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Job Search API

getFields

Input: null

Returns: JSON : fields

URL: /api/jobs/fields

getSingleJob

Input: string : VacancyID

Returns: JSON : Vacancy Details

URL: /api/jobs/view/{VACANCYID}

search

Input: string : queryString

Returns JSON : Search Results

URL: /api/jobs/jobs?

Examples

Return all jobs that contain a text string of test

```
/api/jobs/jobs?$text=test
```

As you can fetch the job fields, you can also search on those, in my example I have a field called V_LOC which contains the location of a vacancy

```
/api/jobs/jobs?V_LOC=Edinburgh&$text=Programmer
```

This would return all vacancies that have “Edinburgh” in their V_LOC field that matches the text string “Programmer”

To return all vacancies - don't send any query strings

```
/api/jobs/jobs
```



There is a fully working example of the APIs with source code on the “examples” tab above.

Setup Job Search Widget

Use this widget to embed a search form onto your own website.

First, copy and paste the below code where you would like the search form to be



col-md-* is used as an example for bootstrap websites, your website may use a different grid system or a different column class.

```
<style>
  /* if debugging set this to BLOCK */
  #debugBlock{
    display:block;
  }
  #jobTable{
    width:100%!important;
    display:none;
  }
  #jobsearch, .advanced-field-element{
    padding: 12px;
    margin: 6px 0 4px;
    border: 1px solid #ccc;
    background: #fafafa;
    font-family: sans-serif;
    font-size: 12px;
    line-height: normal;
    box-sizing: border-box;
    border-radius: 2px;
  }
  .advanced-field-element{
    width:100%!important;
  }
  #searchButton, .applyButton{
    display: inline-block;
    width: auto;
    height: auto;
    padding: 0.3em 2.5em;
    border-width: 0;
    text-align: center;
    cursor: pointer;
    outline: none;
```



```
-webkit-appearance: none;
-moz-appearance: none;
appearance: none;
}
.jobTable {
  font-family: "Trebuchet MS", Arial, Helvetica, sans-serif;
  border-collapse: collapse;
  width: 100%;
}

.jobTable td, .jobTable th {
  border: 1px solid #ddd;
  padding: 8px;
}

.jobTable tr:nth-child(even){
  background-color: #f2f2f2;
}

.jobTable tr:hover {
  background-color: #ddd;
}

.jobTable th {
  padding-top: 12px;
  padding-bottom: 12px;
  text-align: left;
  background-color: #6900a2;
  color: white;
}
.codeBlock{
  background-color: #eee;
  padding: 10px;
  border-radius: 5px;
  border: 1px solid #ccc;
}
.modal {
  display: none;
  position: fixed;
  z-index: 9999999999999;
  left: 0;
  top: 0;
  width: 100%;
  height: 100%;
  overflow: auto;
  background-color: rgb(0,0,0);
  background-color: rgba(0,0,0,0.4);
}
```



```
.modal-content {
    background-color: #fefefe;
    margin: 2% auto;
    padding: 20px;
    border: 1px solid #888;
    width: 80%;
}

.close {
    color: #aaa;
    float: right;
    font-size: 28px;
    font-weight: bold;
}

.close:hover,
.close:focus {
    color: black;
    text-decoration: none;
    cursor: pointer;
}

.info, .success, .warning, .error, .validation {
    border: 1px solid;
    margin: 10px 0px;
    padding: 15px 10px 15px 50px;
