

Topic	Practical Assignment 1 Cover Sheet
Assignment Type	<input checked="" type="checkbox"/> Assessed <input type="checkbox"/> Non-assessed <input checked="" type="checkbox"/> Individual <input type="checkbox"/> Group
Module	CSE110 Computer Systems
Due Date	Wednesday April 11 th , 2018 (5pm)
Student ID	1719247
Student Name	Christopher Champion
Submission Date	Wednesday April 11 th , 2018

Declaration on Plagiarism and Collusion

I have read and understood the definitions of plagiarism and collusions as described in the University's Code of Practice on Assessment. As such, I certify the work presented in this report/assignment has been written solely by me and in my own words (except where references and acknowledgments are clearly defined). I agree to accept disciplinary actions should I be caught with the serious offence of plagiarism and/or collusion.

Signature: 

For Academic Use	Date Received	No. of Days Late	Penalty

Table of Contents

1	Introduction.....	3
1.1	“Creating your own Web Page”.....	3
1.2	Project Goals.....	3
2	Requirements.....	3
2.1	Website Requirements	3
2.2	Submission Requirements	5
3	Planning	6
3.1	Resources	6
3.2	Page Content.....	6
3.3	Page Layout.....	6
4	Implementation	10
4.1	Hypertext Markup Language (HTML)	10
4.1.1	Header & Navigation.....	10
4.1.2	Main Node.....	10
4.1.3	“About” Section Node.....	11
4.1.4	“Education” Section Node.....	12
4.1.5	“Language” Section Node.....	12
4.1.6	“Work” Section Node.....	12
4.1.7	“Travel” Section Node.....	13
4.1.8	Footer.....	13
4.2	Cascading Style Sheets (CSS).....	14
4.2.1	Body	14
4.2.2	Navigation	14
4.2.3	Main.....	14
4.2.4	About Section.....	15
4.2.5	Education Section.....	15
4.2.6	Language Section.....	15
4.2.7	Work Section	16
4.2.8	Travel Section	16
5	W3 Validator Results.....	17
6	Screenshots	18
7	Source Code	20
7.1	1719247_index.html.....	20
7.2	1719247_style.css	24

1 Introduction

1.1 “Creating your own Web Page”

CSE 110 Assignment 1 concerns the creation of a student website/homepage using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). The layout and content of the page are to be determined by the student. A set of minimum page requirements (e.g. inclusion of a menu for page navigation, inclusion of at least five hyperlinks) has been provided.

1.2 Project Goals

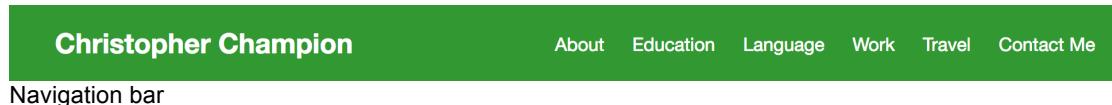
- Apply HTML and CSS to create my own homepage that adheres to project requirements.
- Incorporate elements of curriculum vitae and personal interests, e.g. travelling.
- Apply theory learned in CSE 110 lectures to practical application.

2 Requirements

2.1 Website Requirements

1. Have your name prominently centered at the top.

My name is included in the navigation bar at the top of the page and vertically. It is aligned to the left side of the navigation bar for aesthetic reasons.



Navigation bar

2. Have several sections (e.g., Personal Information, Hobbies, Favorite Links), each with its own heading. At least one section must have multiple paragraphs in it.

The main content of my page is divided into the following five sections using the `<section>` tag:

- About
- Education
- Language
- Work
- Travel

3. Your page must be divided into two distinct parts, one containing your personal information and another being a menu of links. The menu should include internal links (that jump to locations within the personal information page) and external links (that load related pages).

