

## Toggles

Pepper page/ pepper local page changes that were going to be implemented and tested but couldn't due to peppers break down, They are set to make buttons that would toggle peppers audio/facial recognition.

```
<script>
  // toggle script
  document.addEventListener('DOMContentLoaded', function()
{
    var faceBtn = document.getElementById('btnFace');
    var soundBtn = document.getElementById('btnSound');
    var faceEnabled = true;
    var soundEnabled = true;
    var ipadEnabled = false;

    function callSafe(fnName, arg) {
        try {
            if (window.nao && typeof window.nao[fnName] ===
'function') {
                window.nao[fnName](arg);
            } else if (typeof window[fnName] === 'function') {
                window[fnName](arg);
            } else {
                console.log('Toggle function not available:',
fnName);
            }
        } catch (e) { console.warn('Error calling', fnName,
e) }
    }

    // updates state of toggle buttons
    function updateButtons() {
        faceBtn.textContent = faceEnabled ? 'Disable Face
recognition' : 'Enable Face recognition';
        soundBtn.textContent = soundEnabled ? 'Disable Sound
recognition' : 'Enable Sound recognition';
    }

    faceBtn.addEventListener('click', function() {
        faceEnabled = !faceEnabled;
        callSafe('toggleFaceRecognition', faceEnabled);
        updateButtons();
    });

    soundBtn.addEventListener('click', function() {
        soundEnabled = !soundEnabled;
```

```

        callSafe('toggleSoundRecognition', soundEnabled);
        updateButtons();
    });

    updateButtons();
});

// toggle interactive ipad ui
function toggleInteractive(){
    if(ipadEnabled = true){
        console.log("unloading page")
        nao.tablet.unloadUrl(tablet_page.html);
        nao.tablet.hideWebview();
        ipadEnabled = false;
    } else if (ipadEnabled = false){
        console.log("loading page")
        nao.tablet.loadUrl(tablet_page.html);
        nao.tablet.showWebview();
        ipadEnabled = true;
    }
}

}
</script>

<footer>
    <!-- button to toggle pepper functions -->
    <div style="display:flex;gap:12px;align-items:center;">
        <!-- facial recognition toggle -->
        <button id="btnFace" class="buttonfont">Disable Face
recognition</button>
        <!-- sound recognition toggle -->
        <button id="btnSound" class="buttonfont">Disable Sound
recognition</button>
        <!-- pepper ipad toggle -->
        <button id="toggleInteractive"
onclick="toggleInteractive()" style="margin-left:8px;">
            <div class="buttonfont">Toggle Interactive UI</div>
        </button>
    </div>
</footer>

```

```
// facial recognition toggle script
function toggleFaceRecognition(enable) {
    window._faceRecognitionEnabled = !!enable;
    console.log('Face recognition set to',
window._faceRecognitionEnabled);
    if (!session) { console.log('No session available to
change face services'); return; }

    session.service('ALFaceDetection').then(function(svc) {
        try {
            if (!window._faceRecognitionEnabled) {
                if (typeof svc.unsubscribe === 'function')
{ svc.unsubscribe('webgui'); svc.unsubscribe('browser'); }
                if (typeof svc.stop === 'function')
{ svc.stop(); }
            } else {
                if (typeof svc.start === 'function')
{ svc.start(); }
            }
        } catch(e) { console.warn('Face svc error', e); }
    }).catch(function(){ console.log('ALFaceDetection not
available'); });
}
```

```
// sound recognition toggle script
function toggleSoundRecognition(enable) {

    window._soundRecognitionEnabled = !!enable;
    console.log('Sound recognition set to',
window._soundRecognitionEnabled);
    if (!session) { console.log('No session available to
change speech services'); return; }

    session.service('ALSpeechRecognition').then(function(svc) {
        try {
            if (!window._soundRecognitionEnabled) {
                if (typeof svc.unsubscribe === 'function')
{ svc.unsubscribe('webgui'); svc.unsubscribe('browser'); }
                if (typeof svc.pause === 'function')
{ svc.pause(); }
                if (typeof svc.stop === 'function')
{ svc.stop(); }
            } else {
                if (typeof svc.resume === 'function')
{ svc.resume(); }
                if (typeof svc.start === 'function')
{ svc.start(); }
            }
        } catch(e) { console.warn('Speech svc error', e); }
    }).catch(function(){ console.log('ALSpeechRecognition not
available'); });
}
```

```

{ svc.start(); }
    }
    } catch(e) { console.warn('SpeechRecognition error',
e); }
    }).catch(function(){ console.log('ALSpeechRecognition
not available'); });
}

```

Naocontrol

// facial recognition

```

nao.toggleFaceRecognition = function(enable) {
    nao.faceRecognitionEnabled = !!enable; // ADDED
    console.log('Face recognition set to',
nao.faceRecognitionEnabled);
    if (!nao.session) { console.log('No session available to
change face services'); return; }

```

```

nao.session.service('ALFaceDetection').then(function(svc) {
    try {
        if (!nao.faceRecognitionEnabled) {

            if (typeof svc.unsubscribe === 'function') {
                svc.unsubscribe('webgui');
                svc.unsubscribe('browser');
                svc.unsubscribe('app');
            }

            if (typeof svc.stop === 'function')
{ svc.stop(); }
            } else {

                if (typeof svc.start === 'function')
{ svc.start(); }
                }

            } catch (e) { console.warn('Face svc error', e); }
        }).catch(function(){ console.log('ALFaceDetection not
available'); });

```

```

nao.session.service('ALPeoplePerception').then(function(svc)
{
    try {
        if (!nao.faceRecognitionEnabled && typeof
svc.unsubscribe === 'function') {
            svc.unsubscribe('webgui');

```

```

svc.unsubscribe('browser');
    }
    } catch(e) { console.warn('PeoplePerception error',
e); }
    }).catch(function(){ /* ignore */ });
};

nao.toggleSoundRecognition = function(enable) {
    nao.soundRecognitionEnabled = !!enable; // ADDED
    console.log('Sound recognition set to',
nao.soundRecognitionEnabled);
    if (!nao.session) { console.log('No session available to
change speech services'); return; }

nao.session.service('ALSpeechRecognition').then(function(svc
) {
    try {
        if (!nao.soundRecognitionEnabled) {

            if (typeof svc.unsubscribe === 'function')
{ svc.unsubscribe('webgui'); svc.unsubscribe('browser'); }
            if (typeof svc.pause === 'function')
{ svc.pause(); }
            if (typeof svc.stop === 'function')
{ svc.stop(); }
            } else {
                // ADDED: attempt resume/start
                if (typeof svc.resume === 'function')
{ svc.resume(); }
                if (typeof svc.start === 'function')
{ svc.start(); }
            }
        } catch(e) { console.warn('SpeechRecognition error',
e); }
        }).catch(function(){ console.log('ALSpeechRecognition
not available'); });

    nao.session.service('ALAudioDevice').then(function(svc)
{
    try {
        if (!nao.soundRecognitionEnabled) {
            if (typeof svc.setOutputVolume ===
'function') { svc.setOutputVolume(0); }
        } else {
            if (typeof svc.setOutputVolume ===

```

```
'function') { svc.setOutputVolume(50); }  
    }  
    } catch(e) { console.warn('AudioDevice error', e); }  
}).catch(function(){ /* ignore */ });  
};
```