

# Project 1

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# The Problem

- Work as a group to:
  - Create a user interface that is interactive
  - Make a PowerPoint presentation about this user interface
  - Record the presentation with voice overs and a code demonstration, and upload to YouTube

# Overview of Solution

- Create a user interface for an interactive recipe website
- This website will have interactions in the form of:
  - Links within the same page
  - Links to other pages, and
  - Pictures that enlarge when hovered over

# Key Features

- Website is pleasant to look at and easy to navigate
- Layout remains consistent over the different recipe pages
- Links within the pages
- Links to other pages
- Every recipe has a picture
- Pictures enlarge when hovered over

# Website is pleasant to look at and easy to navigate

- This is very important because
  - If a website does not look good people are less likely to take interest in it, and
  - If a website is not easy to navigate people are less likely to continue using it
- We met these requirements by
  - Having an attention grabbing first page
  - Having a home page that is easy to read and navigate
  - Having a link to the homepage on every other page
  - Having a link to every recipe
  - Every Recipe has a picture
  - Choosing a common color scheme

## Layout remains consistent over the different recipe pages

- To help keep the look of our website consistent, we used the same layout for all of the recipe pages
- But we wanted to add a bit of flair so we changed the color of the headings on each page to keep it interesting

# Links within the pages

- On the top of each recipe page there is a link to every recipe on that page
- At the end of each recipe there is a link back to the top of the page
- This allows the user to navigate more freely since they can
  - Scroll through the page to view all of the recipes
  - Choose which specific recipe they would like to view
  - Easily navigate back to the top

# Links to other pages

- These are very important because it helps make the webpage more user friendly
  - Makes the website easier to use
  - Information can be put on other pages
    - Allows it to be spread out and not overwhelm the user
    - Can be put into categories for easier access
- The homepage has a link to every recipe page, and
- Every recipe page has a link back to the home page



# Every recipe has a picture

- I am pretty sure anyone who has used a recipe that does not have a picture has at one point thought “I wish I knew what this is supposed to look like.”
- We have remedied this problem by including a picture of every recipe
- This also has the added bonus of making the website look better

## Pictures enlarge when hovered over

- We decided to take the pictures a step further
- When a picture is hovered over an enlarged version pops up with the name of the recipe underneath it
- This way the user can get a better look at all of the delicious food on our website

# Code

- Style sheets
- Lists
- Links
- Animation
- Pictures
- Classes

# Style Sheets

- We used three style sheets
  - style.css
  - main.css
  - SimpleMeals.css
- Style.css was used for the front page
- Main.css was used for the main page
- SimpleMeals.css was used for the recipe pages

# Lists

- We used nested lists
  - An unordered list with a 2<sup>nd</sup> unordered list and an ordered list inside
- `<ul>`
    - `<li>Ingredients:</li>`
    - `<ul>`
      - `<li></li>`
      - ...
    - `</ul>`
    - `<li>Directions:</li>`
    - `<ol>`
      - `<li></li>`
      - ...
    - `</ol>`
  - `</ul>`

# Links

- We used 2 types of links
  - Page to page
  - Within page
- `<a href="Breakfast.html">Breakfast</a>`
- `<a href="#Section_One">Avocado Toasts</a>`
- ...
- `<a name="Section_One"></a>`
- `<h2>Avocado Toasts</h2>`

# Animation

- For the animation we used the .page class
- .page{
  - position: fixed;
  - top: 0; right: 0; bottom: 0; left: 0;
  - background-image: url(Backgrounds/chopping.jpg);background-size: 100% 100%;
  - animation-name: coverup;
  - animation-duration: 2s;
  - animation-delay: 2.5s;
  - animation-fill-mode: both;
- }
- @keyframes coverup{
  - from {height: 100%; width:100%; }
  - to {height: 0%;}
- }

# Classes

- We used a lot of different classes for this project
  - .head
  - .btn:link, .btn:visited
  - .btn:hover, .btn:active
  - .nav
  - .block
  - .pics
  - .page
  - .text
  - .dropdown
  - `<style type="text/css">p{}.darkgree ...`
  - etc



# Pictures

- To enlarge the pictures we used a dropdown class inside a div tag
- `<div class="dropdown">`
- ``
- `<div class="dropdown-content">`
- ``
- `<div class="desc">`
- Chess Pie`</div></div></div>`
- `.dropdown {`
- `position: relative;`
- `display: inline-block;`
- `}`
- `.dropdown-content {`
- `display: none;`
- `position: absolute;`
- `background-color: #f9f9f9;`
- `box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);`
- `z-index: 1;`
- `}`
- `.dropdown:hover .dropdown-content {`
- `display: block;`
- `}`
- `.desc {`
- `padding: 15px;`
- `text-align: center;`
- `}`

# Bug Testing

- In order to test for bugs we
  - Went through the webpages and checked if
    - Every thing looks right
      - Layout looks correct
      - Pictures are rendering
      - Text is in the proper locations and in the correct colors
      - etc
    - The links go to the proper locations

# Up Next

- Code Demonstration