

音声認識のJSコード (2022/01/20)

```
'use strict';

//音声認識
var recognition = new webkitSpeechRecognition();
var recoStartBtn = document.getElementById('recognitionStart');
// var recoEndBtn = document.getElementById('recognitionEnd');
var recoResult = document.getElementById('keywords'); // 検索バーの中の文字

// プロパティ設定
recognition.lang = 'ja';
recognition.continuous = false;
recognition.interimResults = true;

//音声合成
var SynStart = document.getElementById('SpeechSynthesisStart');
var SynPause = document.getElementById('SpeechSynthesisPause');
// var SynStop = document.getElementById('SpeechSynthesisStop');
var Result = '';

//結果の出力
recognition.addEventListener('result', function (event) {

    var text = '青空文庫 ';

    for (var i = 0; i < event.results.length; i++) {
        text += event.results[i][0].transcript;
    }

    recoResult.value = text;

    var aikotoba = event.results[0][0].transcript; // 読み取った音声を合言葉に代入

    // 合言葉設定
    if( aikotoba === "戻る" ) back();
    if( aikotoba === "次のページ" ) next();
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    if( aikotoba === "再生") start();
    if( aikotoba === "停止") stop();
    if( aikotoba === "リセット") reset();

}, false);

function back() {
    speechSynthesis.cancel();
    history.back();
}

function next() {
    speechSynthesis.cancel();
    history.forward();
}

function start() {
    SynStart.click();
}

function stop() {
    SynPause.click();
}

function reset() {
    speechSynthesis.cancel();
    window.location.href =
'https://buturi.heteml.net/student/2021/ohashi/subject/kadai02/WebSpeechAPI/index.htm
l';
}

var recoAikotoba = function(){
    aikotoba = '';
    recognition.start();
    recognition.onspeechend = function(){
        recognition.stop();
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        console.log(recoResult.value);
    }
}

var recoStart = function(){
    recoResult.value = '青空文庫 ';
    recognition.start();
    window.setTimeout(function(){
        recognition.stop();
        document.getElementById('searchbtn').click();
        console.log(recoResult.value);
    },5000);
}

recoStartBtn.onclick = function(){
    recoStart();
}

document.addEventListener('keydown' , e => {
    if(e.keyCode === 32){
        recoStart();
    }
},false);

recognition.onspeechstart = function(){
    recoAikotoba();
    console.log('音声を検出できました');
}

// recoEndBtn.onclick = function () {
//     recognition.stop();
//     document.getElementById('gsearch').click();
// }

SynPause.onclick = function () {
    speechSynthesis.pause();
}
```

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}

// elmStop.onclick = function () {
//     speechSynthesis.cancel();
// }

// Slick
$('.slider').slick({
    autoplay: true, //自動的に動き出すか
    infinite: true, //スライドをループさせるかどうか
    slidesToShow: 4, //スライドを画面に3枚見せる
    slidesToScroll: 4, //1回のスクロールで3枚の写真を移動して見せる
    // 矢印部分のHTMLを変更
    prevArrow: '<div class="slick-prev"></div>',
    nextArrow: '<div class="slick-next"></div>',
    dots: true, //下部ドットナビゲーションの表示
    responsive: [
        {
            breakpoint: 769, //モニターの横幅が769以下の見せ方
            settings: {
                slidesToShow: 3,
                slidesToScroll: 3,
            }
        }
    ]
});

// Custom Search API
var aozoraUrl = "";

function loadClient() {
    gapi.client.setApiKey("AIzaSyDst1mICNxKj5mN-QbA3rPBPdLGMGEfNrg");//API キー
    return
    gapi.client.load("https://content.googleapis.com/discovery/v1/apis/customsearch/v1/rest")
        .then(function() {

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        console.log("GAPI client loaded for API");
    },function(err) {
        console.error("Error loading GAPI client for API", err);
    });
}

// var B1 = document.getElementById('book').value;
// console.log(B1);

function execute() {
    let keywords = $("#keywords").val();
    // alert(keywords);
    gapi.client.search.cse.list({"cx": "3c473b213e0e4c131" ,"q": keywords}) // cx:
    Custum Search API key
        .then(function(response) {
            // Handle the results here (response.result has the parsed body).
            // console.log("Response", response);
            aozoraUrl = response.result.items[0].formattedUrl;
            console.log("Response URL:", aozoraUrl);
            getAozora(aozoraUrl);
        },function(err) {
            console.error("Execute error", err);
        });
    window.setTimeout(function(){
        Result = document.getElementById('result');
        // let parser = new DOMParser();
        // let doc = parser.parseFromString(Result,'text/html');
        // console.log(doc);
        // console.log(typeof(Result.outerHTML));
        // var html = $.parseHTML(Result);
        // var nodeName = [];
        // $.each( html, function( i, el ) {
        //     nodeName[i] = "<li>" + el.nodeName + "</li>";
        // });
        // console.log(nodeName.join(""));
        // console.log(html);
    }, 1000);
}

```



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alert(keywords);
gapi.client.search.cse.list({"cx": "3c473b213e0e4c131" ,"q": keywords}) // cx:
Custum Search API key
    .then(function(response) {
        // Handle the results here (response.result has the parsed body).
        // console.log("Response", response);
        aozoraUrl = response.result.items[0].formattedUrl;
        console.log("Response URL:", aozoraUrl);
        getAozora(aozoraUrl);
    },function(err) {
        console.error("Execute error", err);
    });
}

function getAozora(targetUrl){
    // aozora.php ^ aozoraUrl を GET method で送信して、中継させる -----
    $.get( "getAozora.php", {URL: targetUrl}, function(data){
        let splitData = data.split("main_text");
        let mainText = splitData[1];
        mainText = mainText.substring(2); // ">"を削除

        //tagを削除 tag の正規表現
        let txt = mainText.replace(/<(".*?"|'.*?'|"[^"]")*?>/g, "");
        console.log(txt);
        $("#result").html(txt);
    });
}

// Google API load client
gapi.load("client");
// window.onload 時に loadClient を call
window.onload = function(){ loadClient(); }

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