158258 Web Development Tutorial Exercise on Using CSS to Style Web Pages

Computer Science and Information Technology
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Styling the *"P & I Recipes - Nutty and Fruity Oatmeal"* Web Page

In this tutorial, you must apply what you learnt about styling webpages using CSS. You will work on the P & I Recipes web page that you created in the last topic.

At the end, the web page must look as illustrated in the screenshot below. You should use the lecture slides as your guide towards achieving the final web page.

To get started, you will need the working files (working-files_p-and-i-recipes.zip).
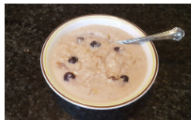
The Web Page at the Beginning

P&I Recipes

Nutty & Fruity Oatmeal

A healthy breakfast is key to a helthy diet. There are many web sites that describe the benefits of oatmeal, including: WebMD Organic facts HHS

Why oatmeal?

Among the many benefits of oatmeal are:

- excellent source of fiber that helps to reduce cholestrol
- loaded with nutrients including vitamins, minerals, and antioxidants
- helps with weight reduction
- reduce constipation

Here is a recipe for a *delicious* oatmeal that increases the high nutritious value of plain oatmeal.

Ingredients

- 1/2 cup quick oats
- 1/2 cup each of almond and vanila soy milk:
- 2 Tbsp chopped walnuts
- 1/2 cup each chopped banana and blueberries
- A pinch each of cardamom and ginger powder
- 1/4 tsp cinnamon powder

Not sure what quick oats are? Quick oats are oat grains that are cut to smaller pieces and then steamed and rolled.

Directions

1. Mix all ingredients in a cooking pot
2. Add one cup of water
3. Bring to a boil and simmer for a couple of minutes. **Important:** Make sure you stir the mixture **frequently** while simmering.

Nutritional value

Nutritional value of 1/2 cup of dry quick oats

Nutrition	Amount
Calories	150 cal (kcal)
Carbohydrates	27 g
Protein	5 g
Fat	3 g
Dietary fiber	4 g

You may find the nutritional value of almost any food from sources like Nutrition Value and What's In Food

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The Web page at the beginning, before any styling is applied to it

The final Web Page

P&I Recipes

Oatmeal | Pancakes | Dinner | Snacks

Related Recipes

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Completed Web page after applying all that you learnt in this topic.

Web Page Design: Wireframe Model
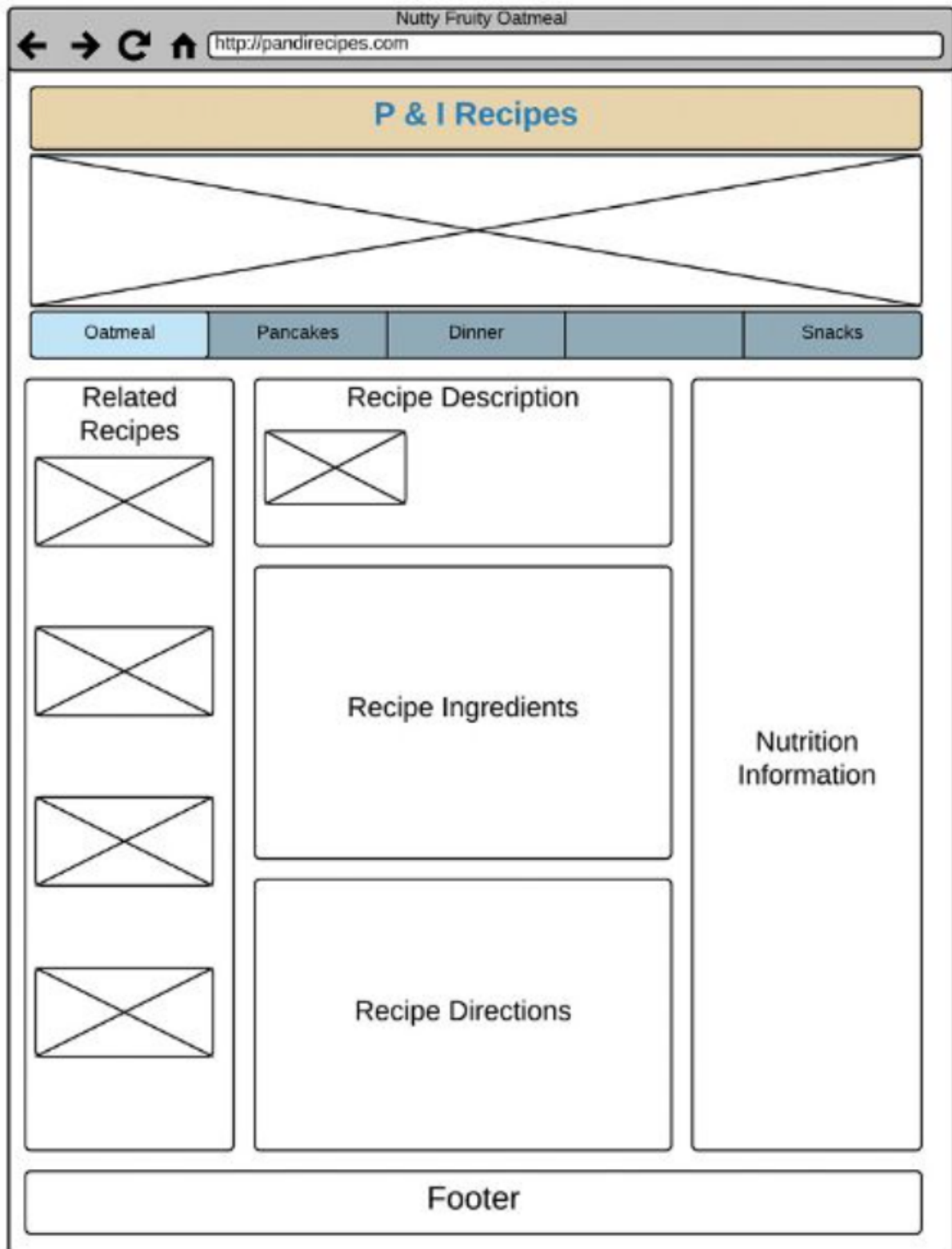
The Wireframe Model for the recipe page

