

## Examination Registration Form

- During examination students are obliged to comply with the Saxion exam rules, stated in the Education and Examination Regulation. Also now, knowing the exam takes place from home, we expect you will stick to the rules that apply to the exam normally.
  - o In specific we mention: Communication with others is NOT allowed at all during the time the exam takes place. Using of sources is restricted to the ones that are mentioned below and on the next page.
- If you want to fill in an examination feedback form, please turn in the feedback form separately by mailing it to the teacher less than 30 minutes after the end of the exam. (forms available on mySaxion)
- During the exam a teacher will be standby in blackboard collaborate in case of problems. Joining that session is advised.

<b>School</b>	CMGT	<b>Exam Code</b>	T.50252
<b>Name examination</b>	1.2: Web		
<b>Name teacher(s)</b>	Boris Slaghuis and Rene Heijnen		

<b>Exam date</b>	the 3 <sup>rd</sup> of Februari, 2021								
<b>Time</b>	<b>Start</b>	9:15	h	<b>End</b>	11:30	h	<b>Extra</b>	12:15h	h
<b>Groups</b>	ECM1VDA, ECM1VDB, ECM1VDC, ECM1VDD, ECM1VEA, ECM1VEB, ECM1VEC, ECM1VED								

<b>Number of assignments/questions</b>	8	<b>Number of pages</b> (this form included)	11
<b>Aid(s) allowed</b>	Books, self-written notes, Previously created assignments, Websites as mentioned on the next page and Blackboard.		
<b>Aid(s) not allowed</b>	Phones (turn them off and away), Two displays, Social Media, Filesharing services. Make sure to shut down all Social Media and File sharing software so no notices or message popups can occur.		
<b>Remarks lecturer / Assessment criteria</b>	Please read the exam carefully. Make sure you hand-in your work properly. <b>Make a screenshot of the confirmation window.</b> Keep your zip-file don't change your code after uploading.		
<b>Extra information</b>	<p><b><u>Different Versions</u></b></p> <p>The images in this document are generalized. The colors in your assignment might vary with the images in this document. The layout and alignments must be exactly the same as the images in this document.</p>		

## Assessment - Web Technology

Welcome at the assessment of Web Technology. For each assignment you will get a certain number of points. Most assignments consist out of smaller tasks. For each task it states how many points can be earned.

For each assignment a template has been made. These templates are your starting point for the assignment and can be downloaded as a .zip file from Blackboard.

Most assignment folders contain a file called “*donotchange.css*”. This file contains the CSS needed to create the basic layout of the web application. Please use the “*style.css*” file to add your own CSS required to do the assignments.

### **Recommended Websites**

- Blackboard: <https://leren.saxion.nl/>
- W3schools: <https://www.w3schools.com/>
- MDN Web Docs: <https://developer.mozilla.org/>
- HTML Validator: <https://validator.w3.org/>
- CSS Validator: <https://jigsaw.w3.org/css-validator/>
- HTML Reference: <https://htmlreference.io>
- CSS Reference: <https://cssreference.io>
- Google Fonts: <https://fonts.google.com/>
- The Ultimate Guide to Flexbox: <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
- Google Translate: <https://translate.google.com/>

### **Assignment Subjects**

1. Semantic HTML (1 point).
2. CSS Selectors (1 points).
3. Display & Google Fonts (1.5 points).
4. Position & Background-image (1,5 points).
5. Margin & Padding (1 points).
6. Media Queries (1 points).
7. Display Flex (1 points).
8. Lab Assignment (1 points).

### At the start of the test

- Download the zip-file from Blackboard under “Exam”. Follow the instructions mentioned over there.
- Unzip/Extract to your local drive.
- Make a copy of the folder “classname\_studentname\_studentnumber” to backup the original files.
- Change the name of the extracted folder to your own student name, class name and student number: For instance “Slaghuis\_Boris\_ECM1VDa\_000000”

### For each assignment

- **Watch** the video in the folder “videos” that gives an indication of the end result.
- **Read** the question in this document and open the needed files.
- If you encounter a **bug** you cannot solve? Use the inspector or validators to find a solution.
- If an assignment takes **too much time** to solve then start on the next question. You can go back to it once you have done all other assignments.

