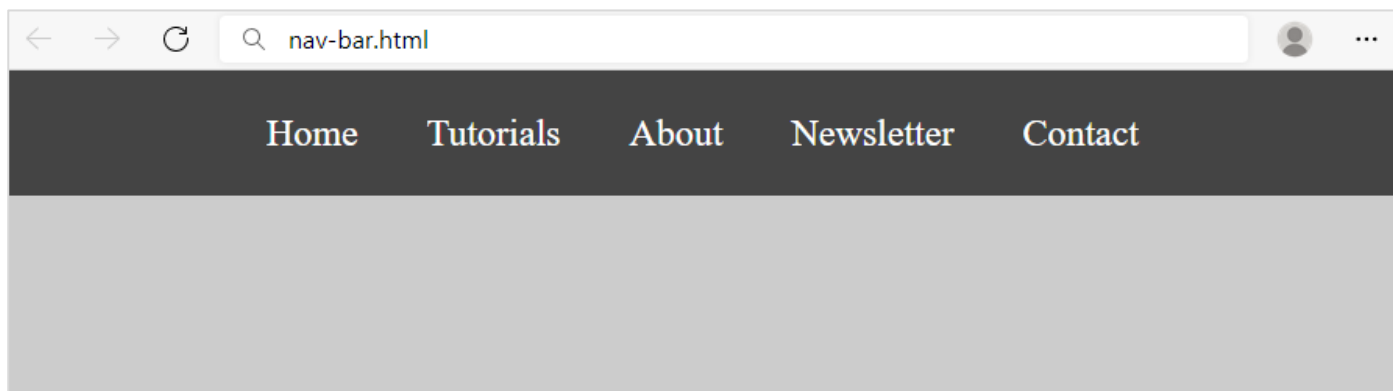


# Exercise: HTML Structure

You can check your solutions here: <https://judge.softuni.org/Contests/3331/HTML-Structure>.

## 1. Navigation Bar

Create a Web page, holding like the following navigation bar:



Use the texts from the file **site-texts.txt**.

Create two files: **nav-bar.html** and **nav-bar.css**.

## Requirements

- **<body>**
  - Margin: **0px**;
  - Padding: **0px**;
  - Background Color: **#CCCCCC**;
- **<nav>** tag as container
- **<ul>** tag for unordered list
  - Background Color: **#444**;
  - Center the text
  - Padding: **0px**;
  - Margin: **0px**;
  - **list-style:none**;
- **<li>** tag for list item
  - Text size: **24px**;
  - Line Height: **40px**;
  - Height: **40px**;
  - Padding: **20px**;
- **<a>** tag for hyperlink
  - **text-decoration: none**;
  - Text-Color: **#ffffff**;

