Web Programming Tips

Basic Tips

WebKit

- Remember, Argon is based on WebKit

Handling Events

```
function handler() {
  // code here
  }

document.addEventListener('click', handler, false);

document.addEventListener('click', handler, true);

document.removeEventListener('click', handler, true);
```

Handling Events

```
function handler(event) {
    event.stopPropagation();
    // do work here
  }

document.addEventListener('click', handler, false);
```

Event Delegation

Basic Idea: Leverage Event Bubbling to Simplify Your Code

Install a single event handler up the stack, in the bubble phase

Use event.target to identify which element was actually touched

Local References

Cache a local reference to elements, objects, or properties to speed up access

```
// slow
for (var i=0; i < someArray.length, i++)
{    // do work
}
// faster
var arrayLen = someArray.length;
for (var i=0; i < arrayLen; i++)
{
    // do work
}
```

Local References

Cache a local reference to elements, objects, or properties to speed up access

// this applies to HTML elements as well

var myElement;

myElement = document.getElementById('element42');

Transitions

Do NOT use jQuery animate or similar

DO use the declarative transition API

-webkit-transition: opacity 1s linear
-webkit-transition-property: opacity, left
-webkit-transition-duration: 2s, 4s
-webkit-transition-timing-function: ease-in-out