    background-repeat: no-repeat;
    background-position: 10px center;
}

.info {
    color: #00529B;
    background-color: #BDE5F8;
}

.success {
    color: #4F8A10;
    background-color: #DFF2BF;
}

.warning {
    color: #9F6000;
    background-color: #FEEFB3;
}

.error {
    color: #D8000C;
    background-color: #FFBABA;
}

.sorting_disabled{
    text-align: center!important;
}

.dataTables_wrapper{
```



```
        overflow-x:auto;
    }
    .dataTables_wrapper .odd, .dataTables_wrapper .even{
        cursor:pointer;
    }
    #DsimpleSearch, #dadvancedSearch{
        text-align: center;
    }
    #dadvancedSearch{
        display:none;
    }
    .modalButtons, #modalButtons{
        float:right;
    }
    .clearfix{
        clear:both;
    }
</style>

<div class="col-md-4">
    <div class="row">
        <div id="DsimpleSearch">
            <h2>Simple Search</h2>
            <form action="#" method="get" id="simpleSearch"
onSubmit="doBasicSearch();return false;">
                <input type="text" id="jobsearch" name="jobsearch"
class="field-element field-control" placeholder="Search for Jobs">
                <button name="searchButton"
onClick="doBasicSearch();return false;" id="searchButton" class="btn btn-
primary">Search</button>
                <div>
                    <a href="#" onClick="showAdvancedSearch(); return
false;">Advanced Search</a>
                </div>
            </form>
        </div>

        <div id="dadvancedSearch">
            <h2>Advanced Search</h2>
            <form action="#" method="get" id="advancedSearch"
onSubmit="doAdvancedSearch();return false;" >
                <label for='$text'>Keyword</label>
                <br>
                <input type='text' id='$text' name='$text' class='form-
control' placeholder='Keyword(s) '>
                <br />
                <div id="advancedFields">
                    <!-- Fields auto generated here -->
```



```
        </div>
        <br>
        <button name='searchButton'
onClick='doAdvancedSearch();return false;' id='searchButton' class='btn btn-
primary'>Advanced Search</button>
        <div>
            <a href="#" onClick="showSimpleSearch(); return
false;">Simple Search</a>
        </div>
    </form>
</div>
</div>
</div>
</div>

<div class="col-md-8">
    <div id="jobsFeedback"></div>
    <table id="jobTable" class="jobTable table table-responsive">
        <thead>
            <tr>
                <th>Position</th>
                <th>Job Type</th>
                <th>Department</th>
                <th>Start Date</th>
                <th>Action</th>
            </tr>
        </thead>
        <tbody id="jobTableBody">
        </tbody>
    </table>
    <div id="debugBlock">
        <br>
        <h1>Response from Server</h1>
        <pre id="searchResults" class="codeBlock">{ }</pre>
    </div>
</div>

<div id="jobModal" class="modal">
    <div class="modal-content">
        <span class="close" onClick="closeDialog();return
false;">&times;</span>
        <div id="modalMainContent">
            Loading ...
        </div>
        <br><br>
        <div id="modalButtons">
        </div>
        <div class="clearfix">&nbsp;</div>
    </div>
```



```
</div>
```

