Національний технічний університет України «Київський політехнічний інститут імені Ігоря Сікорського» Факультет інформатики та обчислювальної техніки Кафедра інформаційних систем та технологій

Лабораторна робота №5

з дисципліни "Основи клієнтської розробки"

Тема: "Блочні елементи. Рядкові елементи. Позиціонування. Псевдокласи. Псевдоелементи"

Тематика:«Рецепти»

Виконав:

студент групи ІП-93

Домінський Валентин

Олексійович

Перевірила:

ст. вик. Кафедри ІСТ

Хмелюк Марина Сергіївна

Завдання:

1. Застосувати блочні елементи <div> ... </div>, рядкові елементи Для позиціонування блоків застосувати властивість position. Зробити один або декілька блоків плаваючими, застосувавши атрибут float.

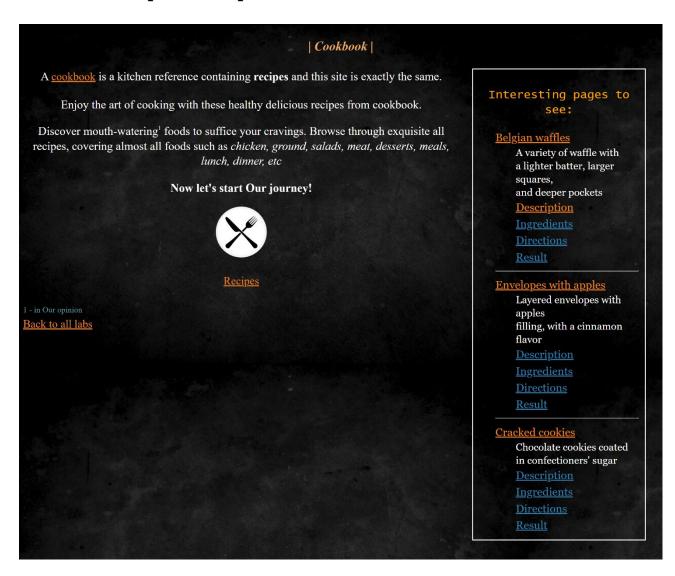
Використати:

- 2. псевдокласи для посилань (:link, :visited, :active, :hover);
- 3. псевдоклас :first-child;
- 4. псевдоелементи: :before, :after.

Результати:

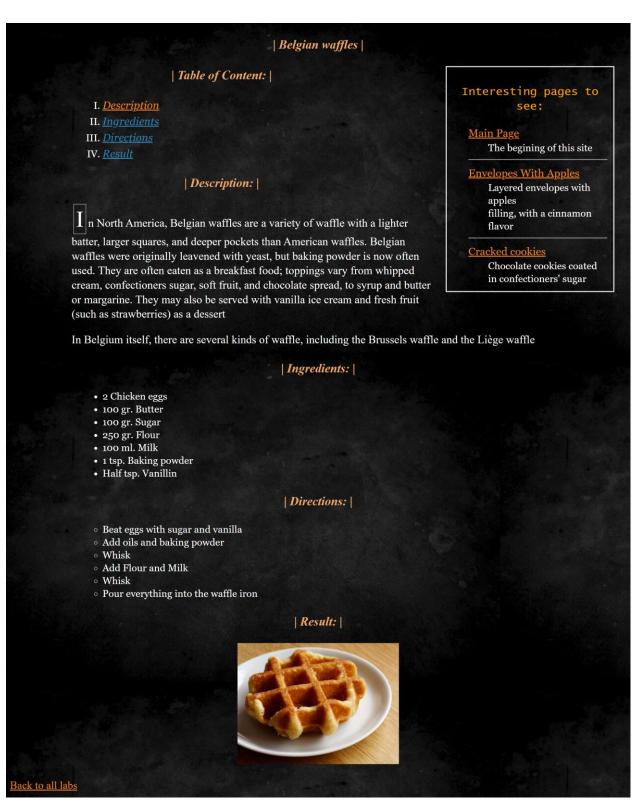
Головна сторінка, де є:

- Псевдоелементи :after та :before
- Блоки div, span
- Псевдокласи для посилань (:link, :visited, :active, :hover)
- Плаваючий блок
- Блоки з різними position