- The page is divided into two parts with both internal and external links:

Part 1 Navigation:

Christopher Champion	About	Education	Language	Work	Travel	Contact Me
-----------------------------	-------	-----------	----------	------	--------	-------------------

Blue Internal links (left-to-right): 1719247_index.html, #gotoAbout, #gotoEducation, #gotoLanguage, #gotoWork, #gotoTravel

Red External link: <mailto:C.Champion17@student.xjtu.edu.cn>

Part 2 Body:

Hello, I'm Chris, a computer science student at [XJTLU](#) in Suzhou, Jiangsu, China.

About

I grew up in the state of Michigan and moved to China in 2017. Before moving to China, I lived in Aachen, Germany for six years. I've had an interest in [computer science](#) and technology from a young age and began a formal education in software development at AixpertSoft GmbH and BWV Aachen in 2013. After I completed my [Ausbildung](#), I worked for a consulting company as a junior specialist implementing [ServiceNow](#) [ERP](#) solutions.

I currently live in Suzhou and attend XJTLU, a Sino-British partnership university between [Xi'an Jiatong University](#) and the [University of Liverpool](#). My interests include expanding and improving upon my software development skills, traveling, film and music, language and culture, trying new food, and meeting new people. Luckily, moving to Suzhou and joining XJTLU has allowed me to pursue all of those interests!

Contains external links to: XJTLU, XJTLU CSSE Department, ServiceNow, XJTU, University of Liverpool

- Should perform some text formatting (bold, italics, color) but try not to overdo it to the point that the content is compromised.
 - Text formatting is included in HTML using the `` and `<i>` tags, using the inline CSS style attribute, and in my externally linked CSS style sheet.
- Should have at least one list (e.g. your top-ten favorite films).
 - An unordered list `` was used for the navigation bar links.
 - A description list `<dt>` was used in the language section of the body.

English:

Native speaker

German:

Fluent - DSH and TestDaF Certified

French:

Basic (A2) - Studied at Salem High School, Washtenaw Community College, Eastern Michigan University

Mandarin:

Beginner - Studying at XJTLU

Description list <dl> with description terms <dt>, <dd> in the page's language section.

6. Should be at least 5 links in the page, including a link to XJTLU, the University of Liverpool and to the Department of Computer Science. At least one of those links must occur in a sentence.
 - Navigation bar: 6 internal links, 1 external link
 - About section: 5 external links (including XJTLU, University of Liverpool, Department of Computer Science)
 - Work section: 4 external links
 - Footer: 1 external link
7. Should contain at least 3 images; one of them must be stored locally along with the Web page.
 - Page displays six JPEG images, stored locally in the project /images folder.
8. Have at least one table, with a minimum of 4 rows and 4 columns.
 - Work section contains a 5x4 table
9. Make use of a style sheet that defines basic formatting style, including the format of tables. The style sheet should be defined in a separate file and linked to your page.
 - External style sheet “style.css” is linked in the HTMLs <head>.

2.2 Submission Requirements

1. Use HTML5 code to create your web page; you are not allowed to use a tool such as Dreamweaver. You must produce a copy of your source code, including the style sheet code.
 - My page was created using HTML5; specified with the <!DOCTYPE html> declaration on line 1 of “1719247_index.html”. Source code is in **section 7** of this document. The code was written using the Visual Studio Code IDE. Tools, such as Dreamweaver, were not used.
2. Produce appropriate annotated screenshots of your page (best in color); these must be annotated.

- Annotated screenshots are provided throughout this document.
3. Put your web page online, and sent me the link via email (the subject of the email should be 'CSE110 assignment 1, your student id'). You should also include the link in your report.
- Link: <http://10.7.1.126/student/C.Champion17/myweb/>
4. Run your page through the HTML validator (checks for compliance) and submit the results in your report; <http://validator.w3.org/>
- W3 Validator initially found some minor errors in the HTML code that have since been corrected. No remaining errors (see **section 5** screenshot).

3 Planning

3.1 Resources

The following resources were used to realize the completion of this project:

- **O/S:** macOS High Sierra 10.13.4
- **IDE:** Visual Studio Code 1.22.1
- **Markup Validation Service:** W3 Validator
- **Hosting:** XJTLU Web Server
- **Testing:** Safari 11.1, Chrome 65.0
- **Documentation:** Microsoft Word for Mac 2011, Grab 1.10 (screenshots)

3.2 Page Content

Based on the project's requirements, I planned to make a single-page website about me. The page's navigation style was chosen to allow for linking additional pages in the future. Since this is my first website and I am the subject matter, I chose to include information from my resume and wanted to include pictures from some of my travels.

