CSS3 animations

codelab instructions

http://
animateyourhtml5.appspot.com

Goal 1: move the tile with a click

#tile.begin { left: 20px; top: 20px; }
#tile.end { left: 220px; top; 220px; }

Goal 2: add a transition

-webkit-transition: 1000ms ease-in;

-webkit-transition-property: all;
-webkit-transition-duration: 1000ms;
-webkit-transition-timing-function: ease-in;
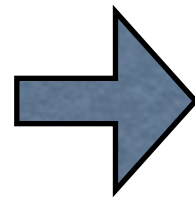essayer: ease-in, ease-out, ease-in-out, linear, default

Goal 3: use a *cubic-bezier* speed

-webkit-transition-timing-function: cubic-bezier(0, 0.5, 1, 0.5);

Goal 4: animate other CSS properties

exemples:

opacity: 1;
background-color: red;
border: none;

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opacity: 0;
background-color: blue;
border: 10px solid black;

Goal 5: use CSS transforms

exemples:

-webkit-transform: rotate(360Deg);

-webkit-transform-origin: 0 0;

-webkit-transform: scale (0.5);

-webkit-transform: rotateX(360Deg);

-webkit-transform: skew (10Deg, 0Deg);

Goal 6: use animations with multiple keyframes

```
 -webkit-animation: letsrock 1000ms

@-webkit-keyframes letsrock
{
   from  {left: 10px; top: 10px;}
   50%   {left: 210px; top: 10px;}
   to    {left: 210px; top: 10px; -webkit-transform: rotate (90Deg);}
}
```

Goal 7: go crazy!

Goal 1: rotate the "cube" object.

-webkit-animation: **rocknroll** 15s linear infinite

```
@-webkit-keyframes rocknroll
{
   to { -webkit-transform: rotateZ(1080Deg) rotateY(360Deg); }
}
```

-webkit-animation-direction: normal / alternate;
-webkit-animation-duration: 1000ms;
-webkit-animation-timing-function: ease-in / linear / ...
-webkit-animation-delay: 2s;
-webkit-animation-iteration-count: 1 / 2 / ... / infinite;

Goal 2: add perspective.

-webkit-perspective: 500px;
-webkit-transform-style: preserve-3d;

Goal 3: put one face in place, then add more.

```
#tile_A
{
    -webkit-transform: translateZ(150px);
}

#tile_B
{
    -webkit-transform: translateX(150px) rotateY(90Deg);
}
```

Goal 4: open the cube on a mouse hover.

#tile_A {-webkit-transform: translateZ(150px); }

:hover > #tile_A {-webkit-transform: translateZ(250px); }

-webkit-transition: 500ms ease-out;

Goal 5: go crazy!

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