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Institute of  
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Belgrade

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# Layout in HTML5

# HTML elements

- Which one to use?

<a>	<command>	<html>	<noscript>	<strong>
<abbr>	<content>	<i>	<object>	<style>
<acronym>	<data>	<iframe>	<ol>	<sub>
<address>	<datalist>	<image>	<optgroup>	<summary>
<applet>	<dd>	<img>	<option>	<sup>
<area>	<del>	<input>	<output>	<table>
<article>	<details>	<ins>	<p>	<tbody>
<aside>	<dfn>	<isindex>	<param>	<td>
<audio>	<dialog>	<kbd>	<picture>	<template>
<b>	<dir>	<keygen>	<plaintext>	<textarea>
<base>	<div>	<label>	<pre>	<tfoot>
<basefont>	<dl>	<legend>	<progress>	<th>
<bdi>	<dt>	<li>	<q>	<thead>
<bdo>	<element>	<link>	<rp>	<time>
<bgsound>	<em>	<listing>	<rt>	<title>
<big>	<embed>	<main>	<rtc>	<tr>
<blink>	<fieldset>	<map>	<ruby>	<track>
<blockquote>	<figcaption>	<mark>	<s>	<tt>
<body>	<figure>	<marquee>	<samp>	<u>
 	<font>	<menu>	<script>	<ul>
<button>	<footer>	<menuitem>	<section>	<var>
<canvas>	<form>	<meta>	<select>	<video>
<caption>	<frame>	<meter>	<shadow>	<wbr>
<center>	<frameset>	<multicol>	<small>	<xmp>
<cite>	<head>	<nav>	<source>	
<code>	<header>	<nobr>	<spacer>	
<col>	<hgroup>	<noembed>	<span>	
<colgroup>	<hr>	<noframes>	<strike>	