In order to have a clearer vision of how the page should look and how to translate that into HTML and CSS, I first sketched a rough draft of the page's content.

3.3 Page Layout

After determining the necessary resources and the page's content, a draft of the page layout was used to assist in practically implementing the page design.

- on >
 title> </title>
 link> CSS </link>
 r >
 on >
 About me, Education,
 Professional XP, Gallery
 nav >
 n1> My Name </h1>
 der >
 > About Me
 i><p> Info </p></div>
 on >
 on > Education
 HS, WCC, ENU,
 BWV Aachen, XJTLU
 on >
 on > Professional Background.
 WR, C&D
 AirportSoft, CoCo
 section >
 on > Gallery
 <table>
 </table>
 section >
 >
 Copyright © 2018
 'mailto:@xjtlu'
 er >
 >
 >

About Me Education Prof.XP Gallery

Christopher Chempion's
"Lebenslauf"

| Lebenslauf |

About Me



Lorem ipsum ...
Student at XJTLU

Education

Salem HS	WCC	EMU	BWV Aachen	XJTLU
2000-2004	2008	- 2010	2013-2016	2017-Present

Lorem ipsum ...
Area of Specialization / Qualification Awarded

graph

Spoken Languages

Native	Fluent	Basic	Beginner
Chinese	English	French	German

table

Professional Experience

June 2016 - April 2017	Junior specialist at CCKT GmbH
August 2013 - June 2016	Ausbildender at AirportSoft GmbH
September '08 - August 2013	Product Dev. and QA at Car and Driver Magazine
December '06 - August 2008	Data Entry and Prod. Ass't at Winding Road Magazine