Другорядна сторінка, де ϵ :

- Псевдоелементи :after та :before
- Блоки div
- Псевдокласи для посилань (:link, :visited, :active, :hover)
- Плаваючий блок
- Псевдоклас :first-child



Вихідний код:

index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta name="author" content="Valentyn Dominskyi">
  <meta name="keywords" content="recipes, cookbook">
  <meta name="description" content="cookbook site with recipes">
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <title>Main page</title>
</head>
<body>
  <header>
    <h3>Cookbook</h3>
  </header>
  <div>
    <div class="Sidebar">
      Interesting pages to see:
      <article>
        <dl class="SidebarText">
          <dt>
            <a href="Belgian-Waffles.html">Belgian waffles</a>
          </dt>
          <dd>A variety of waffle with <br> a lighter batter, larger squares, <br> and deeper
pockets</dd>
```

```
<dd>
  <a href="Belgian-Waffles.html#Description">Description</a>
</dd>
<dd>
  <a href="Belgian-Waffles.html#Ingredients">Ingredients</a>
</dd>
<dd>
  <a href="Belgian-Waffles.html#Directions">Directions</a>
</dd>
<dd>
  <a href="Belgian-Waffles.html#Result">Result</a>
</dd>
<hr>
<dt>
  <a href="Envelopes-With-Apples.html">Envelopes with apples</a>
</dt>
<dd>Layered envelopes with apples <br/>filling, with a cinnamon flavor</dd>
<dd>
  <a href="Envelopes-With-Apples.html#Description">Description</a>
</dd>
<dd>
  <a href="Envelopes-With-Apples.html#Ingredients">Ingredients</a>
</dd>
<qq>
  <a href="Envelopes-With-Apples.html#Directions">Directions</a>
</dd>
<qq>
  <a href="Envelopes-With-Apples.html#Result">Result</a>
</dd>
<hr>
<dt>
  <a href="Cracked-Cookies.html">Cracked cookies</a>
```

```
<dd>Chocolate cookies coated <br> in confectioners' sugar</dd>
          <qq><
             <a href="Cracked-Cookies.html#Description">Description</a>
          </dd>
          <dd>
             <a href="Cracked-Cookies.html#Ingredients">Ingredients</a>
          </dd>
          <dd>>
            <a href="Cracked-Cookies.html#Directions">Directions</a>
          </dd>
          <dd>
            <a href="Cracked-Cookies.html#Result">Result</a>
          </dd>
        </dl>
      </article>
    </div>
    <article style="text-align: center">
      A <i><a href="https://en.wikipedia.org/wiki/Cookbook"
target="_blank">cookbook</a></i> is a kitchen reference containing
<strong>recipes</strong> and this site is exactly the same.
      Enjoy the art of cooking with these healthy delicious recipes from cookbook.
      Discover mouth-watering<span class="Note">1</span> foods to suffice your
cravings. Browse through exquisite all recipes, covering almost all foods such as
<em>chicken, ground, salads, meat, desserts, meals, lunch, dinner, etc</em>
      <b>Now let's start Our journey!</b>
      <div id="KnifeAndFork">
        <img src="images/knife-and-fork.jpg" alt="knife-and-fork" width="70">
      </div>
      <img src="images/plate.png" alt="plate" width="100">
      >
        <a href="Recipes.html">Recipes</a>
      </article>
```

</dt>

```
</div>
  <footer>
    <div><span class="NoteDescription">1 - in Our opinion</span></div>
    <a href="../index.html">Back to all labs</a>
  </footer>
</body>
</html>
Style.css:
header {
  text-align: center
}
body {
  font-size: 23px;
  color: #ffffff;
  font-style: normal;
  line-height: 1.3;
  text-align: left;
  background-image: url("images/Background.jpg");
}
h3 {
  font-size: 25px;
  color: #f3a866;
  font-style: italic;
  line-height: 1.5;
  text-align: center;
}
p#ParagraphWithScale {
  text-align: center;
```

