Animated rslidy
responsive HTML5 Slide Decks

Group 5

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Abstract

This survey tries to give insights into the uses of web animations and possible ways of creating them with CSS and JavaScript. Not only, why they should be used on a website, but also when to use CSS or JavaScript, will be covered. We also explore the enhancement of animation through SVG. In addition to the theoretical background, numerous practical code examples will be included and discussed.

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Chapter 1

Introduction

HEre we tell we prepared a rSlidy only upgrade and a rSlidy supported by 3rd party software

Chapter 2

rSlidy

Fernando use that pdfyou found to write as much as possible about the original rslidy. And what where the reasons that this upgrade project was started - basicly the faults of the original rslidy.

Chapter 3

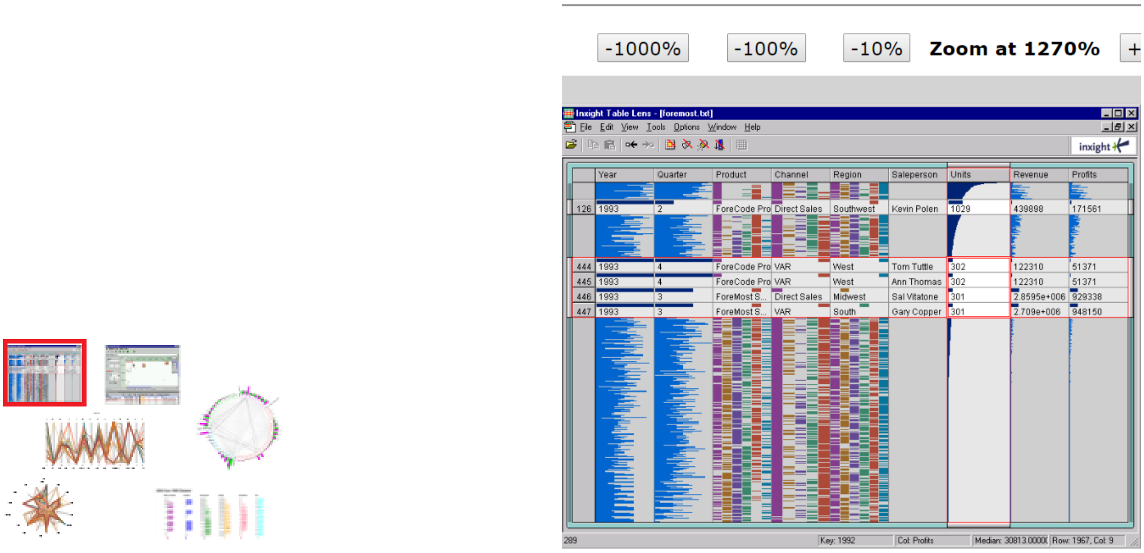
Changes in design

helmuts status bar and so on . hover effect should go under animation probably

Chapter 4

Image magnification

In this part of project we have done following enhancements to our task. We have added zoom feature, which opens picture in new window. The functions, which we implemented work on many different picture formats like svg, jpeg, gif and png.Our enhancements give better possibility for users to see detailed part of image, when they zoom it in, and to see whole picture, without details, when they zoom it out.



	Year	Quarter	Product	Channel	Region	Saleperson	Units	Revenue	Profits
126	1993	2	ForeCode Pro	Direct Sales	Southwest	Kevin Polen	1029	439898	171561
444	1993	4	ForeCode Pro	VAR	West	Tom Tuttle	302	122310	51371
445	1993	4	ForeCode Pro	VAR	West	Ann Thomas	302	122310	51371
446	1993	3	ForeMost S...	Direct Sales	Midwest	Sal Vitatone	301	2.8595e+006	929338
447	1993	3	ForeMost S...	VAR	South	Gary Copper	301	2.709e+006	948150

(a) Realy size of image in slides

(b) One part of image in after popup window

Figure 4.1: Screenshot of realy size image and after pop up window. [Screenshot taken by the authors of rslide project.]

