COMP 336/436

TEAM SLA

Our Project

Main Objective / Process


```
1   <?xml version ="1.0"?>
2   <recipes>
3    <recipe id="01">
4     <title> Mac and Cheese </title>
5     <cuisine> American </cuisine>
6     <ingredients>
7      <basics>
8       <basic name ="Macaroni" amount ="1" unit ="cup"/>
9       <basic name ="Cheddar Cheese" amount ="1/2" unit ="cup"/>
10     </basics>
11     <spices>
12      <spice name ="Black Pepper, salt" amount ="1" unit ="spoon"/>
13     </spices>
14    </ingredients>
15    <preparation>
16     <step> Set a large, covered pot of salted water over high heat to
17      Add 2 tsp. salt, pepper, and mustard powder. Add the cheeses in
18      Add the drained macaroni to the pot with the cheese sauce and sti
19     </step>
20    </preparation>
21    <preparation_time> 20 mins </preparation_time>
22    <calories> 3000 </calories>
23    <image>
24     <src>images/macandcheese.jpg</src>
25    </image>
26   </recipe>
```
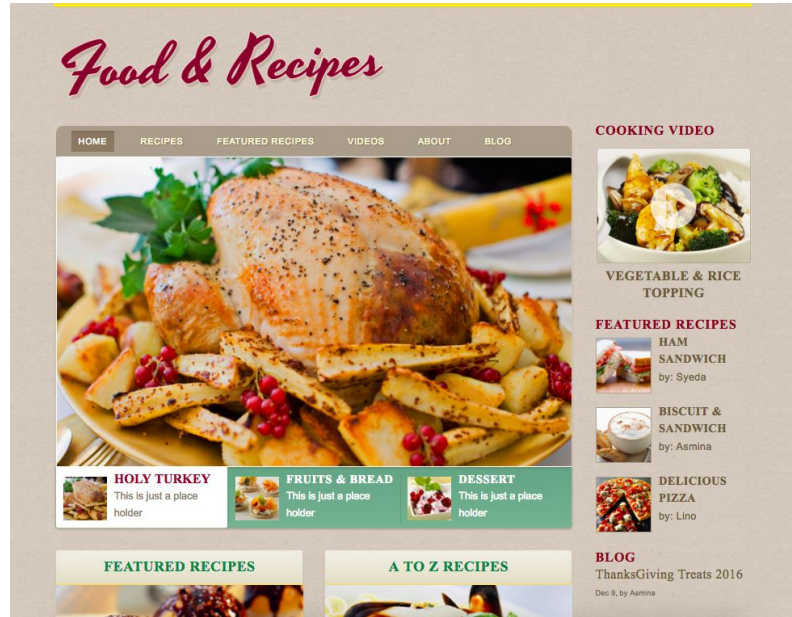
XML Parser

HTML & CSS

XML DOM

Difficulties

- Crash Multiple with multiple Nodes
- Complex HTML implementation

XML DOM

```
<script>
var text, parser, xmlDoc;

text = <recipe id="01">
<title> Mac and Cheese </title>
<cuisine> American </cuisine>
<ingredients>
basics>
<basic name ="Macaroni" amount ="1" unit ="cup"/>
<basic name ="Cheddar Cheese" amount ="1/2" unit ="cup"/>
</basics>
<spices name ="Black Pepper, salt" amount ="1" unit ="spoon"/>
</ingredients>

parser = new DOMParser();
xmlDoc = parser.parseFromString(text,"text/xml");

document.getElementById("demo").innerHTML =
xmlDoc.getElementsByTagName("title")[0].childNodes[0].nodeValue;
</script>

</body>
</html>
```
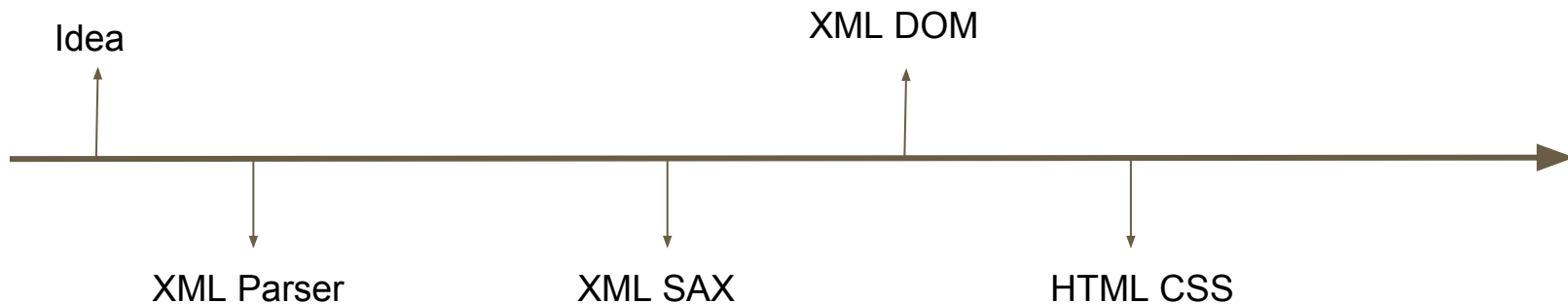
```
function loadXMLDoc() {
  var xmlhttp = new XMLHttpRequest();
  xmlhttp.onreadystatechange = function(){
  //  if (this.readyState == 4 && this.status == 200) {
      myFunction(this);
  //  }
  };
  xmlhttp.open("GET", "cookingtest.xml", true);
  xmlhttp.send();
}

function myFunction(xml) {
  var x, i, xmlDoc, txt;
  xmlDoc = xml.responseXML;
  txt = "";
  x = xmlDoc.getElementsByTagName("title");
  for (i = 0; i< x.length; i++) {
    txt += x[i].childNodes[0].nodeValue + "<br>";
  }
  document.getElementById("demo").innerHTML = txt;
}
```

XML DOM

```javascript
$( document ).ready(function() {
        $.get('Recipes.xml', function(d){
            $('div#contentBody').append('<ul id="recipeList"/>');

        $(d).find('recipe').each(function(){

            var $recipe = $(this);
            var id = $recipe.attr("id");
            var title = $recipe.find("title").text();
            var preps_time = $recipe.find("preparation_time").text(); //added prep_time
            var calorie = $recipe.find("calories").text(); //added calories

            var img = $recipe.find("image").find('src').text();
            var ingredients = [];

            $recipe.find('basic').each(function(){
                    var $ing = $(this);
                    var name = $ing.attr("name");
                    var amount = $ing.attr("amount");
                    var unit = $ing.attr("unit");
                    var ingrd = {name: name, amount: amount, unit: unit};
                    ingredients.push(ingrd);

            });
```

Project Timeline

Demo