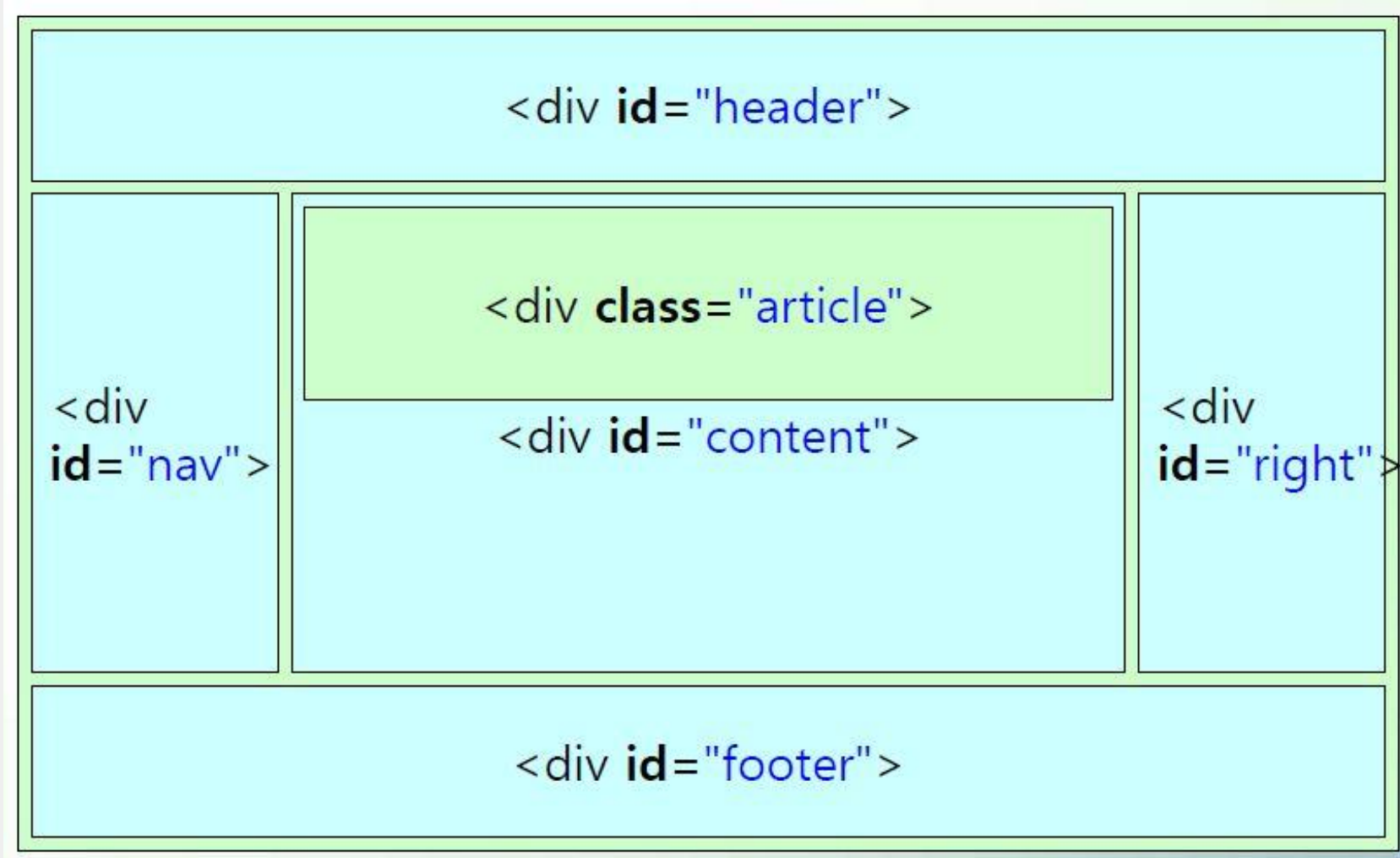
# Semantic HTML elements

- Don't use generic HTML elements (div)
- Try to use appropriate tag based on element content
- By using the right elements, we provide context for element content
- Semantic description is important for:
  - developers
  - machines (screen readers, crawlers...)

# Semantic Description Example

```
<footer>
  <address>
    <p>Centar za obrazovanje BIT TECHNOLOGY DOO</p>
    <p>Nemanjina 4 / I, Beograd</p>
  </address>
  <p>Email <span>kontakt@bgit.rs</span></p>
</footer>
```