Then copy and paste the following in the footer of your website.



Replace YOURWEBSITE-HERE with the full domain (or subdomain) where IQXWeb is installed, remember to keep the prepending // and ending /

```
<link rel="stylesheet"
href="//cdn.datatables.net/1.10.15/css/jquery.dataTables.min.css">
<script
src="//ajax.googleapis.com/ajax/libs/jquery/1/jquery.min.js"></script>
<script
src="//cdn.datatables.net/1.10.15/js/jquery.dataTables.min.js"></script>
<script>
/*
 * Change this URL to point to the domain/subdomain of where IQXWeb
is hosted.
 */
var searchURL="//iqxdemo.co.uk/";

/*
 * Init the data table
 */
var table = $('#jobTable').DataTable({
    "paging": true,
    "ordering": true,
    "info": true,
    "searching": false,
    "fixedHeader": false,
    "order": [[ 3, "desc" ]],
    "columnDefs": [{
        "targets": [4],
        "visible": false
    },
    {
        "targets": [2],
        "visible": false
    }
    ]
});

/* doBasicSearch
@input: null
@returns: null
@desc: This will trigger the basic search, jQuery will fetch the
```



```
input
    */
    function doBasicSearch() {
        if ($('#jobsearch').val() == "") {
            getJobsOfTheDay();
        } else {
            var searchTerm = "$text="+$('#jobsearch').val();
            search(searchTerm);
        }
    }

    /* doAdvancedSearch
    @input: null
    @returns: null
    @desc: This will trigger the advanced search, jQuery will serialize
the advanced search form
    */
    function doAdvancedSearch(){
        var q = $( "#advancedSearch :input").filter(function () {
            return !!this.value;
        }).serialize();
        search(q);
    }

    /* getFields
    @input: null
    @returns: null
    @desc: This will fetch the advanced search form fields and pass
them to generateField()
    */
    function getFields() {
        $.getJSON( searchURL+"api/jobs/fields", function( data ) {
            $.each( data.IQXResult.Row, function( index, value ){
                generateField(value)
            });
        });
    }

    /* getSingleJob
    @input: single job vacancyID
    @returns: null
    @desc: This will fetch a single job and output it to a modal
    */
    function getSingleJob(vacID){
        $.getJSON( searchURL+"api/jobs/view/"+vacID, function( data ) {
            delete data.IQXResult.Row[0]._id

            var table="<table
```



```
class='jobTable'><tr><th>&nbsp;</th><th>&nbsp;</th></tr>";
    $.each( data.IQXResult.Row[0], function( index, value ){
        if (index.startsWith("Q_") || index.startsWith("XQ_") ||
index.startsWith("vacancyid")) {
            // Do Nothing
        } else {
table=table+"<tr><td>"+toTitleCase(index)+"</td><td>"+value.replace(/(?:\r\n
|\r|\n)/g, '<br />')+ "</td></tr>";
        }
    });
    table=table+"</table>";
    $('#modalMainContent').html( table );
    $('#modalButtons').html("<a
href='"+searchURL+"#/jobsearch/results?viewjob="+vacID+"' id='applyLink'
class='button sqs-system-button sqs-editable-button'>Apply</a>&nbsp;<button
name='closeButton' onClick='closeDialog();return false;' id='closeButton'
class='button sqs-system-button sqs-editable-button'>Close</button>")
    });
}

/* search
@input: query string, noscroll
@returns: null
@desc: This will send a request to the API job search and pass the
results to drawTable(i) you can pass an optional noscroll=true to stop the
page scrolling to the results table.
*/
function search(q, noscroll){
    noscroll = noscroll || false
    $('#jobTable').slideUp();
    $('#jobsFeedback').html("<center><strong>Loading
...</strong></center>");
    $('#jobsFeedback').slideDown();
    $.getJSON( searchURL+"api/jobs/jobs?" +q, function( data ) {
        $('#searchResults').html( JSON.stringify(data, null, "\t")
    );

    if (data.IQXResult.IQXFailure) {
        resetTable();
        $('#jobTable').slideUp();
        $('#jobsFeedback').html("<div class='error'>There was an
error processing your request.<br />Please try the following:<ul><li>If you
are using the simple search, ensure you have typed something into the
box</li><li>If you are using the advanced search, ensure the required fields
are not empty</li></ul></div>");
    } else {
        if (data.IQXResult.Row.length==0) {
            resetTable();
            $('#jobTable').slideUp();
        }
    }
}
```



```
        $('#jobsFeedback').html("<div class='info'>Your  
search returned 0 jobs.</div>");  
    } else {  
        resetTable();  
        drawTable(data.IQXResult.Row);  
        if (noscroll == false) {  
            gotoResults();  
        }  
        $('#jobsFeedback').slideUp();  
        $('#jobTable').slideDown();  
    }  
}  
});  
}  
  
/* getJobsOfTheDay  
@input: null  
@returns: Jobs of the Day  
@desc: This will trigger the search API with a request to return  
all jobs with tag "Job of the Day"  
*/  
function getJobsOfTheDay(){  
    var q="jobtype=All&department=All&Q_V_JOD=Job%20of%20the%20day"  
    return search(q, true)  
}  
  
/* resetTable  
@input: null  
@returns: null  
@desc: This will empty the job search table  
*/  
function resetTable(){  
    table.clear().draw();  
}  
  
/* drawTable  
@input: data  