### End of the test

Keep in mind this all has to be done before the end of the exam (11:30h) so start in time.

- Zip the folder containing all your finished files. The zip-file should have the same name as the folder! Upload the file to Blackboard at the same spot where you downloaded the start files. Follow the instructions over there.
- When the upload is started do nothing in the browser anymore. Wait for the confirmation screen and make a screenshot). Keep this screenshot, your uploaded zip-file and don't change your code after upload.
- In the case of uploading the wrong file or if something happens during uploading contact the teacher immediately (join the Blackboard Collaborate session). Note that the assignment on Blackboard closes after the exam is finished.



The (A-)TEAM salutes you and wishes you all the best of luck!!!

# 1 Semantic HTML

1  
pts

Edit the “*index.html*” file to create the same layout as shown in the image below.

- **Watch** the provided **video** for more info.
- Every **mistake** will cost you **0.2 points**.
- You are **not allowed** to make any changes in the CSS file.

8	body	#1
11	└ logo	#1.1
15	└ navigation	#1.2
21	└ The Mandalorian season 3: release date, Boba Fett, cast, and more	#1.3
23	└└ By Bradley Russell a month ago	#1.3.1
36	└└ The Mandalorian season 3 release date: 2022	#1.3.2
54	└ RECOMMENDED	#1.4
63	└└ 1	#1.4.1
74	└└ 2	#1.4.2
82	└└ 3	#1.4.3
90	└└ 4	#1.4.4
98	└└ 5	#1.4.5

Figure 1a: Document Outline

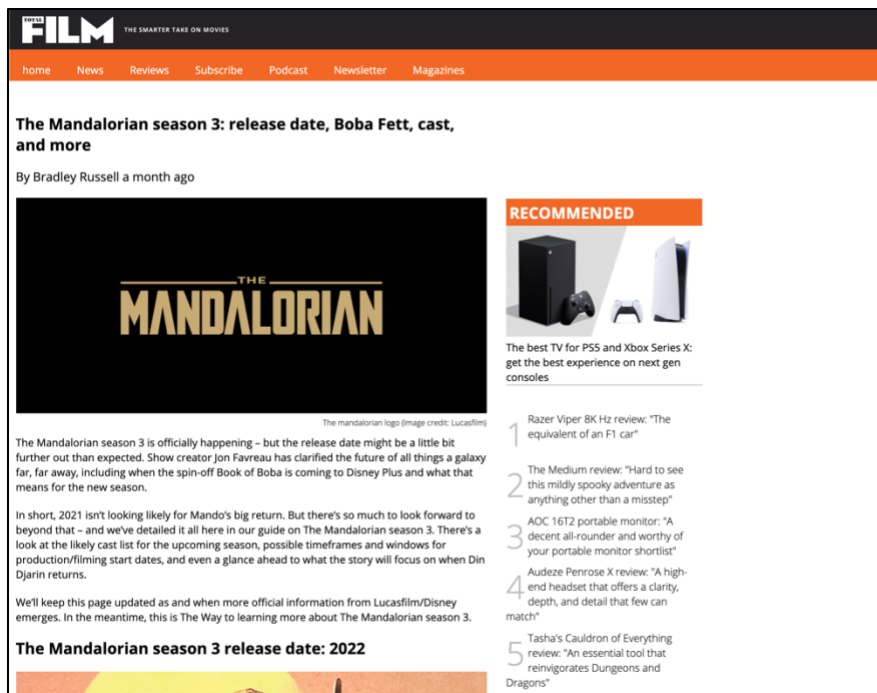


Figure 2b: Semantic HTML

- 1 Place all the elements in the correct semantic HTML elements.

1  
pts

Tip! By using the correct semantic HTML elements the stylesheet will be applied leading to the same layout as above.

## 2 CSS Selectors

1  
pts

Edit the “style.css”file to create the same layout as in the image below.

- The **colour codes** can be found in the CSS file.
- **Watch** the provided **video** for more info.
- You are **not allowed** to make any changes to the HTML!

