

오픈소스 웹소프트웨어

Open Source Web Software

Homework 1

2023. 4. 4.

Department : CBNU Department of Computer Science
Student No. : 2019038004
Grade : Junior
Writer : Minwoo, Cho

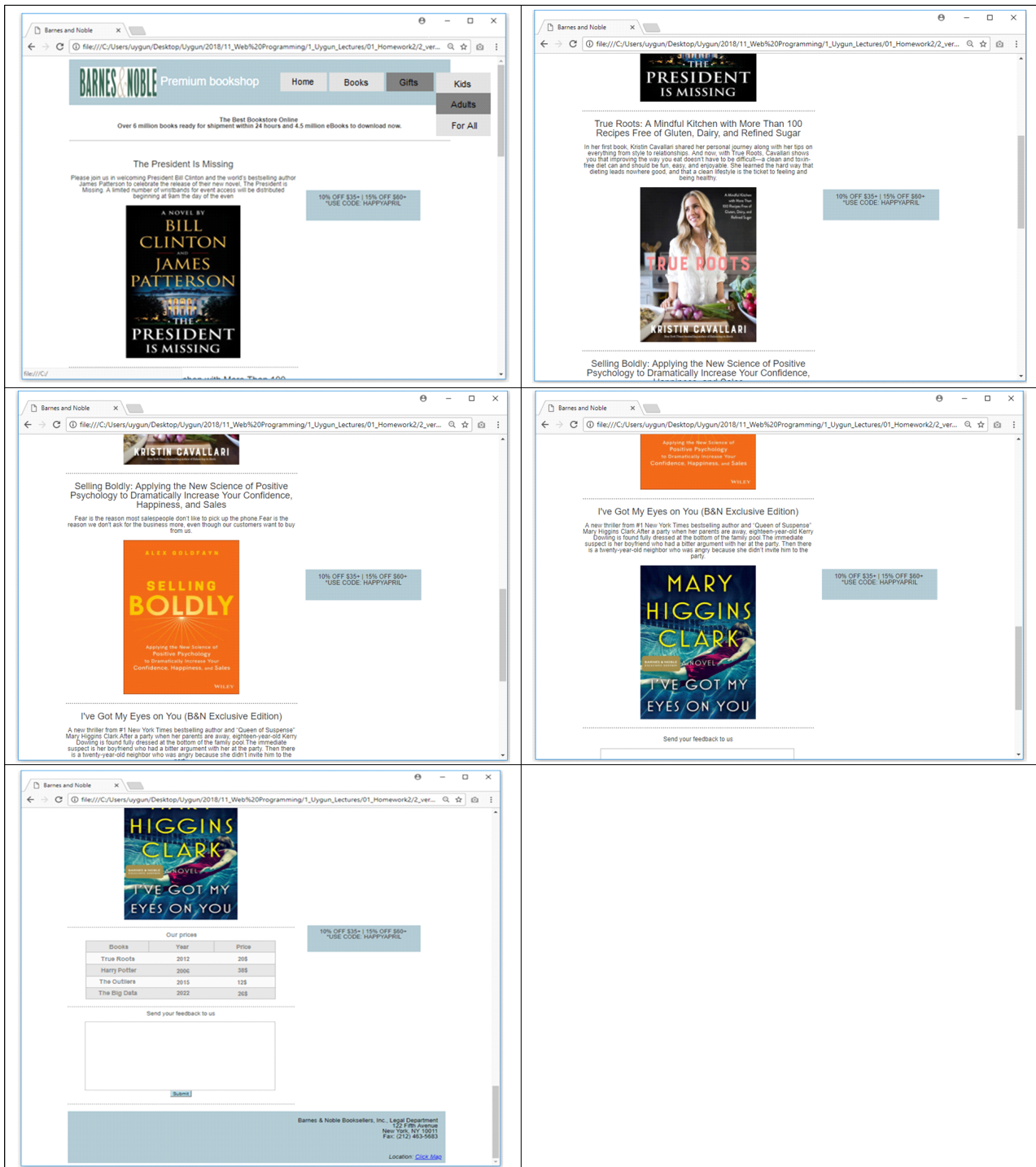
□ Problem Definition

Create an HTML home page for an online book store Barnes and Noble.

Use below website screenshots.