@returns: null  
@desc: This will prepare each row for generation  
*/  
function drawTable(data) {  
    for (var i = 0; i < data.length; i++) {  
        drawRow(data[i]);  
    }  
}  
  
/* drawRow  
@input: rowData
```



```
@returns: null
@desc: This will generate each table row and output the html
*/
function drawRow(rowData) {
    table.row.add(
        [ rowData.position, rowData.jobtype, rowData.branch,
changeDateFormat(rowData.startdate), rowData.vacancyid ] )
        .draw();
}

/* changeDateFormat
@input: date
@returns: date
@desc: This will take a date in format of yyyy-mm-dd and convert it
to dd/mm/yyyy
*/
function changeDateFormat(oDate){
    var dateAr = oDate.split('-');
    var newDate = dateAr[2] + '/' + dateAr[1] + '/' + dateAr[0];
    return newDate; // returns dd/mm/yyyy
}

/* generateField
@input: fieldData
@returns: null
@desc: This will generate form fields based on the data type
*/
function generateField(fieldData){
    if (fieldData.search) {
        switch(fieldData.type) {
            case "string":
                $('#advancedFields').append("<label
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><input type='text'
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"'><br />");
                break;
            case "select":
                var selectBox="<label
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><select
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"'>";
                selectBox=selectBox+"<option value='"+
selected>Select Filter</option>";
                $.each( fieldData.choices, function( index, value ) {
                    selectBox=selectBox+"<option
value='"+value+"'>"+value+"</option>";
                });
                selectBox=selectBox+"</select><br />";
```



```
        $('#advancedFields').append(selectBox);
        break;
        case "date":
            $('#advancedFields').append("<label
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><input type='date'
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"'><br />");
            break;

        case "multiselect":
            var selectBox="<label
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><select multiple
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"'>";
            $.each( fieldData.choices, function( index, value ){
                selectBox=selectBox+"<option
value='"+value+"'>"+value+"</option>";
            });
            selectBox=selectBox+"</select><br>";
            $('#advancedFields').append(selectBox);
            break;
        default:
            $('#advancedFields').append("<label
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><input type='text'
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"'><br />");
            break;
    }
}

/* gotoResults
@input: null
@returns: null
@desc: This will animate the scroll down to the results table.
*/
function gotoResults(){
    $("html, body").animate({ scrollTop:
$('#jobTable_wrapper').offset().top }, 1000);
}

/* viewJobDetails
@input: vacancyid
@returns: null
@desc: this will open the modal window and pass the job's vacancyid
to getSingleJob()
*/
function viewJobDetails(vacancyid){
```



```
        var modal = document.getElementById('jobModal');
        modal.style.display = "block";
        getSingleJob(vacancyid);
    }

    /* closeDialog
    @input: null
    @returns: null
    @desc: This will close and empty the modal window
    */
    function closeDialog(){
        var modal = document.getElementById('jobModal');
        modal.style.display = "none";
        $('#modalMainContent').html("");
    }

    /* toTitleCase
    @input: str
    @returns: null
    @desc: This will change the passed str to camel case.
    */
    function toTitleCase(str){
        if (str=="startdate") {
            str="Start Date";
        }
        if (str=="jobtype") {
            str="Job Type"
        }
        if (str=="contactname") {
            str="Contact Name"
        }
        if (str=="contactemail") {
            str="Contact Email"
        }
        return str.replace(/\w\S*/g, function(txt){return
txt.charAt(0).toUpperCase() + txt.substr(1).toLowerCase();});
    }

    /* showSimpleSearch
    @input: null
    @returns: null
    @desc: This will hide the advanced search and show the simple
search.
    */
    function showSimpleSearch(){
        $('#dadvancedSearch').slideUp();
        $('#DsimpleSearch').slideDown();
    }
```



```
search
/* showAdvancedSearch
  @input: null
  @returns: null
  @desc: This will hide the simple search and show the advanced
search
*/
function showAdvancedSearch(){
    $('#dadvancedSearch').slideDown();
    $('#DsimpleSearch').slideUp();
}

/*
 * This is used when a row in the table has been clicked on.
 */
$('.dataTable').on('click', 'tbody tr', function() {
    var vacID=table.row(this).data();
    viewJobDetails(vacID[4]);
})

/*
 * Init job search.
 */
getFields();
getJobsOfTheDay();
</script>
```

Example

From:

<https://iqxusers.co.uk/iqxhelp/> - iqx

Permanent link:

<https://iqxusers.co.uk/iqxhelp/doku.php?id=iqxweb:jobsearchapi&rev=1553087706>

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