JQuery/HTML Info/Links

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# Pagination example:

Uses Jquery plugin Pagination.js

$(function() {

var container = $('#demo');

container.pagination({

dataSource:'https://api.flickr.com/services/feeds/photos\_public.gne?tags=cat&tagmode=any&format=json&jsoncallback=?',

locator: 'items',

totalNumber: 20,

pageSize: 3,

ajax: {

beforeSend: function() {

container.prev().html('Loading data from flickr.com ...');

}

},

callback: function(response, pagination) {

var dataHtml = '<ul>';

var pageStart = (pagination.pageNumber - 1) \* pagination.pageSize;

var pageEnd = pageStart + pagination.pageSize;

var pageItems = response.slice(pageStart, pageEnd);

$.each(pageItems, function(index, item) {

dataHtml += '<li>' + item.title + '</li>';

});

dataHtml += '</ul>';

container.prev().html(dataHtml);

}

})

})

Pagination.js link showing how to use it: <https://pagination.js.org/>

# Pagination Draft:

$(‘#demo’).pagination({

dataSource: (Url for forums),

locator: ‘items’,

totalNumberLocator: function(response) {

return response.total;

},

pageSize: 10,

ajax: {

beforeSend: function() {

dataContainer.html(‘Loading Forums…’);

}

},

callback: function(data, pagination) {

var html = template(data);

dataContainer.html(html);

}

})

# JQuery Youtube Tutorial (Last few include AJAX)

<https://www.youtube.com/playlist?list=PLoYCgNOIyGABdI2V8I_SWo22tFpgh2s6_>

# How to check if you have hit the bottom of the page

$(window).scroll(function() {

if($(window).scrollTop() == $(document).height() - $(window).height()) {

// ajax call get data from server and append to the div

}

});

# Using Django Paginator Class

from django.core.paginator import Paginator

def my\_view(request):

objects = MyModel.objects.all()

paginator = Paginator(objects, 10) *# 10 items per page*

page\_number = request.GET.get('page')

page\_obj = paginator.get\_page(page\_number)

context = {

'page\_obj': page\_obj,

}

return render(request, 'my\_template.html', context)

**How to use ajax to call data from the server**

This is an example of loading a document using ajax

<https://www.w3schools.com/js/js_ajax_http.asp>

function loadDoc() {

const xhttp = new XMLHttpRequest();

xhttp.onload = function() {

document.getElementById(“demo”).innerHTML = this.responseText;

}

xhttp.open(“GET”, “forums url”, true);

xhttp.send();

}

getElementById(): gets all html elements with id of whatever is in the parentheses, in the example above that would be “demo”.

innerHTML: allows you to get or set the html content inside the selected element.

this.responseText: This is the response from the server, typically in plain text or HTML format.

onload: Defines a function that is executed when the request receives an answer.

open: Specifies the type of request, (method, url, async)

method: The type of request, either “GET” or “POST”.

url: The server file location

async: True (asynchronous) or False (synchronous)

send: sends the request to the server (used for GET)

send(string): sends request to the server (used for POST)

# Link to Regular Django Python pagination video

<https://youtu.be/N-PB-HMFmdo>

Code so far:

<div id="forum-posts" class = "has-text-dark mx-6">

{% for post in posts %}

{% if posts|length < 10 %}

{% include 'mapViewer/postTemplate.html' %}

{% else %}

<script>

$(window).scroll(function() {

if($(window).scrollTop() == $(document).height() - $(window).height()) {

function loadDoc() {

const xhttp = new XMLHttpRequest();

xhttp.onload = function() {

document.getElementById(“forum-posts”).innerHTML = this.responseText;

}

xhttp.open(“GET”, "forum/<int:want>/", true);

xhttp.send();

}

}

});

</script>

{% endif %}

{% empty %}

<p class = "ml-6 has-text-black">No posts available.</p>

{% endfor %}

</div>