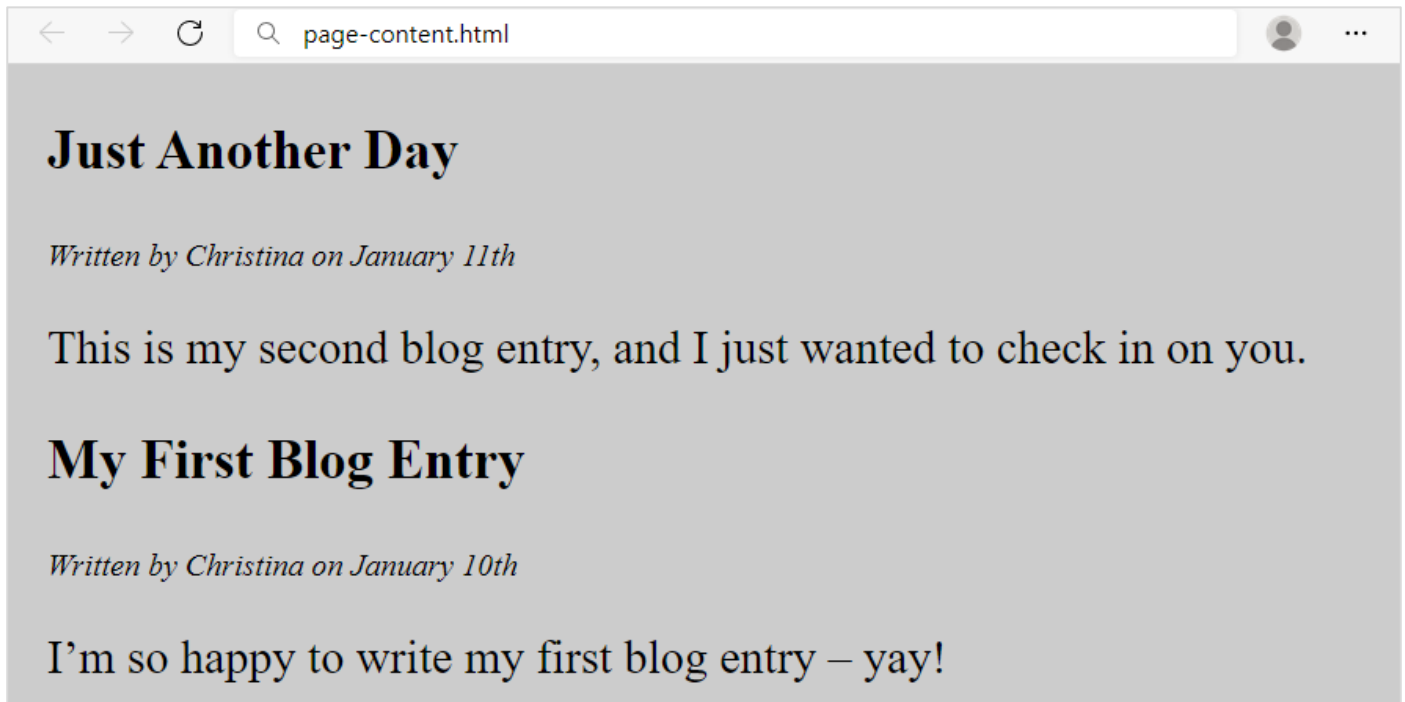
## Hints

Use:

- **<li>** with **display: inline-block**;

## 2. Page Content

Create a Web page like the show below, using the text from the file **site-texts.txt**.



Create two files: **page-content.html** and **page-content.css**.

### Requirements

- **<section>** as a container
- **<article>** tag for content
  - **<header>** with:
    - **<h1>** Text size: **28px**;
    - **<p>** Font Style: **italic**;
- Paragraph
  - Text size: **24px**;
- **<body>**
  - Margin: **0px**;
  - Padding: **0px**;
  - Background color: **#CCCCCC**;
- **<section>**
  - Margin Left: **20px**;

### 3. Semantic Tags

Create a web page like the following:



Use the texts from the file **site-texts.txt**.

Create files: **index.html** and **styles.css**.

### Requirements

HTML:

- The title should be "**Semantic Tags**"
- Add **header** tag for the header section
  - Use **h1** tag for the heading
- Add **main** tag for the main content
  - Create two paragraphs inside (**p** tag)
- Use **footer** tag for the last section
  - Create two paragraphs inside (**p** tag)

The CSS in the example above uses:





- **padding**: 15px, 5px 15px
- **background colors**: #f9f7cf, #f2dcbb
- **width**: 480px

## Hints

```
...<!DOCTYPE html> == $0
<html>
  <head>...</head>
  <body>
    <header>...</header>
    <main>
      <p>...</p>
      <p>...</p>
    </main>
    <footer>...</footer>
  </body>
</html>
```

## 4. Semantic Article Page

Create a web page like the following:

    index.html

# Apple

Published: 9th October, 2009

An **apple** is a sweet, edible fruit produced by an apple tree (*Malus pumila*). Apple trees are cultivated worldwide and are the most widely grown species in the genus *Malus*.

The tree originated in Central Asia, where its wild ancestor, *Malus sieversii*, is still found today. Apples have been grown for thousands of years in Asia and Europe and were brought to North America by European colonists.

Apples have religious and mythological significance in many cultures, including Norse, Greek and European Christian traditions.

