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$(document).ready( function() {
    $('.unanswered-getter').submit( function(event){
        // zero out results if previous search has run
        $('.results').html('');
        // get the value of the tags the user submitted
        var tags = $(this).find("input[name='tags']").val();
        getUnanswered(tags);
    });
});

// this function takes the question object returned by StackOverflow
// and creates new result to be appended to DOM
var showQuestion = function(question) {

    // clone our result template code
    var result = $('.templates .question').clone();

    // Set the question properties in result
    var questionElem = result.find('.question-text a');
    questionElem.attr('href', question.link);
    questionElem.text(question.title);

    // set the date asked property in result
    var asked = result.find('.asked-date');
    var date = new Date(1000*question.creation_date);
    asked.text(date.toString());

    // set the #views for question property in result
    var viewed = result.find('.viewed');
    viewed.text(question.view_count);

    // set some properties related to asker
    var asker = result.find('.asker');
    asker.html('<p>Name: <a target="_blank"
href=http://stackoverflow.com/users/' + question.owner.user_id + ' >' +

        question.owner.display_name +

        '</a>' +

                                '</p>' +
                                '<p>Reputation: ' +
question.owner.reputation + '</p>'
    );

    return result;
};

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// this function takes the results object from StackOverflow
// and creates info about search results to be appended to DOM
var showSearchResults = function(query, resultNum) {
    var results = resultNum + ' results for <strong>' + query;
    return results;
};

// takes error string and turns it into displayable DOM element
var showError = function(error){
    var errorElem = $('#.templates .error').clone();
    var errorText = '<p>' + error + '</p>';
    errorElem.append(errorText);
};

// takes a string of semi-colon separated tags to be searched
// for on StackOverflow
var getUnanswered = function(tags) {

    // the parameters we need to pass in our request to StackOverflow's API
    var request = {tagged: tags,

                                                            site:
'stackoverflow',

                                                            order: 'desc',
                                                            sort: 'creation'};

    var result = $.ajax({
        url: "http://api.stackexchange.com/2.2/questions/unanswered",
        data: request,
        dataType: "jsonp",
        type: "GET",
    })
    .done(function(result){
        var searchResults = showSearchResults(request.tagged,
result.items.length);

        $('#.search-results').html(searchResults);

        $.each(result.items, function(i, item) {
            var question = showQuestion(item);
            $('#.results').append(question);
        });
    })
    .fail(function(jqXHR, error, errorThrown){
        var errorElem = showError(error);
        $('#.search-results').append(errorElem);
    });
};

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