```
block-size: 250px;
}
p#Frame {
  text-align: right !important;
  margin-top: -506.5px !important;
}
#ImageWithScale {
  transform: scale(0.5) translate(0%, -50%) !important;
}
p.SidebarHeader {
  font-size: 5;
  color: orange;
  font-family: "Lucida Console", sans-serif;
  text-align: center;
}
ul,
ol,
dl {
  font-size: 20px;
  color: #ffffff;
  font-family: Georgia, serif;
  margin: auto;
  padding-left: 10%;
}
ul,
ol {
  padding-left: 15%;
}
```

```
ul.CircleType {
  list-style-type: circle;
}
ul.DiscType {
  list-style-type: disc;
}
ul.SquareType {
  list-style-type: square;
}
ol.UpperRomanType {
  list-style-type: upper-roman;
}
ol.LowerRomanType {
  list-style-type: lower-roman;
}
ol.AType {
  list-style-type: upper-alpha;
}
ol.DecimalType {
  list-style-type: decimal;
}
table {
  font-size: x-large;
  margin-left: auto;
  margin-right: auto;
  text-align: center;
  padding: auto;
```

```
border: 5px solid #56018F;
  vertical-align: middle;
  color: rgb(255, 249, 240);
}
th {
  background-color: purple;
}
tr {
  vertical-align: middle;
  text-align: center;
}
td\,\{
  border: 1.5px solid #6701ac;
}
a {
  font-size: 22px;
  font-style: normal;
  line-height: 1.5;
  text-align: center;
}
a:link {
  color: #2E82B3;
}
a:visited {
  color: #F08221;
}
a:active {
```

```
color: #C728F7;
}
a:hover {
  color: #00ff22;
}
/* */
span.Note {
  font-size: 50%;
  position: relative;
  top: -10px;
}
span.NoteDescription {
  font-size: 70%;
  color: cadetblue;
}
div.RecipeDescription {
  padding-left: 10%;
  padding-right: 10%;
}
div.RecipeDescription>p:first-child:first-letter {
  font-size: 200%;
  border: white solid 1px;
  padding: 4px;
  margin: 4px;
}
h3:after,
```

```
h3:before {
  content: " | ":
}
div.Sidebar {
  float: right;
  width: 25%;
  height: auto;
  border: 2px solid white;
  padding: 1%;
  margin: auto 2%;
  margin-bottom: 3%;
}
div#KnifeAndFork {
  position: absolute;
  left: 402px;
  top: 374px
}
```

Belgian-Waffles.html:

```
Interesting pages to see:
           <article class="SidebarText">
               <d1>
                   <dt>
                      <a href="index.html" target="_blank">Main Page</a>
                   <dd>The begining of this site</dd>
                   <hr>>
                   <dt>
                      <a href="Envelopes-With-Apples.html">Envelopes With
Apples</a>
                   </dt>
                   <dd>Layered envelopes with apples <br> filling, with a cinnamon
flavor</dd>
                   <hr>>
                   <dt>
                       <a href="Cracked-Cookies.html">Cracked cookies</a>
                   </dt>
                   <dd>Chocolate cookies coated <br> in confectioners' sugar</dd></d>
               </dl>
           </article>
       </div>
       <article>
           <h3>Table of Content:</h3>
           <a href="#Description"><i>Description</i></a>
               <a href="#Ingredients"><i>Ingredients</i></a>
               <a href="#Directions"><i>Directions</i></a>
               <a href="#Result"><i>Result</i></a>
           <a name="Description"></a>
           <h3>Description:</h3>
           <div class="RecipeDescription">
                   In North America, Belgian waffles are a variety of waffle with
a lighter batter, larger squares, and deeper pockets than American waffles. Belgian
waffles were originally leavened with yeast, but baking powder is now often used.
They are often eaten as
                   a breakfast food; toppings vary from whipped cream,
confectioners sugar, soft fruit, and chocolate spread, to syrup and butter or
margarine. They may also be served with vanilla ice cream and fresh fruit (such as
strawberries) as a
                   dessert
               In Belgium itself, there are several kinds of waffle, including
the Brussels waffle and the Liège waffle
```