Important points:

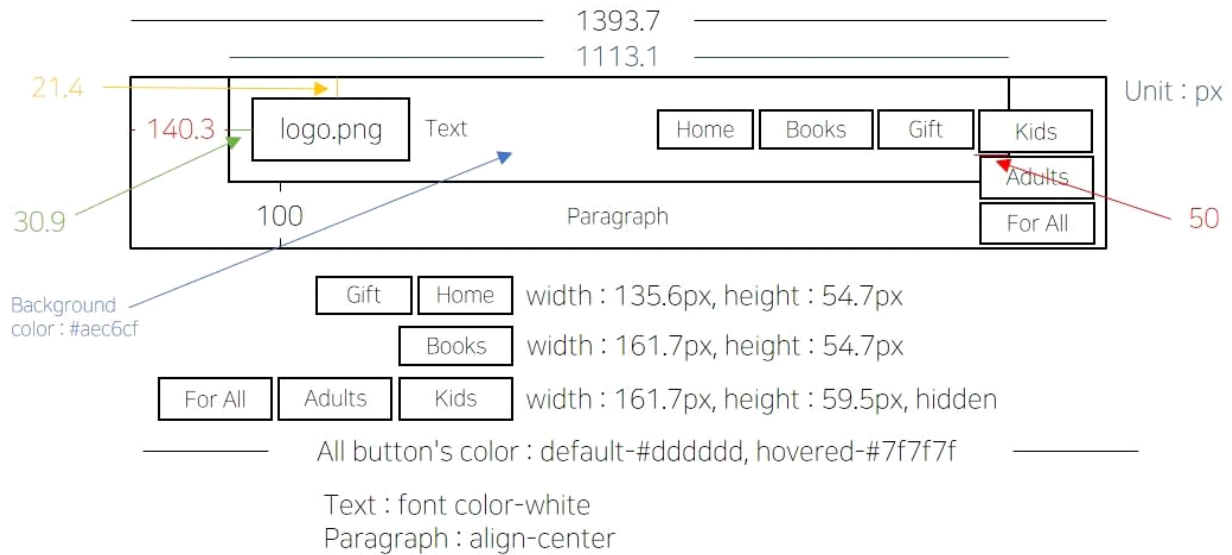
- Use HTML5 layout (Lecture 5: Slide 51 – 55)
- Make top menu change color upon mouse hover as in the screenshot. Additionally, “Gifts” menu has dropdown menu as shown in the screenshot.
- Right side is promotion and does not change its position while scrolling down
- Change the color of rows (dark grey) when mouse is over the table
- Make sure that the text and image files are same as shown in below pictures



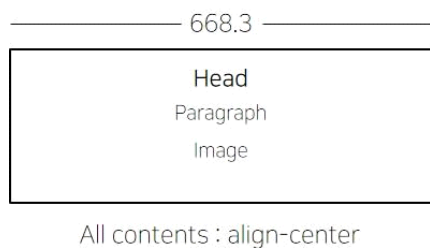
□ Homepage Analytics

Assuming the given logo image and the logo in the screenshot have the same vertical length.
Caculate every length of things via using Adobe photoshop.