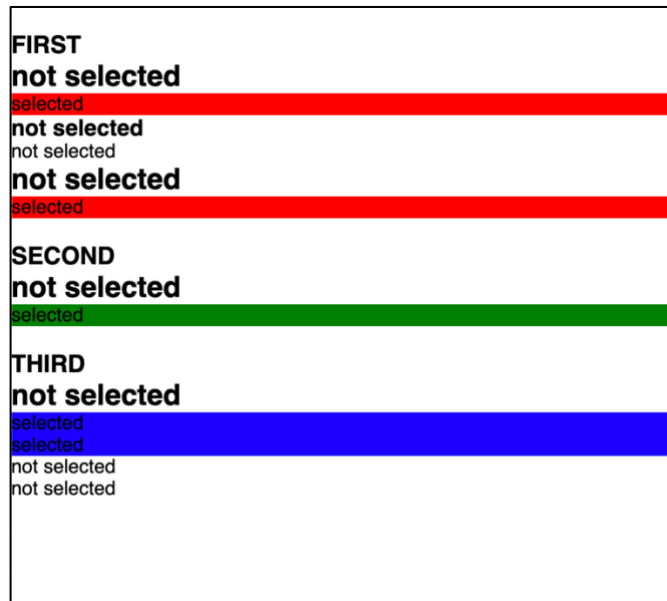


Figure 2: CSS Selectors.

- 1 Use 1 selector to add a red background colour to each `<p>` element placed immediately after an `<h2>` element within the `<section>` element with the class “*first*”.
- 2 Use 1 selector to add a green background colour to each `<p>` element within the 2<sup>nd</sup> `<section>` element.
- 3 Use 1 selector to add a blue background colour to the each `<p>` element that is a direct descendant of the `<section>` element with the class “*third*”.

0.3  
pts

0.3  
pts

0.4  
pts

### 3 Display & Google Fonts

1.5  
pts

Edit the “*style.css*” file to create the same layout as in the image below.

- **Watch** the provided **video** for more info.
- You are **not allowed** to make any changes to the HTML!

10	body	#1
13	header	#2
15	└ nav	#2.1

Figure 3a: Document Outline.

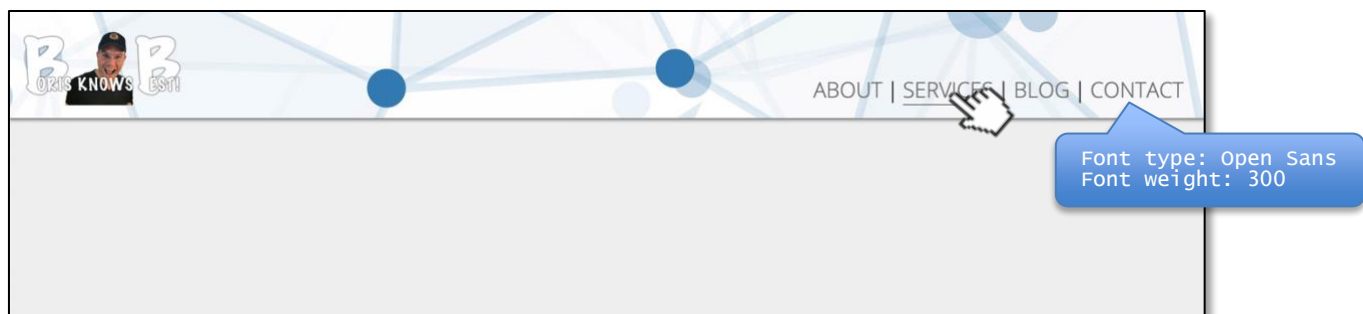


Figure 3b: Final result assignment 3.

- |   |   |            |
|---|---|------------|
| 1 | Import the google font only importing the used font weight and use the font for styling all text within the <code>&lt;body&gt;</code> element.  | 0.5<br>pts |
| 2 | Align the <code>&lt;li&gt;</code> elements next to each other. This also removes the dots in front of the <code>&lt;li&gt;</code> elements and places them in the right bottom of the <code>&lt;nav&gt;</code> element. | 0.5<br>pts |
| 3 | When hovering over an <code>&lt;a&gt;</code> element add a border to the bottom of the element. The properties for the border are: width: 1pixels, style:solid, color: #666.  | 0.5<br>pts |

## 4 Position & Background Image

1.5  
pts

Edit the “style.css” file to create the same layout as the picture below.