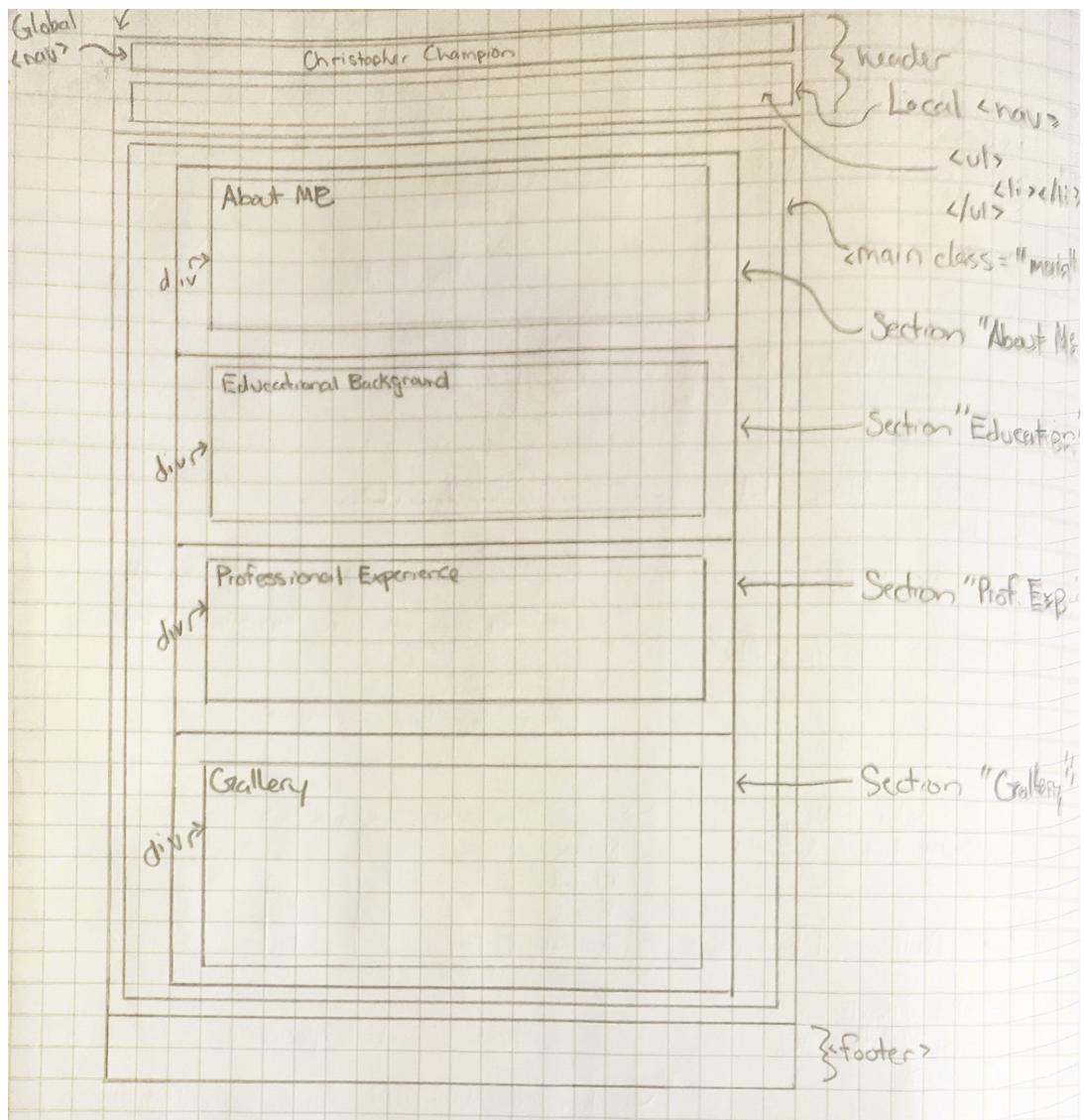
Gallermy

img

click to scroll

Footer

Email me @ mailto:" "Copyright © 2018 Christopher Chempion



Page Layout Draft 2

```
<html>  
  <head> ... </head>  
  <body>  
    <nav id="global"> </nav>  
    <nav id="local"> </nav>  
    <main class="main">  
      <section class="about-me">  
        <div class="section-content">  
          <h2 class="section-title">About Me </h2>  
        </div>  
      </section>  
      <section class="educational-background">  
        <div class="section-content">  
          <h2 class="section-title">Edu. Background </h2>  
        </div>  
      </section>  
      <section class="professional-experience">  
        <div class="section-content">  
          <h2 class="section-title">Professional Exp. </h2>  
        </div>  
      </section>  
      <section class="gallery">  
        <div class="section-content">  
          <h2 class="section-title">Gallery </h2>  
        </div>  
      </section>  
    </main>  
    <footer>...</footer>  
  </body>  
</html>
```

Page Layout Draft 3

4 Implementation

4.1 Hypertext Markup Language (HTML)

The “1719247_index.html” file contains the page’s html code and consists of the following main components:

- <!DOCTYPE html> : Document type declaration (HTML5)
- <html lang=”en”> : html tag with language attribute (English)
- <head> : head tag which contains page <title> tag and <link> tag for external style sheet “style.css”
- <body> : body tag contains the page’s main content

The following sections further explore the page’s main contents in the <body> tag.

4.1.1 Header & Navigation

The <header> node is a child node of the <body> element node. It has it’s own child node <nav>, which defines the page’s navigation bar. The <nav> node contains an <h1> element, for displaying the website name in the navigation bar. It also contains an unordered list node for displaying the navigation bar’s list elements.



4.1.2 Main Node

The next direct child of the <body> element node is the <main> node. The main node contains the majority of the viewable content of the page, which is split into five sections, each with it’s own “id” attribute and <h2> section heading. Sections are broken up thematically with the <hr> tag.



Hello, I'm Chris, a computer science student at XJTLU in Suzhou, Jiangsu, China.