## Comments

**Posted by: Apple Lover**

~1 hour ago

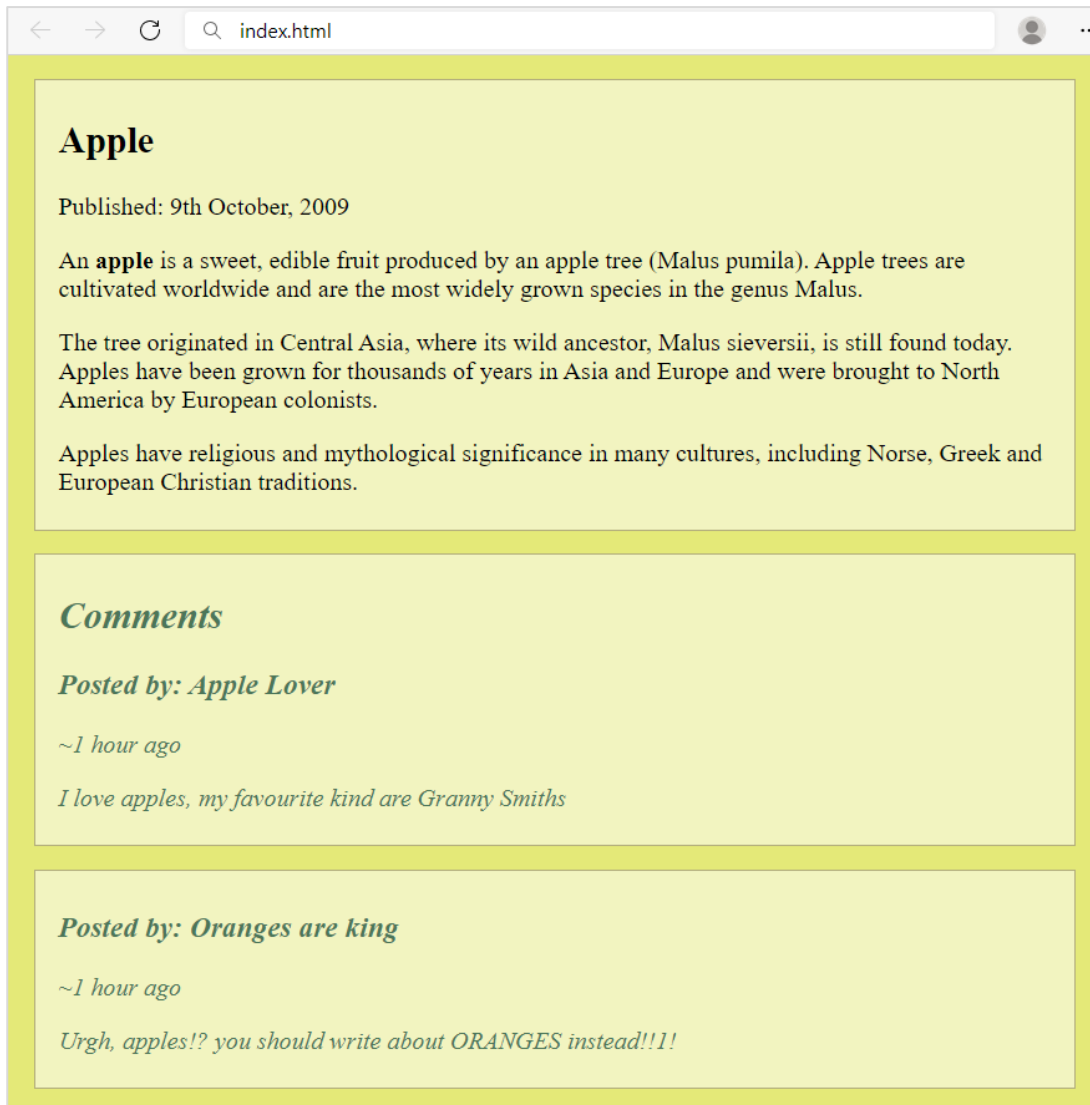
I love apples, my favourite kind are Granny Smiths

**Posted by: Oranges are king**

~1 hour ago

Urgh, apples!? you should write about ORANGES instead!!!

Add CSS to make the Web page look better, like this:



Use the texts from the file **site-texts.txt**.

Create files: **index.html** and **styles.css**.

