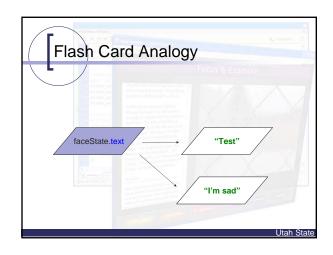
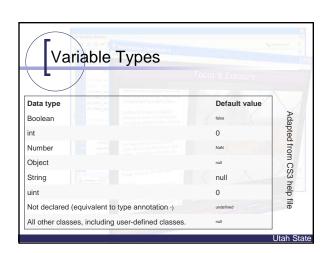
Variables, Debugging, Control Structures Utah State

Using variables Debugging Control structures (if statements) The currentFrame property The alpha property Library/timeline folders

Variables/Properties	Sept. Amer. 1
Focus & Exposure	
■Placeholders for information	
■Name	
■Value	
■Type	
■ Flash Card analogy.	
(2) politica (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	
■ Flash syntax:	
var variableName:type = value;	
	Utah State





Using Variables	Ergq Amal 5
■ When to use: ■ Awaiting user input/tracking information	
 You are using values for the same thing in multiple places. MLK project (example) alpha & currentFrame 	
The second secon	Utah State

```
If statements

A kind of control structure (for loops, while loops, switch/case)*

Something we use every day

Flash syntax:
if(condition) {
// this will run if condition is true.
}
```

Comparis	on	
<	Less than	
>	Greater than	
<=	Less than or equal	
>=	Greater than or equal	
Logical		
&&	Logical AND	
	Logical OR	
!	Logical NOT	
Equality		
==	Equality	
===	Strict equality	
!=	Inequality	
!==	Strict inequality	

```
if(face.currentFrame <= 3) {
    faceState.text = "I'm sad.";
}

/* borrowed with permission from Alan
    Wayman, 2007—based on an .fla file he
    adapted and sent via email. */

revisit the happy/sad face
```

```
Can be extended (nesting)

var rachelSwimLessons:Boolean = false;
if (rachelMood == "brave") {
    if (weather != "thunder and lightning") {
        if (pool == "open") {
            rachelSwimLessons = true;
        }
    }
}

Utah State
```

```
Using Logical operators

if (rachelMood == "brave" && weather !=
    "thunder and lightning" && pool ==
    "open") {
    rachelSwimLessons = true;
}
```

```
Using else if and else

if(face.currentFrame > 17) {
    faceState.text = "I'm sad.";
} else if (face.currentFrame < 4) {
    faceState.text = "I'm happy.";
} else {
    faceState.text = "I'm ok.";
}

/* borrowed with permission from Alan
    Wayman, 2007—based on an .fla file he
    adapted and sent via email. */

Utah State
```