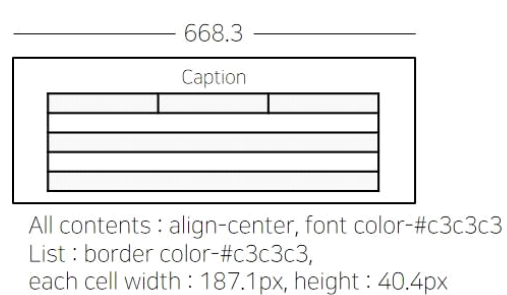
1. Header



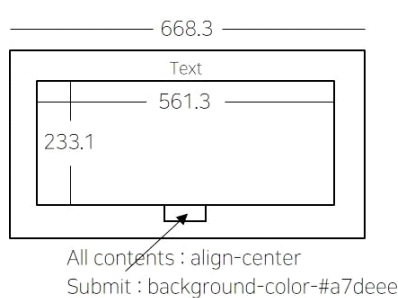
2. Common Article



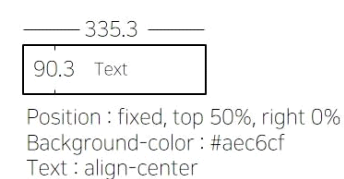
3. Table Article



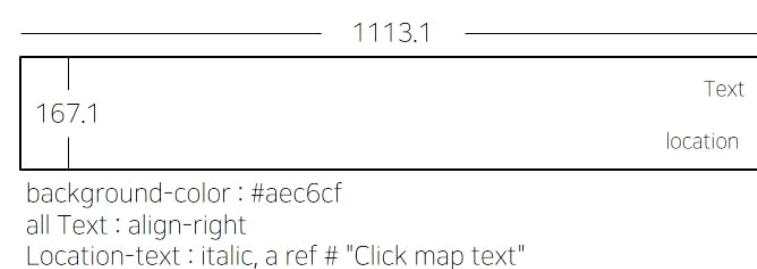
4. Feedback Article



5. Promotion Article



6. Footer



□ Written Code in HTML5

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <style>
      #main_frame {
        width: 1393.7px;
        padding-left: 140.3px;
        padding-right: 140.3px;
        position: relative;
      }
      #title {
        margin-left: 10px;
        color: white;
        display: inline;
        flex-grow: 1;
      }
      header {
        width: 1113.1px;
        height: 88px;
        align-items: center;
        display: flex;
        background: #aec6cf;
        padding: 21.4px 50px 21.4px 30.9px;
      }
      ul {
        list-style: none;
        margin: 0;
        padding-left: 0;
      }
      li {
        background: #dddddd;
        padding: 1rem;
        position: relative;
        display: block;
        float: left;
        text-align: center;
        font-size: 16pt;
      }
      li:hover {
        background: #7f7f7f;
      }
      li a {
        text-decoration: none;
        color: black;
      }
      ul li ul {
        min-width: 5rem;
        margin-top: 1rem;
        position: absolute;
        left: 151px;
        top: -16px;
        display: none;
      }
      ul li:hover > ul {
        display: block;
      }
    </style>
  </head>
  <body>
    <div id="main_frame">
      <div id="title">
        <h1>Title</h1>
      </div>
      <div id="header">
        <div>
          <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">About</a></li>
            <li><a href="#">Contact</a></li>
            <li><a href="#">Menu</a></li>
          </ul>
        </div>
      </div>
    </div>
  </body>
</html>
```

```

}
.small_button {
    width: 135.6px;
    margin-left: 3px;
}
#big_button {
    width: 161.7px;
    margin-left: 3px;
}
.other_button {
    margin-left: 20px;
    width: 161.7px;
    height : 40px
}
#description {
    width: 1194px;
    padding-top:30px;
    padding-bottom:30px;
    align-items: center;
    text-align: center;
}
.hrs {
    width: 1194px;
}
.main_hr {
    height: 0.5px;
    background: #7f7f7f;
}
.article_hr {
    border: dotted 3px #7f7f7f;
}
#articles {
    width: 1194px;
    padding-top:30px;
    padding-bottom:30px;
    text-align: center;
    align-content: center;
}
.common_article {
    width: 668.3px;
}
div p {
    font-size: 13pt;
}
h1 {
    font-size: 18pt;
    font-weight: 500;
}
.table_article {
    width: 668.3px;
    color: #c3c3c3;
}
td {
    width: 187.1px;
    height: 40.4px;
}
caption {

```

```

font-size: 15pt;
margin-bottom: 10px;
}
table {
border: 2px solid #c3c3c3;
border-collapse: collapse;
}
tr:nth-child(odd) {
background: #e0e0e0
}
tr:nth-child(even) {
background: #f4f4f4
}
tr:nth-child(n+2) {
border-top: 2px solid #c3c3c3;
}
.feedback_article {
width: 668.3px;
}
footer {
background: #aec6cf;
text-align: right;
padding: 20px;
height: 167.1px;
}
.promotion_article {
width: 335.3px;
height: 90.3px;
position: fixed;
top: 50%;
left: 860px;
background: #aec6cf;
align-content: center;
text-align: center;
}
tr:hover {
background: darkgrey;
}
</style>
<title>
Barnes and Noble
</title>
</head>
<body>
<div id="main_frame">
<header>

<h1 id="title" style="font-size: 22pt">Premium bookshop</h1>
<ul id="navi">
<li class="small_button">
<a href="#">Home</a>
</li>
<li id="big_button">
<a href="#">Books</a>
</li>
<li class="small_button">
<a href="#">Gifts</a>

```