## Requirements

- The title should be "Semantic Article Page"
- Use **article** tag to create an article
  - The article has header with **h1** heading and a **paragraph** for the published date inside
- Use **p** tag to create 3 paragraphs after the **header**.
  - The paragraphs contain the article content (*info for apple*)
  - Use **b** tag where is needed
- Use **section** tag to create the "Comment section"
  - Add **two articles** inside the section
  - Each **article** has a **heading (h2)** for the **title**
  - Each **article** has **two paragraphs** for the **time** and the **comment**

Used CSS in the example above:

- padding: 5px 15px;
- font-style: italic
- color: #5c6e91

- background colors: #f2f4c0, #e4e978, #4c7658;
- width: 700px
- border: 1px solid #b2ad7d;
- margin: 15px 10px;

## 5. Simple Website

Using the navigation bar and page content from the previous two exercises, create a Web page like the following:



Use the texts from the file **site-texts.txt**.

Create two files: **simple-website.html** and **simple-website.css**.

### Requirements

- Use the **HTML** and **CSS** from previous two problems
- **<footer>** tag
  - Background color: **#444**;
  - **<p>** tag for text
  - Text Color: **#fff**;
  - Center the text
  - Padding: **10px**

### Hints

Use:

- **&copy;** for copyright symbol

## 6. Semantic Blog Layout

Create a **blog layout page**, which holds **header**, **footer** and **main**. The **main** should hold two **sections**, each holding two **articles**. It should look like this (without any styling):



# Developer News

- [HTML](#)
- [JavaScript](#)

## HTML

### New feature: JPEG XL image format

JPEG XL image format is a modern image format optimized for web environments. JPEG XL generally has better compression than WebP, JPEG, PNG and GIF and is designed to supersede them.

Learn more at: [https://en.wikipedia.org/wiki/JPEG\\_XL](https://en.wikipedia.org/wiki/JPEG_XL)

By The HTTP Working Group. Published January 23rd

### New feature: Cookie Store API

Cookie Store API is a JS API for reading and modifying cookies. Compared to the existing `document.cookie` method, the API provides a much more modern interface, which can also be used in service workers.

Learn more at: <https://developer.mozilla.org/en-US/docs/Mozilla/Add-ons/WebExtensions/API/cookies/CookieStore>

By Joshua Bell. Published December 15th

## JavaScript

### Billboard.js 3.0: The D3.js-Powered Chart Library

Billboard.js is a popular library supporting a whole range of chart types out of the box (bar, line, areas, donuts, radars, and various hybrids) – 3.0 brings candlestick / OHLC chart support (often used in financial contexts) and supports D3.js v6.

Learn more at: <https://github.com/naver/billboard.js>

By Jae Sung Park. Published March 24th

### Nine JavaScript and TypeScript ORMs

A roundup, complete with code examples, showing off a variety of tools like Knex.js, Mongoose, TypeORM, Waterline, and Bookshelf.

Learn more at: <https://www.sitepoint.com/javascript-typescript-orms/>

By Michael Wanyoike. Published March 31st

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Please contact [Troy McClure](#) for questions about these articles.

Use the texts from the file **site-texts.txt**.

Create files: **index.html** and **styles.css**.