Web Page Design: Page Structure

Initial structure of the HTML page

```
                        body
          ┌──────────────┼──────────────┐
       header           main          footer
                          │
                          ├── section: recipe
                          │   description
                          │
                          ├── section:
                          │   ingredients
                          │
                          ├── section:
                          │   instructions
                          │
                          └── section: nutrition
                              information
```
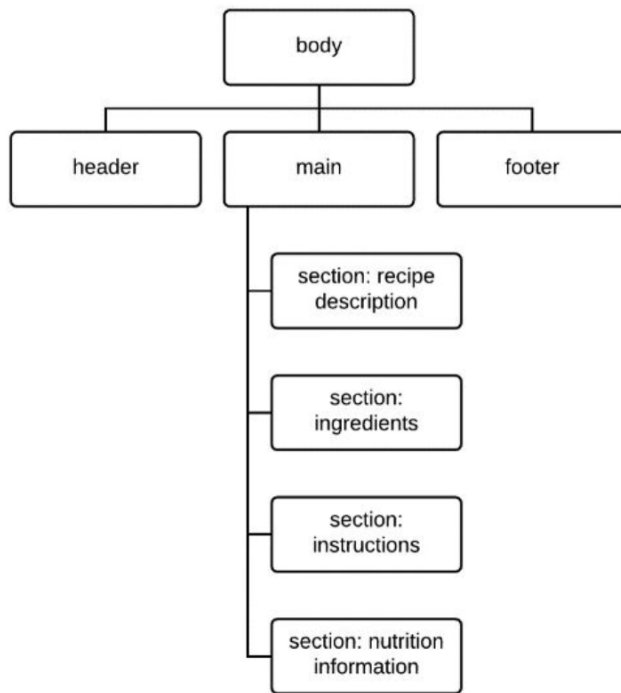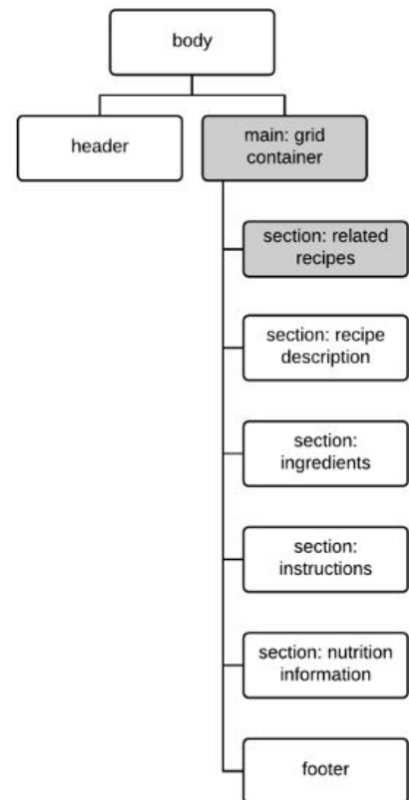
Initial structure of the HTML page

HTML structure revised for the grid layout

```
                    body
          ┌───────────┴───────────┐
       header              main: grid
                           container
                               │
                               ├── section: related
                               │   recipes
                               │
                               ├── section: recipe
                               │   description
                               │
                               ├── section:
                               │   ingredients
                               │
                               ├── section:
                               │   instructions
                               │
                               ├── section: nutrition
                               │   information
                               │
                               └── footer
```