About

I grew up in the state of Michigan and moved to China in 2017. Before moving to China, I lived in Aachen, Germany for six years. I've had an interest in computer science and technology from a young age and began a formal education in software development at AixpertSoft GmbH and BWV Aachen in 2013. After I completed my *Ausbildung*, I worked for a consulting company as a junior specialist implementing ServiceNow ERP solutions.

I currently live in Suzhou and attend XJTLU, a Sino-British partnership university between Xi'an Jiatong University and the University of Liverpool. My interests include expanding and improving upon my software development skills, traveling, film and music, language and culture, trying new food, and meeting new people. Luckily, moving to Suzhou and joining XJTLU has allowed me to pursue all of those interests!

Education

- Salem High School
- Washtenaw Community College
- Eastern Michigan University
- BWV Aachen
- XJTLU

The <main> element node

4.1.3 “About” Section Node

The “About” section is split between two <div> containers, each of which containing a paragraph <p> element. The <i> text formatting element and inline styling with the “style” attribute are used to highlight foreign text and denote a definition in the words “title” text.

About

I grew up in the state of Michigan and moved to China in 2017. Before moving to China, I lived in Aachen, Germany for six years. I've had an interest in computer science and technology from a young age and began a formal education in software development at AixpertSoft GmbH and BWV Aachen in 2013. After I completed my *Ausbildung*, I worked for a consulting company as a junior specialist implementing ServiceNow ERP solutions.

I currently live in Suzhou and attend XJTLU, a Sino-British partnership university between Xi'an Jiatong University and the University of Liverpool. My interests include expanding and improving upon my software development skills, traveling, film and music, language and culture, trying new food, and meeting new people. Luckily, moving to Suzhou and joining XJTLU has allowed me to pursue all of those interests!

About section left container <div>

development at ~~Hyperion~~ Gmbh and BWV Aachen in 2013. After I completed my Ausbildung, I worked for a consulting company as a junior specialist and joined implementing ~~An Ausbildung in the German education system is a form of vocational training or apprenticeship where a student attends a technical college and works simultaneously. The student gains both theoretical and practical knowledge at the same time.~~

About section “title” attribute text

4.1.4 “Education” Section Node

The Education is made up of its `<h2>` heading and a `<div>` container class called `.square-container`. The container class holds five instances of the `.square` class and another `<div>` for each square’s related text. The `` tag is also applied here.

Education



Eastern Michigan University

Attended: 2009-2010
Major: French Studies, Literature & Composition

Education section with `` text.

4.1.5 “Language” Section Node

This section contains a bar diagram, explained in more detail in section 4.2.6 of this document. It also employs the use of a description list `<dl>` to display relevant text data.

English:

Native speaker

German:

Fluent - DSH and TestDaF Certified

French:

Basic (A2) - Studied at Salem High School,
Eastern Michigan University

Mandarin:

Beginner - Studying at XJTLU

Language section description list: includes description terms (`<dt>` tag), e.g. “English:”, and description data (`<dd>` tag), e.g. “Native speaker”.

4.1.6 “Work” Section Node

The “Work” section contains a `<table>` of five rows and four columns (5x4). The table header row, i.e. the first `<tr>` tag, is defined in the table header using the `<thead>`

tag. The remaining table rows each contain four <td> tags to store table cell data. The <i> tag is used for text formatting in the position column. The company column contains external links to each company's respective homepage.

Work			
From	To	Position	Company
June 2016	April 2017	<i>Juniorspezialist ("Junior Specialist")</i>	ComConsult Kommunikationstechnik GmbH
August 2013	June 2016	<i>Auszubildender ("Apprentice")</i>	AixpertSoft GmbH
September 2008	August 2013	<i>Product Development & QA</i>	Car and Driver Magazine
December 2006	August 2008	<i>Data Entry and Production Assistant</i>	Winding Road Magazine

Work section .cv-table

4.1.7 “Travel” Section Node

Five instances of <div class="gallery"> are used to contain the images in this section. Each .gallery container is the parent node to an anchor (<a>) element and a container (<div class="desc">) for storing the anchor image's text description.