- **Watch** the provided **video** for more info.
- You are **not allowed** to make any changes to the HTML!

10	body	#1
13	header	#2
14	└ nav	#2.1
20	main	#3
22	└ article	#3.1
26	└ UNDERSTANDING THE DIFFERENCE BETWEEN MOBILE-FIRST, ADAPTIVE AND RESPONSIVE DESIGN	#3.2
36	└ WHAT IS RESPONSIVE DESIGN?	#3.3

Figure 4a: Document Outline.

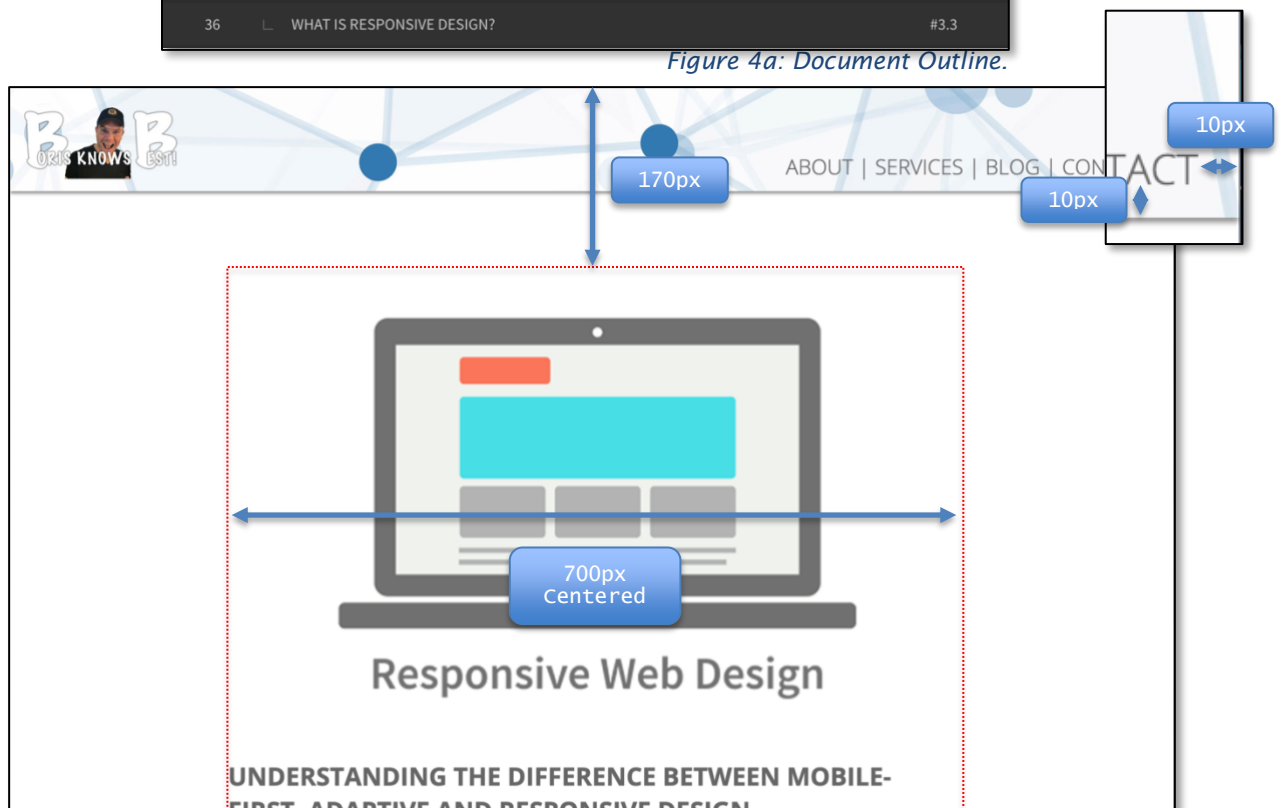


Figure 4b: Final result assignment 4.