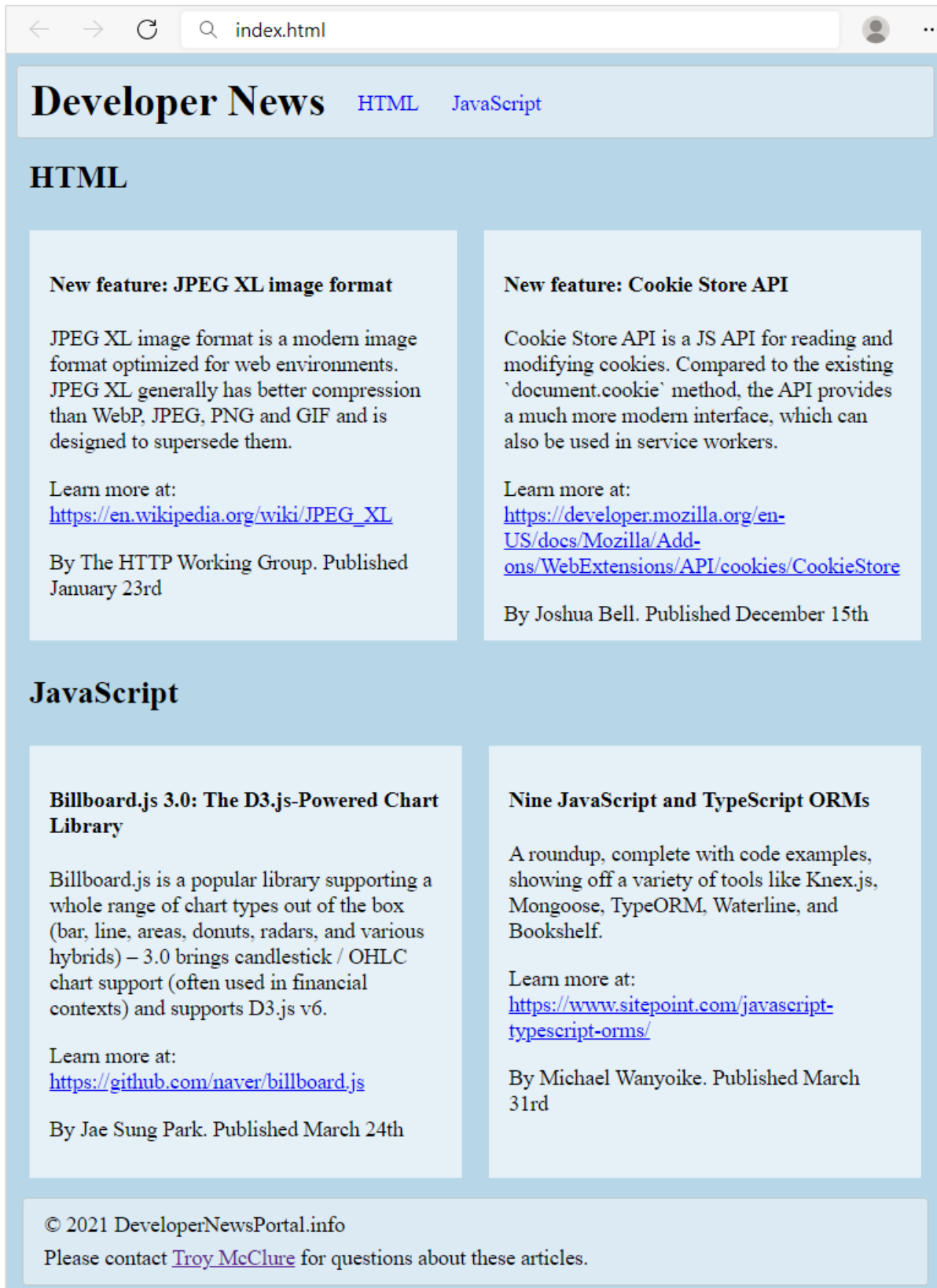
## Requirements

- The title should be "**Semantic Blog Layout**"
- Use **header** tag for the header section
  - Use **h1** tag for the heading
  - Use **nav** tag for the navigation with an unordered list (**ul**) inside
    - Create two **list** items with **anchor (a)** tags inside
- Use **main** tag for the page main content
  - Create two **sections** in the main. Each section has:
    - A **header** with **h2** heading
    - Two **articles** with **h4** heading and three **p** tags inside
    - For the dates use **time** tag
- Use **footer** tag with **two** paragraphs Inside
  - Use **anchor** tag for the name in the last sentence

## Add CSS Styling

Add **CSS styling** to make the blog look better, like at the following screenshot:





Create files: **index.html** and **styles.css**.

Use the following **CSS styles** to make your HTML look like at the screenshot:

```
header {  
    border-radius: 3px;  
    padding: 8px 10px;  
    background-color: #dceaf4;
```

```

    border: 1px solid #bfcacb;
}
header * {
    display: inline;
    vertical-align: middle;
}
nav ul {
    margin: 0;
    padding: 10px;
}
nav li {
    margin: 10px;
}
nav li a {
    text-decoration: none;
}

body{
    background-color: #b7d7e8;
}

section h2 {
    margin: 15px 10px;
}

article {
    display: table-cell;
    width: 50%;
    padding: 10px 15px;
    background-color: #e5f0f7;
    border: 10px solid #b7d7e8;
}

footer {
    margin: 5px;
    padding: 5px 10px;
    border-radius: 3px;
    background-color: #dceaf4;
    border: 1px solid #bfcacb;
}

footer p {
    margin: 5px;
}

```