The anchor's “href” attribute value is set to the local path of an image stored in the project's /images folder. This is used for the purpose of hyperlinking. Before the anchor tag is closed, an element with a “src” attribute value of the same image path is used to display the image. Before closing the image tag (followed by the anchor tag), alternate text is provided in case the image cannot be found.

```
▼<div class="gallery">
  ▼<a target="_blank" href="images/berlin.jpg">
    
  </a>
  <div class="desc">Alexanderplatz, Berlin</div>
</div>
```

.gallery class HTML

4.1.8 Footer

The <footer> element is the third and last direct child node of the <body> element node. It sits at the bottom of the page and contains an external “mailto” link and copyright text.

footer | 1032 × 60

Email me at C.Champion17@student.xjtu.edu.cn
Copyright © 2018 Christopher Champion

Page footer

4.2 Cascading Style Sheets (CSS)

Excluding a few instances of applying inline styling within the page's HTML, the externally linked "style.css" style sheet handles the majority of page styling. The linked style sheet is divided into several sections to provide a clear overview of how the layout of corresponding HTML elements are affected.

4.2.1 Body

The <body> element is selected and given a margin and padding value of zero. Its position is specified as "relative" to the page and a font style for the entire page is declared. The default text decoration for hyperlinks is overridden.

```
body a:link {  
     text-decoration: none;  
}
```

style.css:8

⋮

Pseudo class :link for all <a> hyperlink elements in the body are selected. The default "text-decoration" property value is overridden with the new value of "none".

4.2.2 Navigation

The <nav> element and its child node elements are given style values. The background color and font color are specified and the navigation bar is set to span the entire width of the page body. Individual list items are selected and assigned the display value "inline-block" to display in a row from left-to-right.

```
nav ul li {  
     display: inline-block;  
     margin-left: 10px;  
     margin-right: 10px;  
}
```

style.css:29

⋮

CSS declarations for list items in the navigation bar

4.2.3 Main

The <main> element is given left and right margin values (see screenshot in section 4.1.2) so that page content does not take up the full width of the browser window. Sections are positioned relative to the page and their headings are horizontally aligned using the "text-align" property. The portrait JPEG image is centered horizontally using the "display" and "margin" properties.

```
#portrait { style.css:53
  ✓ display: block;
  ✓ margin: auto;
  ✓ height: 250px;
  ✓ border-radius: 10%;
}
```

CSS declarations for JPEG image with id="portrait". The "border-radius" property applies rounded edges.

4.2.4 About Section

The <section id="about"> is selected and style is applied to its two inner div containers: <div class="left-container"> and <div class="right-container">. Both containers are given a width of 45% of their parent container and additional margin space (see "About section" screenshot in section 4.1.2).

4.2.5 Education Section

The <section id="education"> section contains a row of five squares, each with corresponding hover text. The <div> class ".square" was created and given a display value of "table-cell" in order to make it behave as a <td> element would in a table. Selectors >, ~, and :not(selector) were used to display and hide <p> text according to mouse hover over.

```
#education #edu-text > p:not(#salem-text) { style.css:120
  ✓ display: none;
}
```

In <section id="education">, select every <p> element that does not have id="salem-text", where <p> is a child of <div id="edu-text">, and hide its elements.

```
/* DEFAULT: Display #salem-text */
#education #salem:hover ~ #edu-text > #salem-text {display: block;}
```

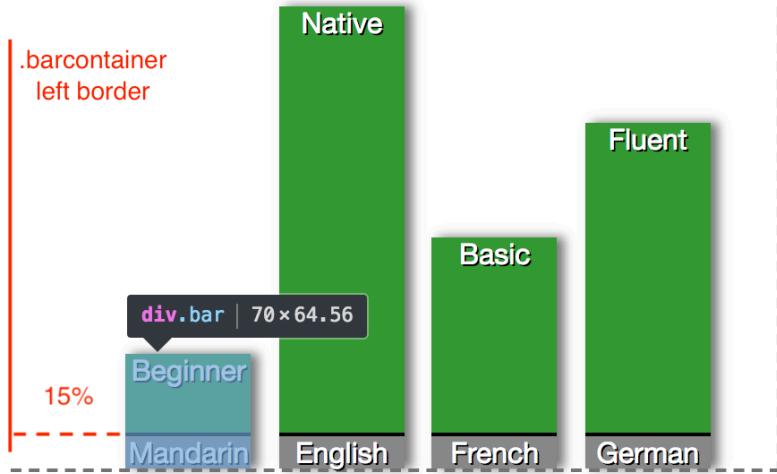
In <section id="education">, following hover over of <div class="square" id="salem">, select #edu-text child #salem-text and display its elements.