```
</div>
         <a name="Ingredients"></a>
         <h3>Ingredients:</h3>
         2 Chicken eggs
            100 gr. Butter
            100 gr. Sugar
            250 gr. Flour
            100 ml. Milk
            1 tsp. Baking powder
            Half tsp. Vanillin
         <a name="Directions"></a>
         <h3>Directions:</h3>
         Beat eggs with sugar and vanilla
            Add oils and baking powder
            Whisk
            Add Flour and Milk
            Whisk
            Pour everything into the waffle iron
         <a name="Result"></a>
         <h3>Result:</h3>
cause text underneath will be placed too down without slicing the block size-->
         <a href="images/Belgian_Waffles.jpg" target="_blank">
            <img id="ImageWithScale" src="images/Belgian_Waffles.jpg "</pre>
alt="Belgian Waffles ">
            </a>
      </article>
   </div>
   <footer>
      <a href="../index.html">Back to all labs</a>
   </footer>
</body>
</html>
```

Envelopes-With-Apples.html:

```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
  <meta name="author" content="Valentyn Dominskyi">
  <meta name="keywords" content="recipes, cookbook, Envelopes With Apples">
  <meta name="description" content="cookbook site with recipes">
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <title>Envelopes With Apples</title>
</head>
<body>
  <header>
    <h3>Envelopes With Apples</h3>
  </header>
  <div>
    <aside>
      Interesting pages to see:
      <article class="SidebarText">
        <dl>
          <dt>
            <a href="index.html" target="_blank">Main Page</a>
          </dt>
          <dd>The begining of this site</dd>
          <hr>
          <dt>
            <a href="Belgian-Waffles.html">Belgian waffles</a>
          </dt>
          <dd>A variety of waffle with <br> a lighter batter, larger squares, <br> and deeper
pockets</dd>
```

```
<hr>
         <dt>
           <a href="Cracked-Cookies.html">Cracked cookies</a>
         </dt>
         <dd>Chocolate cookies coated <br> in confectioners' sugar</dd>
       </dl>
     </article>
   </aside>
   <article>
     <h3>Table of Content:</h3>
     <a href="#Description"><i>Description</i></a>
       <a href="#Ingredients"><i>Ingredients</i></a>
       <a href="#Directions"><i>Directions</i></a>
       <a href="#Result"><i>Result</i></a>
     </0|>
     <a name="Description"></a>
     <h3>Description:</h3>
     Envelopes are simple to make: prepare a cottage cheese dough, as a filling I use
apples, you can replace them with pears, dried fruits or come up with another stuffing,
according to your taste
     <a name="Ingredients"></a>
     <h3>Ingredients:</h3>
     ul class="SquareType">
       150 gr. Cottage Cheese
       Little bit of Milk
       75 gr. Sugar
       1 Chicken egg
```

```
Little bit of Vanillin
       6 tbsp. Sunflower oil
       250 gr. Flour
       1 pack. Baking powder
       3 pcs. Apples
       100 gr. Sugar
       1 tsp. Cinnamon
     <a name="Directions "></a>
     <h3>Directions:</h3>
     ul class="CircleType">
       Mix Cottage cheese with sugar
       Add eggs, salt, oil, vanilla, baking powder
       Knead and cover with a towel for 20 minutes
       Divide the dough into 2 parts
       Roll out the 1st part in a circle - 24 cm and width - 5 mm
       Cut into 8 sectors. Make three incisions in each triangle
       On a wide edge we spread apples which are sprinkled with sugar and
cinnamon
       Fold the narrow edge to the wide side, bending the bottom of the envelope
       Grease with egg yolk with milk and powder
       Sake at 180 degrees for 25 minutes
     <a name="Result"></a>
     <h3>Result:</h3>
     <a href="images/Envelopes-With-Apples.jpg" target="_blank">
       <img src="images/Envelopes-With-Apples.jpg" alt="Envelopes With Apples"</pre>
width="800">
       </a>
```

Little bit of Salt

```
</article>
  </div>
  <footer>
    <a href="../index.html">Back to all labs</a>
  </footer>
</body>
</html>
Cracked-Cookies.html:
<!DOCTYPE html>
<html lang="en">
<head>
  <meta name="author" content="Valentyn Dominskyi">
  <meta name="keywords" content="recipes, cookbook, Cracked cookies">
  <meta name="description" content="cookbook site with recipes">
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <title>Cracked cookies</title>
</head>
<body>
  <header>
    <h3>Cracked cookies</h3>
  </header>
  <div>
    <aside>
      Interesting pages to see:
      <article class="SidebarText">
```