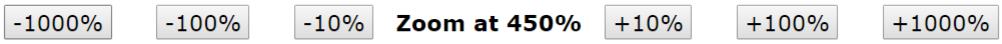


Figure 4.2: Buttons function in popup window [Screenshot taken by the project of rslides.]

In popup window we can zoom it for +-10%, +-100%, and +-1000%. We can also zoom it with +/- buttons on the keyboard. To switch it in default state, where zoom is 100%, we can do it with the press of button 0 on the keyboard.

On click on image we selected one image and open new window, to which we supply content through javascript document.write function.

```
    // Input listeners
    var images = document.getElementsByTagName("img");
    var images  = content_section.getElementsByTagName("img");

    for (var i=0, len=images.length, img; i<len; i++) {
      img = images[i];
      img.addEventListener("click", function() {
      openImageTab(this.src);
      });
    }
  };
}

function openImageTab(imgSrc) {
  var newWindow = window.open();

  var htmlCode ="<head><title>rSlidy Image View</title><link rel='stylesheet' href='css/reset.css'><link rel='stylesheet' href='css/normalise.css'>" +
      "<link rel='stylesheet' href='css/rslidy.css'><link rel='stylesheet' href='css/slides-default.css'></head>" +
      "<body><div class='slide imageAlert'><h1><button>-1000\%</button><button>-100\%</button><button>-10\%</button>Zoom at <span id='zoomNumber'>100</span>\%<button>+10\%</button><button>+100\%</button><button>+1000\%</button></h1>" +
      "<div><img id='zoomedImg' src='"+ imgSrc + "'></div></div>"+
      "<script type='text/javascript'>" + String(openImageTabListeners) + "; openImageTabListeners();</script></body>";
  newWindow.document.write(htmlCode);
}
```

Listing 4.1: In this function we implements a detection and selection one image in slides and open her in new window.

In content we describe the page layout with buttons, picture, and javascript, which is needed for image resizing.

```

  window.addEventListener('keypress', function (e) {
    if (e.key == '+' || e.key == '-' || e.key == '0') {
      var zoom = parseInt(titleElement.innerHTML);
      if(e.key == '+'){
        zoom = zoom + 10;
      }
      else if(e.key == '-')
      {
        zoom = zoom - 10;
      }
      else{
        zoom = 100;
      }
      if(zoom > 0){
        img.style.height = zoom * heightPer + "px";
        img.style.width = zoom * widthPer + "px";
        titleElement.innerHTML = zoom;
      }
    }
  }, false);

  var isCtrl = false;
  window.addEventListener('keydown', function (e) {
    if (e.which === 17) {
            isCtrl = true;
        }
    }, false);
  window.addEventListener('keyup', function (e) {
    if (e.which === 17) {
            isCtrl = false;
        }
    }, false);

  window.addEventListener("mousewheel", function (e) {
    if(isCtrl){
      var delta = Math.max(-1, Math.min(1, e.wheelDelta));
      var zoom = parseInt(titleElement.innerHTML);
      if(delta > 0){
        zoom = zoom + 10;
      }
      else if(delta < 0)
      {
        zoom = zoom - 10;
      }
      if(zoom > 0){
        img.style.height = zoom * heightPer + "px";
        img.style.width = zoom * widthPer + "px";
        titleElement.innerHTML = zoom;
      }
    }
  }, false);
}
```

Listing 4.2: In this function we implements a image resizing in zoom function.

Chapter 5

Animated slideshow

Allanimation aspect probably - hovering also? Or just transitions, loader, ...?

Chapter 6

Concluding Remarks

Through the course of further investigating web animations, we realized that animations are not merely there to make a website appear more beautiful, but to carry meaning as well. So, if a user sees a hamburger icon, they should, and nowadays probably they do, know what this icon stands for. We showed many other useful applications for animation in web UI design, how we can achieve them with CSS, SVG and JS. Numerous examples of code show, how powerful CSS by istelf can be and how each addition on top of it enhances it, which makes it great for RWD development