4.2.6 Language Section

The "Language" section contains a bar diagram for which three classes were created. The ".barcontainer" class is contains ".bar" and ".barlabel" elements and is assigned width and height properties in CSS. Its children are positioned relative to the parent .barcontainer. The :nth-child(n) selector is used to position the four bars within the .barcontainer.

```
.bar:nth-child(1) { style.css:173
  left: 15%;
}
```

The nth-child selector with the first .bar child selected



4.2.7 Work Section

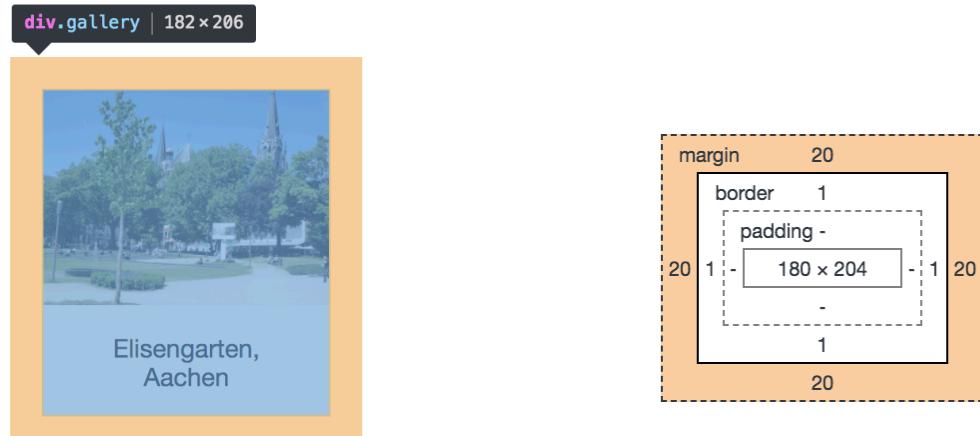
Here styling is applied to the “Work” section’s table entity. On hover over, table rows are given a background color of green (#339933) to tie in the page’s navigation bar and footer.

From	To	Position	Company
June 2016	April 2017	<i>Juniorspezialist ("Junior Specialist")</i>	ComConsult Kommunikationstechnik GmbH
August 2013	June 2016	<i>Auszubildender ("Apprentice")</i>	AixpertSoft GmbH

Table background-color property set on tr:hover.

4.2.8 Travel Section

Images in the gallery section nested inside `<div class="gallery">` containers. CSS was used to give each container a margin of 20px and border styling. The .desc class is used to contain supplementary text for each gallery image.



Gallery image with a margin of 20px = `.gallery {margin: 20px;}`

5 W3 Validator Results

W3 Validator initially found some minor errors in the HTML code that have since been corrected.

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 16 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 18.4.6

6 Screenshots

The screenshot shows the homepage of a website titled "Welcome to Chris's Page". The header is green with the title "Christopher Champion" and navigation links for About, Education, Language, Work, Travel, and Contact Me. Below the header is a large portrait photo of a man with short brown hair and a beard, smiling. A caption below the photo reads: "Hello, I'm Chris, a computer science student at XJTLU in Suzhou, Jiangsu, China." The main content area has a section titled "About" with two columns of text. The left column describes Chris's background from Michigan to China, mentioning his work at AixpertSoft GmbH and BWV Aachen. The right column describes his current life in Suzhou at XJTLU, mentioning Xi'an Jiaotong University and the University of Liverpool.