# HTML4/XHTML Layout

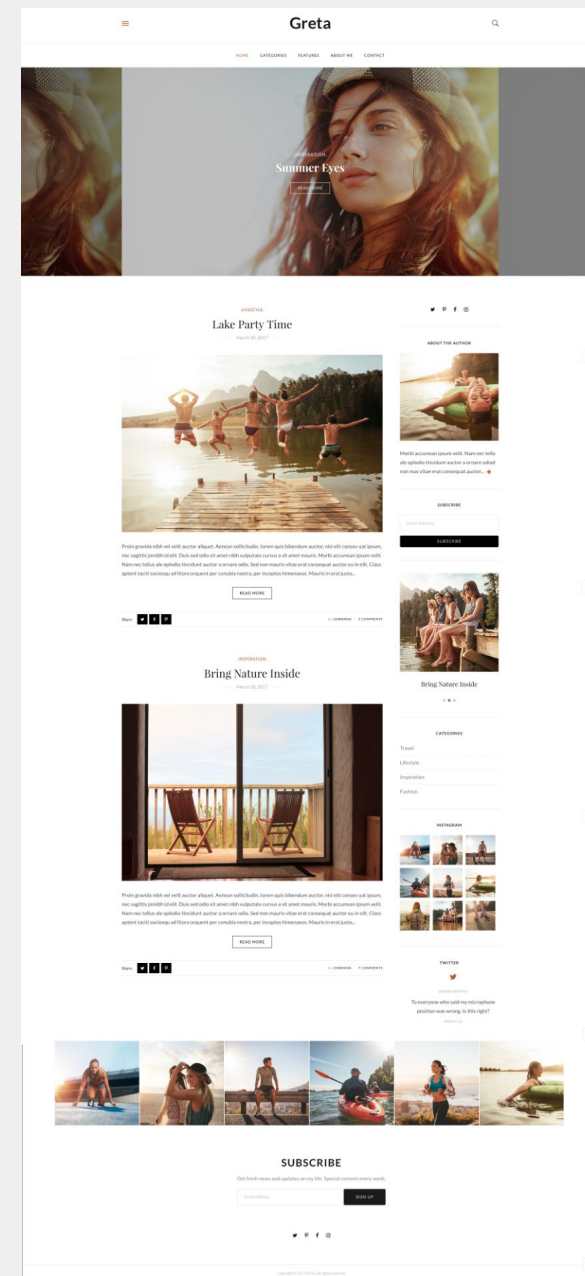
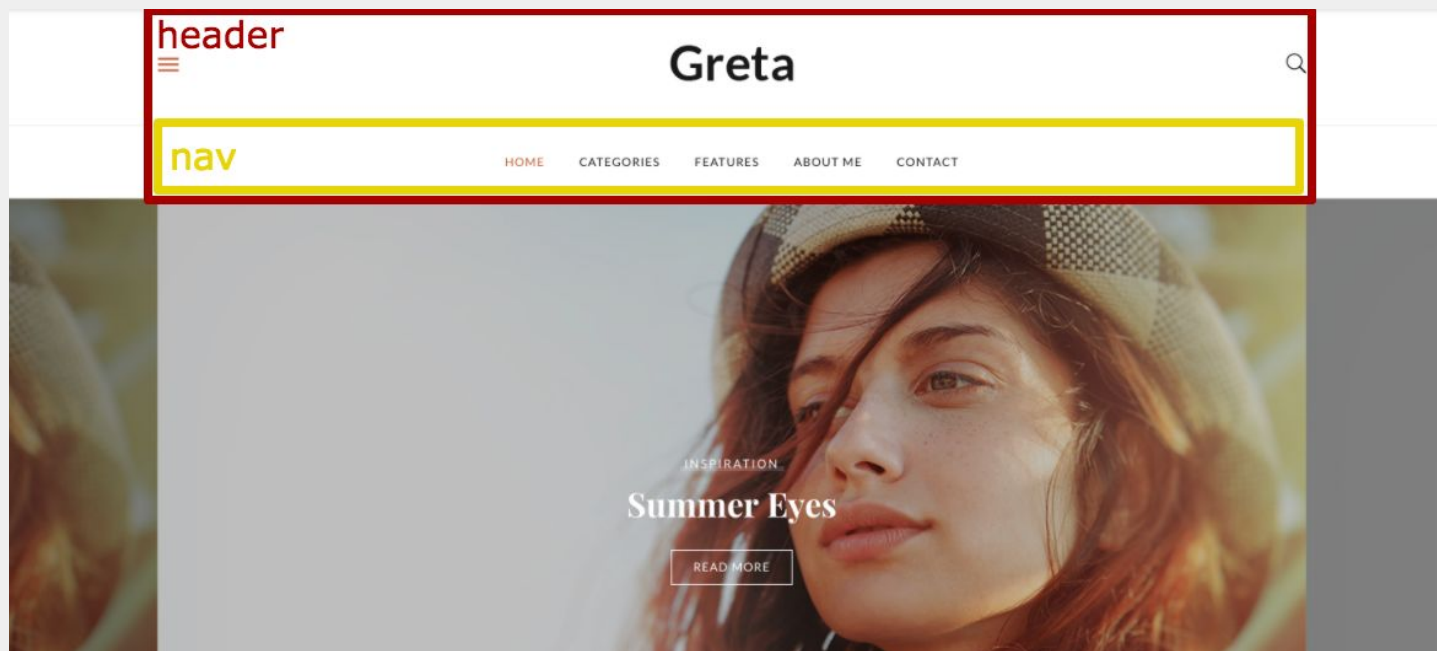


