  | <div class="row"> |
|  | <label>Money:</label> |
|  | <label class="money">500</label> |
|  | </div> |
|  | <div class="row"> |
|  | <label>Bullets:</label> |
|  | <label class="bullets">6</label> |
|  | </div> |
|  | <button class="play">Play</button> |
|  | <button class="delete">Delete</button> |
|  | </div> |
|  | </div> |
|  | </fieldset> |
|  | <fieldset> |
|  | <legend>Add Player</legend> |
|  | <input type="text" id="addName"> |
|  | <button id="addPlayer">Add Player</button> |
|  | </fieldset> |
|  | <script> |
|  | $(document).ready(attachEvents); |
|  | </script> |
|  | </body> |
|  | </html> |