```

        <ul>
            <li class="other_button">
                <a href="#">Kids</a>
            </li>
            <li class="other_button">
                <a href="#">Adults</a>
            </li>
            <li class="other_button">
                <a href="#">For all</a>
            </li>
        </ul>
    </li>
</ul>
</header>
<div id="description">
    The Best Bookstore Online<br>
    Over 6 million books ready for shipment within 24 hours and 4.5 million
eBooks to download now.
</div>
<div class="hrs">
    <hr class="main_hr">
</div>
<div id="articles">
    <div class="common_article">
        <h1>
            The President Is Missing
        </h1>
        <p>
            Please join us in welcoming President Bill Clinton and the world's
bestselling author James Patterson to celebrate
            the release of their new novel, The president is Missing. A limited
number of wristbands for event access will be distributed
            beginning at 9am the day of the even<br>
        </p>
        
        <hr class="article_hr">
        <h1>
            True Roots: A Mindful Kitchen with More Then 100 Recipes Free of
Gluten, Dairy, and Refined Sugar
        </h1>
        <p>
            In ger first book, Kristin Cavallari shared her personal journey
along with her tips on everything from style to relationships.
            And now, with True Roots, Cavallari shows you that improving the wat
you eat doesn't have to be difficult--a clean and toxin-free
            diet can and should be fun, easy, and enjoyable. She learned the hard
way that dieting leads nowhere good, and that a clean
            lifestyle is the ticket to feeling and being healthy.<br>
        </p>
        
        <hr class="article_hr">
        <h1>
            Selling Boldly: Applying the New Science of Positive Psychology to
Dramatically Increase Your Confidence,
            Happiness, and Sales
        </h1>
        <p>

```

Fear is the reason most salespeople don't like to pick up the phone.
Fear is the reason we don't ask
for the business more, even though our customers want to buy from
us.

</p>

<hr class="article_hr">

<h1>
I've Got My Eyes on You (B&N Exclusive Edition)

</h1>
<p>
A new thriller from #1 New York Times bestselling author and "Queen
of Suspense" Mary Higgins Clark. After a party when
her parents are away. eighteen-year-old Kerry Dowling is found fully
dressed at the bottom of the family pool.
The immediate suspect is her boyfriend who had a bitter argument with
her at the party. Then there is a twenty-
year-old neighbor who was angry because she didn't invite him to the
party.

</p>

<hr class="article_hr">

</div>

<div class="table_article">

<table align="center">

<caption>Our prices</caption>

<tr id="table_head">

<td>Books</td>

<td style="border-left: 2px solid #c3c3c3">Year</td>

<td style="border-left: 2px solid #c3c3c3">Price</td>

</tr>

<tr>

<td>True Roots</td>

<td>2012</td>

<td>20\$</td>

</tr>

<tr>

<td>Harry Potter</td>

<td>2006</td>

<td>38\$</td>

</tr>

<tr>

<td>The Outllers</td>

<td>2015</td>

<td>12\$</td>

</tr>

<tr>

<td>The Big Data</td>

<td>2022</td>

<td>26\$</td>

</tr>

</table>

<hr class="article_hr">

</div>

<div class="feedback_article">

<form>

<label

style="color:

#c3c3c3;font-size:


```

15pt;margin-bottom:0;display:block">Send your feedback to us
      <input      type="text"style="width:      561.3px;height:
233.1px;margin-top:10px;margin-bottom:0">
      </label>
      <button style="background:#a7deee;margin:0">SUBMIT</button>
    </form>
    <hr class="article_hr">
  </div>
  <footer>
    Barnes & Noble Booksellers, INC. Legal Department<br>
    122 Fifth Avenue<br>
    New York, NY 10011<br>
    Fax: (212) 463-5683<br><br><br><br>
    <span style="font-style: italic">Location : <a href="#">Click
Map</a></span>
      </footer>
    </div>
    <div class="promotion_article">
      10% OFF $35+ | 15% OFF $60+<br>
      *USE CODE: HAPPYAPRIL
    </div>
  </div>
</body>
</html>

```


Home
Books
Gifts
Kids
Adults
For all

The Best Bookstore Online
Over 6 million books ready for shipment within 24 hours and 4.5 million eBooks to download now.

The President is Missing

Please join us in welcoming President Bill Clinton and the world's bestselling author James Patterson to celebrate the release of their new novel, *The President is Missing*. A limited number of autographs for event access will be distributed beginning at 9am the day of the event.

10% OFF \$35+ | 15% OFF \$60+
*USE CODE: HAPPYAPRIL

True Roots: A Mindful Kitchen with More Than 100 Recipes Free of Gluten, Dairy, and Refined Sugar

In her first book, Kristin Cavallari shared her personal journey along with her tips on everything from style to relationships. And now, with *True Roots*, Cavallari shows you that improving the way you eat doesn't have to be difficult—a clean and toxin-free diet can and should be fun, easy, and enjoyable. She learned the hard way that dieting leads nowhere good, and that a clean lifestyle is the ticket to feeling and being healthy.

10% OFF \$35+ | 15% OFF \$60+
*USE CODE: HAPPYAPRIL

Selling Boldly: Applying the New Science of Positive Psychology to Dramatically Increase Your Confidence, Happiness, and Sales

Fear is the reason most salespeople don't like to pick up the phone. Fear is the reason we don't ask for the business more, even though our customers want to buy from us.

10% OFF \$35+ | 15% OFF \$60+
*USE CODE: HAPPYAPRIL

I've Got My Eyes on You (B&N Exclusive Edition)

A new thriller from #1 New York Times bestselling author and "Queen of Suspense" Mary Higgins Clark. After a party when her parents are away, eighteen-year-old Kerry Dowling is found fully dressed at the bottom of the family pool. The immediate suspect is her boyfriend who had a bitter argument with her at the party. Then there is a twenty-year-old neighbor who was angry because she didn't invite him to the party.

10% OFF \$35+ | 15% OFF \$60+
*USE CODE: HAPPYAPRIL

Our prices

Books	Year	Price
True Roots	2012	\$25
Henry Hobbs	2006	\$65
The Outliers	2015	125
The Big Data	2022	295

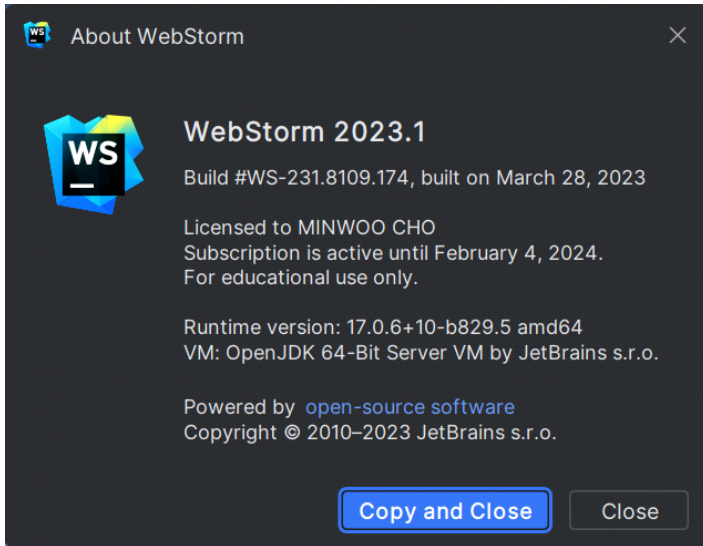
Send your feedback to us

Barnes & Noble Bookstores, INC. Legal Department
122 Fifth Avenue
New York, NY 10011
Fax: (212) 483-5683

Location [Click Here](#)

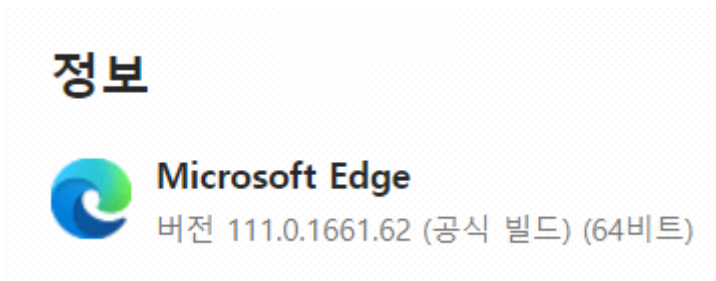
□ Implementation Environment

- HTML5 Editor



Jetbrain WebStorm 2023.1

- Web Browser



Microsoft Edge x64 111.0.1661.62