- 1 Set the image “imgs/header.jpg” as a background image to the `<header>` element and add the correct CSS properties to the background image to make it look the same as in Figure 4b.
- 2 Use the CSS “*position*” property to position the `<header>` element to a fixed position in the top of browser window.
- 3 Use the CSS “*position*” property to position the `<nav>` element to the right bottom of the `<header>` element.
- 4 Use the CSS “*position*” property to position the `<main>` element underneath (not behind) the `<header>` element and centre it using the “*margin*” property.

0.3  
pts

0.4  
pts

0.4  
pts

0.4  
pts

## 5 Margin and Padding

1  
pts

Edit the “style.css” file to create the same layout as the pictures below.

- **Watch** the provided **video** for more info.
- You are **not allowed** to make any changes to the HTML!

10	body	#1
13	header	#2
14	└ nav	#2.1
20	main	#3
22	└ article	#3.1
26	└ UNDERSTANDING THE DIFFERENCE BETWEEN MOBILE-FIRST, ADAPTIVE AND RESPONSIVE DESIGN	#3.2
36	└ WHAT IS RESPONSIVE DESIGN?	#3.3

Figure 5a: Document outline.

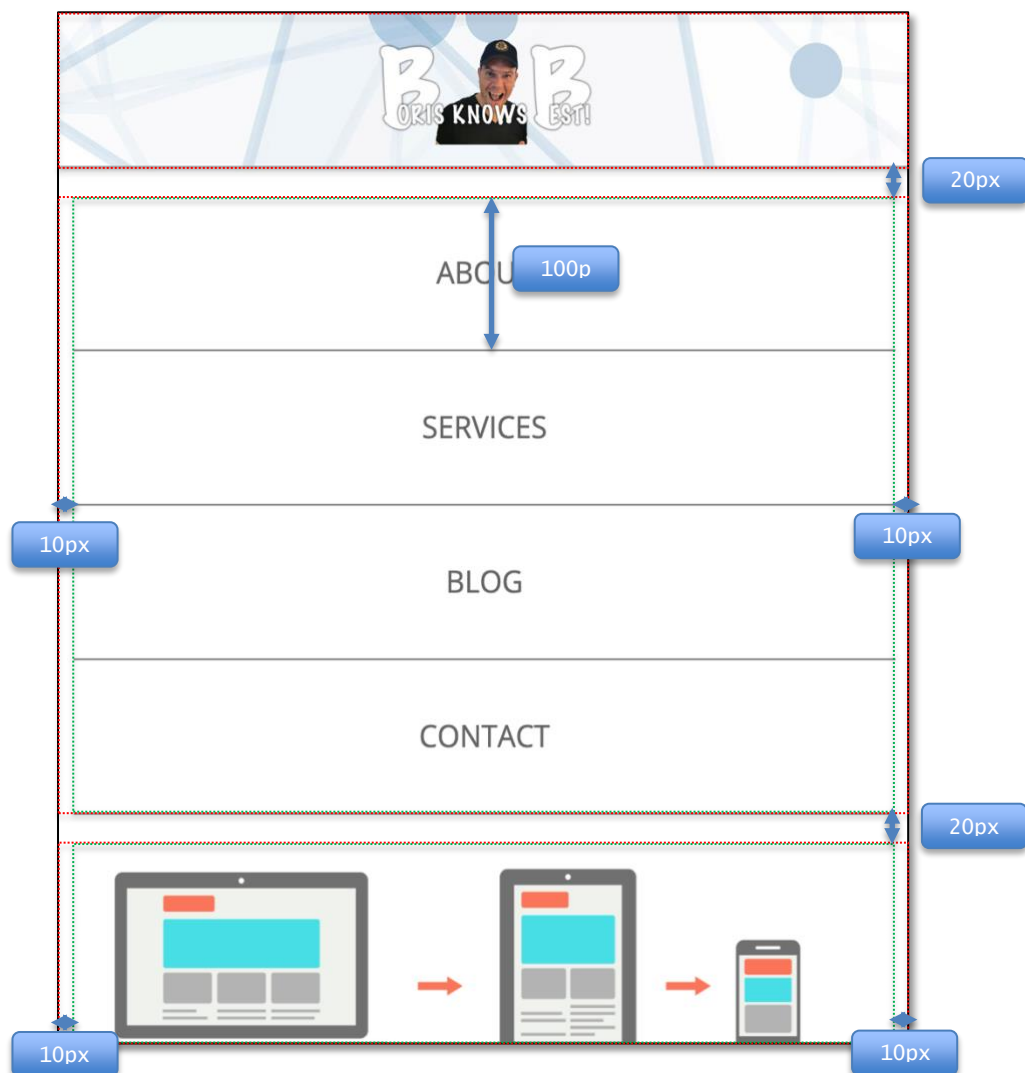


Figure 5b: Final result assignment 5.

- |     |  |            |
|-----|--|------------|
| 5.1 | Centre the text in the <code>&lt;li&gt;</code> elements vertically and horizontally. You are <b>not</b> allowed to use padding for this. | 0.5<br>pts |
| 5.2 | Add the margins and/or paddings to the elements as shown in Figure 5b.   | 0.5<br>pts |



## Assignment 6: Media Queries

1  
pts

Edit the “style.css” file to create the same layout as the pictures below.

- The background colours are in the CSS files.
- **Watch** the provided **video** for more info.