```
<dl>
          <dt>
            <a href="index.html" target="_blank">Main Page</a>
          </dt>
          <dd>The begining of this site</dd>
          <hr>
          <dt>
            <a href="Belgian-Waffles.html">Belgian waffles</a>
          </dt>
          <dd>A variety of waffle with <br > a lighter batter, larger squares, <br > and deeper
pockets</dd>
          <hr>
          <dt>
            <a href="Envelopes-With-Apples.html">Envelopes With Apples</a>
          </dt>
          <dd>Layered envelopes with apples <br/>br> filling, with a cinnamon flavor</dd>
        </dl>
      </article>
    </aside>
    <article>
      <h3>Table of Content:</h3>
      <a href="#Description"><i>Description</i></a>
        <a href="#Ingredients"><i>Ingredients</i></a>
        <a href="#Directions"><i>Directions</i></a>
        <a href="#Result"><i>Result</i></a>
      </0|>
      <a name="Description"></a>
      <h3>Description:</h3>
```

These traditional Christmas cookies are a cut above the rest because they're as rich and fudgy as brownies. They're thick and soft-baked in the centers with a little extra chocolate for good measure!

```
<a name="Ingredients"></a>
     <h3>Ingredients:</h3>
     300 gr. Flour
       85 / 70 gr. Cocoa
       400 / 300 gr. Sugar
       0.5 cups of sunflower oil
       4 Chicken egg
       2 tsp baking powder
       0.5 cups of powdered sugar
       Little bit of Vanillin
       Little bit of Salt
     <a name="Directions"></a>
     <h3>Directions:</h3>
     ul class="SquareType">
       Beat eggs with sugar
       Beat it with Cocoa
       Beat it with salt, vanilla and oil
       Add flour and baking powder. (The dough turns out soft, but hardens a little in
the refrigerator)
       Refrigerate overnight
       Sake at 180 degrees for 12 minutes
       Sprinkle with powdered sugar
     <a name="Result"></a>
```

```
<h3>Result:</h3>
      <a href="images/Cracked-Cookies.jpg" target="_blank">
        <img src="images/Cracked-Cookies.jpg " alt="Envelopes With Apples"</pre>
height="250">
        </a>
    </article>
  </div>
  <footer>
    <a href="../index.html">Back to all labs</a>
  </footer>
</body>
</html>
Waffle-Tubes.html:
<!DOCTYPE html>
<html lang="en">
<head>
  <meta name="author" content="Valentyn Dominskyi">
  <meta name="keywords" content="recipes, cookbook, Waffle tubes">
  <meta name="description" content="cookbook site with recipes">
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <title>Waffle tubes</title>
</head>
<body>
  <header>
    <h3>Waffle tubes</h3>
  </header>
```

```
<div>
    <aside>
      Interesting pages to see:
      <article class="SidebarText">
        <dl>
          <dt>
            <a href="index.html" target="_blank">Main Page</a>
          </dt>
          <dd>The begining of this site</dd>
          <hr>
          <dt>
            <a href="Belgian-Waffles.html">Belgian waffles</a>
          </dt>
          <dd>A variety of waffle with <br> a lighter batter, larger squares, <br> and deeper
pockets</dd>
          <hr>
          <dt>
            <a href="Envelopes-With-Apples.html">Envelopes With Apples</a>
          </dt>
          <dd>Layered envelopes with apples <br/>br> filling, with a cinnamon flavor</dd>
        </dl>
      </article>
    </aside>
    <article>
      <h3>Table of Content:</h3>
      class="LowerRomanType">
        <a href="#Description"><i>Description</i></a>
        <a href="#Ingredients"><i>Ingredients</i></a>
        <a href="#Directions"><i>Directions</i></a>
```

```
<a href="#Result"><i>Result</i></a>
<a name="Description"></a>
<h3>Description:</h3>
```

The taste of tender, sweet and crunchy waffle tubes is familiar to all of us from childhood. This appetizing dessert has become a favorite delicacy of many children, and adults will love these delicacies. You can cook incense sticks at home with a waffle

iron. Suitable for both electric and Soviet waffle makers for baking waffles on the stove

