

`setTimeout(job, delay)`

- waits *delay* milliseconds, then runs *job*

`setInterval(job, delay)`

- runs *job* every *delay* milliseconds

```
function ping() {  
    alert("ping!")  
}  
setTimeout(ping, 1000)
```

or:

```
setTimeout(  
    "alert(\"ping!\")",  
    1000)
```

don't do
this...

```
setTimeout(  
    function() {alert("ping!");},  
    1000  
);
```

```
var width = 500;
var box = document.getElementById('box');

function squash() {
    if (width > 0) {
        width -= 10;
        box.style.width = width + 'px';
        setTimeout(squash, 20);
    }
}

squash();
```

```
function startSquash(box) {  
    var width = 500;  
    squash = function() {  
        if (width > 0) {  
            width -= 10;  
            box.style.width = width + 'px';  
            setTimeout(squash, 20);  
        }  
    }  
    squash();  
}
```

```
startSquash(document.getElementById  
( 'box' ));
```

```
function fadeOutPledge(id) {
    var elem = document.getElementById(id);
    var fadeProgress = 0;
    elem.style.overflow = 'hidden';

    var fadeOutPledgeStep = function() {
        if (fadeProgress < 1) {
            setOpacity(elem, 1-fadeProgress);
            elem.style.height = ((1-fadeProgress) *
                                ORIGINAL_HEIGHT) + 'px';
            fadeProgress += .05; /* 20 steps, 50ms each */
            setTimeout(fadeOutPledgeStep, 50);
        } else {
            removeElement(elem);
        }
    }
    fadeOutPledgeStep();
}
```

```
function makePledge(pledgeId) {
    xhr = getXMLHttpRequest();
    xhr.open("POST", "/pledges/make_pledge/"+pledgeId);

    response = sendXMLHttpRequest(xhr);
    response.addCallback(
        function(xhr) {
            var newPledge = eval('(' + xhr.responseText + ')');
            var destinationList = $('#pledge_list');
            var temp = DIV();
            temp.innerHTML = newPledge.html;
            var li = temp.getElementsByTagName("li")[0];
            li.style.display = 'none';
            destinationList.appendChild(li);
            fadeInPledge(li);
        }
    );
    fadeOutPledge(pledgeId);
}
```