# HTML5 Semantic Layout



# Header & Navigation

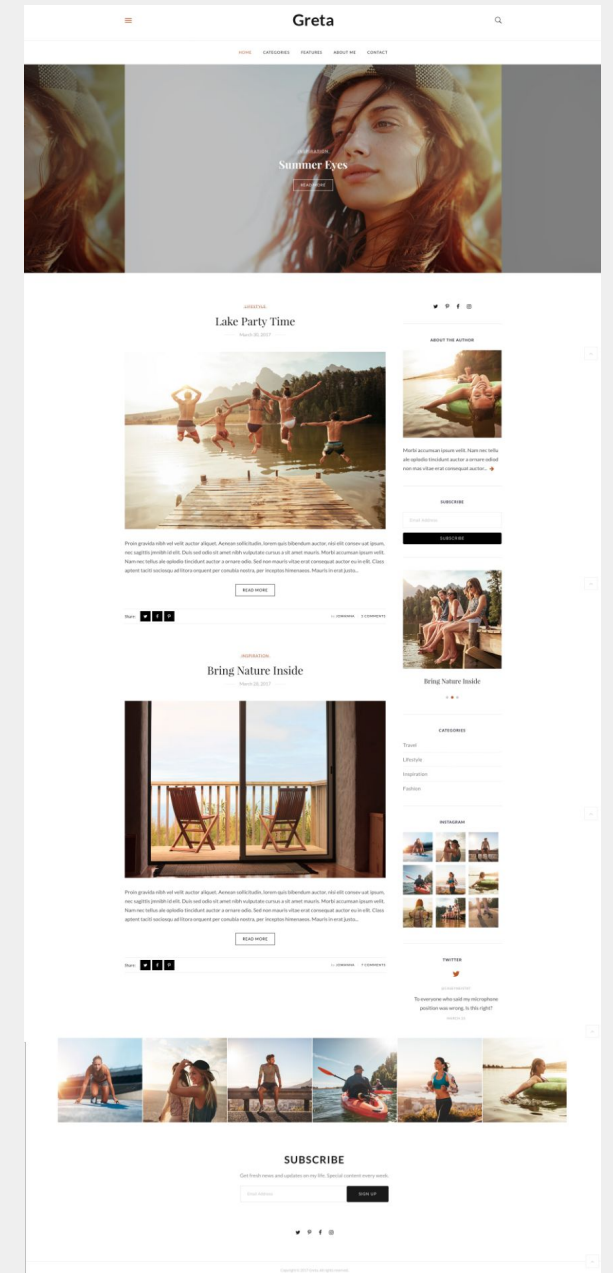
- <header>
- <nav>





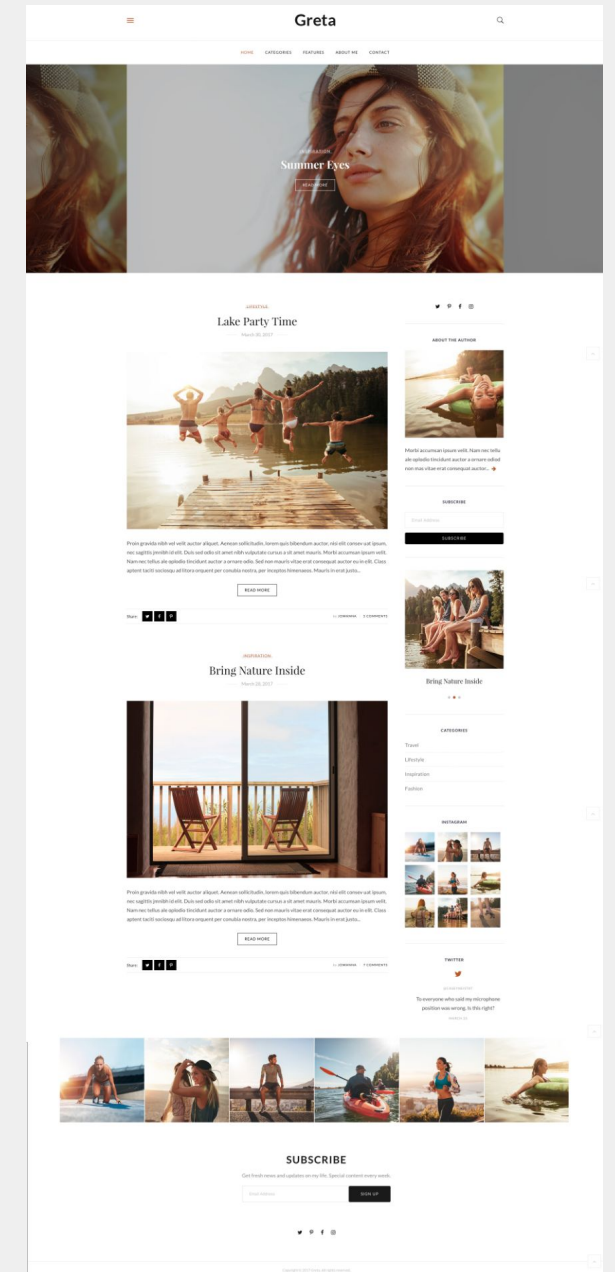
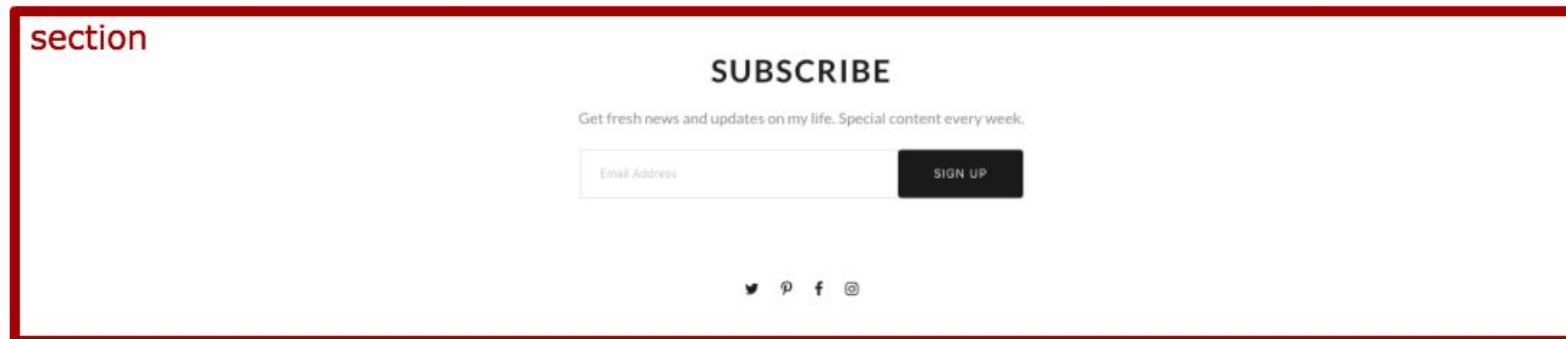
# Main, Article and Aside

- **<main>** - main content (once per page)
- **<aside>** - content that is not essential
- **<article>** - independent, self-contained content



# Section and Footer

- **<section>** - logical section in a document
- **<footer>** - footer of a document or a section



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# Exercise

# References

- Semantic Elements: <https://goo.gl/EGttxN>
- Basic Semantic Page Structure: <https://goo.gl/RERJvf>
- Semantic HTML Tutorial: <https://goo.gl/bjJSjN>

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