- You are **not allowed** to make any changes to the HTML!

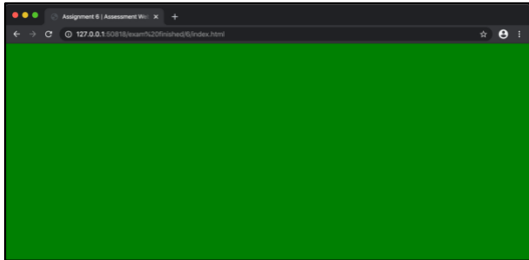


Figure 6a: Larger than or equal to 960 pixels.

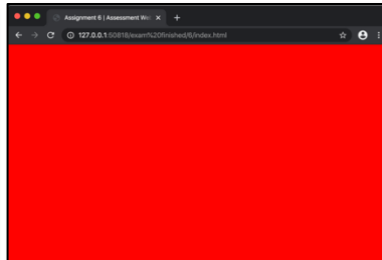


Figure 6b: Larger than or equal to 720 pixels and smaller than 960 pixels.

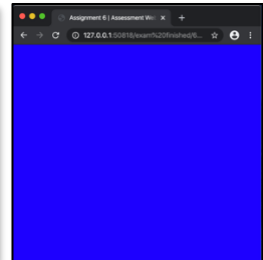


Figure 6c: Smaller than 720 pixels.

For the following assignment there are 4 stylesheets available in the folder “css”: “style.css”, “style-small.css”, “style-medium.css”, “style-large.css”.

- |     |   |            |
|-----|---|------------|
| 6.1 | Import the stylesheet “style/style-small.css” for small devices (phones) with a maximum screen width 719px.   | 0.4<br>pts |
| 6.2 | Import the stylesheet “style/style-medium.css” for medium devices (tablets) with a minimum screen width of 720 pixels and a maximum screen width of 959 pixels. | 0.4<br>pts |
| 6.3 | Import the stylesheet “style/style-large.css” for large devices (desktops and laptops) with a minimum screen width of 960 pixels.                               | 0.2<br>pts |

## Assignment 7: Display Flex

1  
pts

Edit the “style.css” file to create the same layout as the pictures below.

- **Watch** the provided **video** for more info.
- You are **not allowed** to make any changes to the HTML.

10	body	#1
13	header	#2
15	└ nav	#2.1
22	main	#3
23	└ article	#3.1
26	└ UNDERSTANDING THE DIFFERENCE BETWEEN MOBILE-FIRST, ADAPTIVE AND RESPONSIVE DESIGN	#3.2
36	└ WHAT IS RESPONSIVE DESIGN?	#3.3
58	└ aside	#3.4
60	└ nav webinars	#3.4.1
64	└ nav categories	#3.4.2
66	└ CATEGORIES	#3.4.3
77	└ nav recent articles	#3.4.4
79	└ RECENT ARTICLES	#3.4.5

Figure 7a: Document outlines.