```
<a name="Ingredients"></a>
<h3>Ingredients:</h3>
100 gr. Margarine / Oil
 0.5 cups of Sugar
 3 \ 4 glasses of Milk
 1 cup Flour
 2 Chicken egg
<a name="Directions"></a>
<h3>Directions:</h3>
ul class="SquareType">
 Melt Margarine / Oil in a Waffle iron
 Pour the mass on the waffle iron
 Fry
 PROFIT
<a name="Result"></a>
<h3>Result:</h3>
<a href="images/Waffle-Tubes.jpg" target="_blank">
```

Recipes.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta name="author" content="Valentyn Dominskyi">
  <meta name="keywords" content="recipes, cookbook">
  <meta name="description" content="cookbook site with recipes">
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <title>Recipes</title>
</head>
<body>
  <header>
    <h3>Cookbook</h3>
  </header>
```

```
<article>
   <!-- Borderlight and borderdark, as I understood, don't work in modern browsers -->
   <caption>All Recipes/caption>
     Belgian waffles
     Envelopes With Apples
     Cracked Cookies
     Waffle Tubes
     <a href="images/Belgian_Waffles.jpg" target="_blank">
           <img src="images/Belgian_Waffles.jpg" alt="Belgian Waffles" width="280">
         </a>
       <a href="images/Envelopes-With-Apples.jpg" target="_blank ">
           <img src="images/Envelopes-With-Apples.jpg" alt="Belgian Waffles"</pre>
width="297">
         </a>
       >
         <a href="images/Cracked-Cookies.jpg" target="_blank">
           <img src="images/Cracked-Cookies.jpg" alt="Belgian Waffles" width="207">
         </a>
       <a href="images/Waffle-Tubes.jpg" target="_blank">
           <img src="images/Waffle-Tubes.jpg" alt="Belgian Waffles" width="280">
         </a>
       <a href="Belgian-Waffles.html">Belgian Waffles Recipe</a>
```

```
<a href="Envelopes-With-Apples.html">Envelopes With Apples Recipe</a>
 <a href="Cracked-Cookies.html">Cracked Cookies Recipe</a>
 <a href="Waffle-Tubes.html">Waffle Tubes Recipe</a>
 >
```

In North America, Belgian waffles are a variety of waffle with a lighter batter, larger squares, and deeper pockets than American waffles. Belgian waffles were originally leavened with yeast, but baking powder is now often used

> >

Envelopes are simple to make: prepare a cottage cheese dough, as a filling I use apples, you can replace them with pears, dried fruits or come up with another stuffing, according to your taste

These traditional Christmas cookies are a cut above the rest because they're as rich and fudgy as brownies. They're thick and soft-baked in the centers with a little extra chocolate for good measure!

> >

The taste of tender, sweet and crunchy waffle tubes is familiar to all of us from childhood. This appetizing dessert has become a favorite delicacy of many children, and adults will love these delicacies. You can cook incense sticks at home with a waffle

```
</article>
 <hr>
 <article>
   <table style="margin-right:auto;margin-left:0px" frame="box" cellpadding="5"
cellspacing="7" cell title="Ingredients in all available recipes">
     <colgroup>
       <col span="4" style="background-color:black" />
       <col/>
     </colgroup>
     <caption>Ingredients in all available recipes</caption>
     <thead>
       Recipes
        Ingredients
        Vanillin
        Milk
```

```
Cocoa
  </thead>
<a href="Belgian-Waffles.html">Belgian Waffles</a>
  \langle 
  \langle 
  X
  <a href="Envelopes-With-Apples.html">Envelopes With Apples</a>
  \langle 
  \left\( 
  X
```

```
<a href="Cracked-Cookies.html">Cracked Cookies</a>
   ≪
   X
   ≪/
   <a href="Waffle-Tubes.html">Waffle Tubes</a>
   X
   ≪/
   X
   </article>
```

Висновки:

Я познайомився з різними блоками, такими як:

- Блочні блоковий елемент
- Рядкові рядковий елемент,

Псевдокласами:

:link, :visited, :active, :hover, :first-child,

Та псевдоелементами:

:before, :after

Застосував position та float

Посилання:

Github

Github Pages