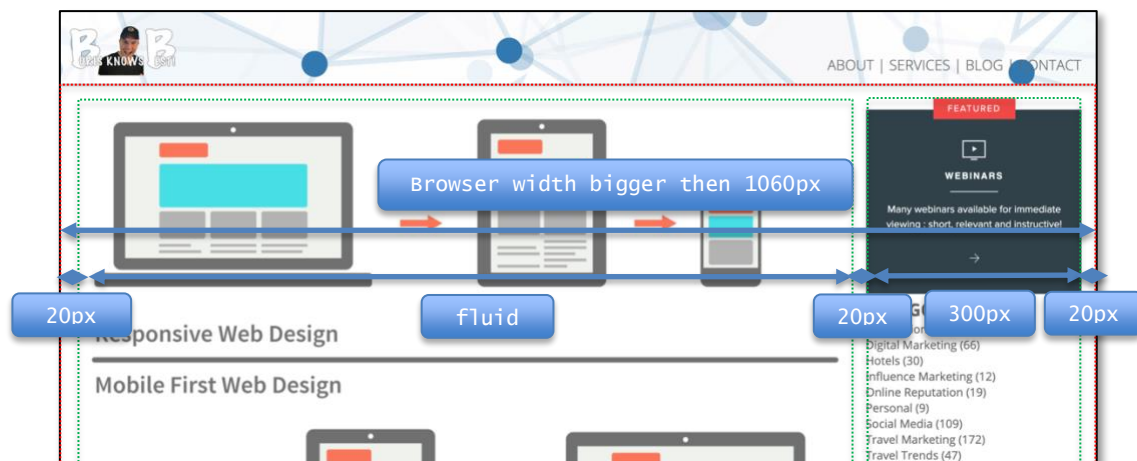


Figure 7b: Final result assignment 7, browser width smaller than 1060 pixels.

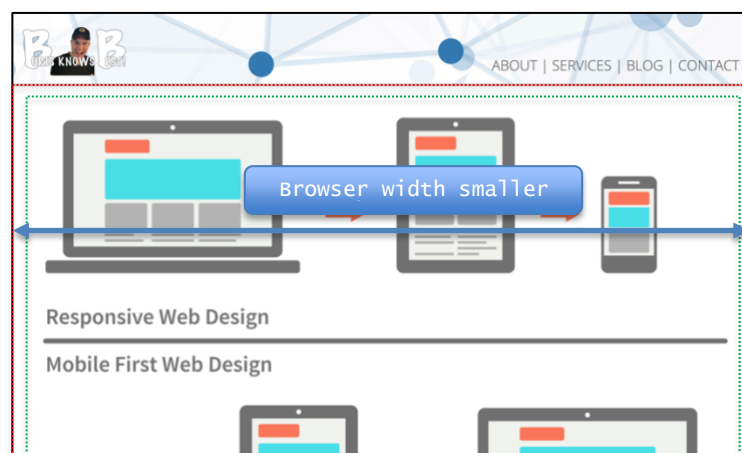


Figure 7c: Final result assignment 7, browser width smaller than 1060 pixels.

In the following sub-assignments, you are **only allowed** to use **flex** properties for aligning and resizing the elements.

5.1	Align all the elements in the body next to each other using flex.	
5.2	Align the <code>&lt;header&gt;</code> element in the top of the <code>&lt;body&gt;</code> element above the <code>&lt;main&gt;</code> and the <code>&lt;aside&gt;</code> element.  <b>Tip</b> The <code>&lt;header&gt;</code> element will push the <code>&lt;main&gt;</code> and <code>&lt;aside&gt;</code> element to the next row.	0.5 pts
5.3	Set the <code>&lt;main&gt;</code> element to have a default width of 700 pixels and to resize according to the width of the browser window. Set the <code>&lt;aside&gt;</code> element to have a default width of 300 pixels and <b>not</b> to resize according to the width of the browser window.  <b>Tip</b> When the browser window gets smaller than 1060px the <code>&lt;main&gt;</code> element will push the <code>&lt;aside&gt;</code> element to the next row.	0.5 pts

## Assignment 8: Lab Assignment

2  
pts

Please put your finished lab assignment in the folder “8\_Lab\_assignment”.