Screenshot 1/4

The screenshot shows two sections of the website. The "Education" section features a horizontal row of five dark grey rectangular buttons with white text: "Salem High School", "Washtenaw Community College", "Eastern Michigan University", "BWV Aachen", and "XJTLU". Below this, a box contains information about Salem High School: "Salem High School", "Attended: 2000-2004", and "Degree: High School Diploma". The "Language" section contains a bar chart comparing four languages: Mandarin, English, French, and German. The y-axis has three levels: Beginner (Mandarin), Basic (French), Native (English), and Fluent (German). A legend at the bottom identifies the colors: light blue for Mandarin, light orange for English, light green for French, and light red for German.

Screenshot 2/4

Welcome to Chris's Page Christopher

file:///Users/christopher/Documents/XJTLU/Year%202/Semester2/CSE110_Human%20Centric%20Computing/Assignments/Assignment1/index.html

Christopher Champion

About Education Language Work Travel Contact Me

English:
Native speaker

German:
Fluent - DSH and TestDaF Certified

French:
Basic (A2) - Studied at Salem High School, Washtenaw Community College, Eastern Michigan University

Mandarin:
Beginner - Studying at XJTLU

Work

From	To	Position	Company
June 2016	April 2017	Juniorspezialist ("Junior Specialist")	ComConsult Kommunikationstechnik GmbH
August 2013	June 2016	Auszubildender ("Apprentice")	AixpertSoft GmbH
September 2008	August 2013	Product Development & QA	Car and Driver Magazine
December 2006	August 2008	Data Entry and Production Assistant	Winding Road Magazine

Favorite Cities

Screenshot 3/4

Welcome to Chris's Page Christopher

file:///Users/christopher/Documents/XJTLU/Year%202/Semester2/CSE110_Human%20Centric%20Computing/Assignments/Assignment1/index.html

Christopher Champion

About Education Language Work Travel Contact Me



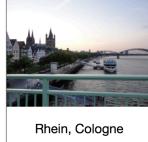
Alexanderplatz,
Berlin



Eiffel Tower, Paris



Elisengarten,
Aachen



Rhein, Cologne



Changmen Gate,
Suzhou

Email me at C.Champion17@student.xjtu.edu.cn
Copyright © 2018 Christopher Champion

Screenshot 4/4

7 Source Code

The source code for this project's HTML and CSS files is listed below.

7.1 1719247_index.html

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

<head>
  <meta charset="utf-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <title>Welcome to Chris's Page</title>
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <link rel="stylesheet" type="text/css" media="screen" href="1719247_style.css" />
  <script src="main.js"></script>
</head>

<body>

  <header>
    <nav>
      <h1 id="index">
        <a href="1719247_index.html">Christopher Champion</a>
      </h1>
      <ul>
        <li id="links">
          <a href="#gotoAbout">About</a>
        </li>
        <li>
          <a href="#gotoEducation">Education</a>
        </li>
        <li>
          <a href="#gotoLanguage">Language</a>
        </li>
        <li>
          <a href="#gotoWork">Work</a>
        </li>
        <li>
          <a href="#gotoTravel">Travel</a>
        </li>
        <li>
          <a href="mailto:C.Champion17@student.xjtu.edu.cn">Contact Me</a>
        </li>
      </ul>
    </nav>
  </header>

  <main>
    
    <p style="text-align: center">Hello, I'm Chris, a computer science  

      <br>student at  

      <a target="_blank" href="http://www.xjtu.edu.cn">XJTLU</a> in Suzhou, Jiangsu, China.</p>
    <hr id="gotoAbout">

    <!-- ABOUT SECTION -->
    <section id="about">
      <h2>About</h2>
      <div id="about-wrapper">
        <div class="left-container">
          <p style="text-indent: 10%">I grew up in the state of Michigan and moved to China in 2017.  

          Before moving to China, I lived in Aachen,  

            Germany for six years. I've had an interest in
        </div>
      </div>
    </section>
  </main>

```

computer science and technology from a young age and began a formal education in software development at AixpertSoft GmbH and BWV Aachen in 2013. After I completed my <i style="border-bottom: 1px dotted black" title="An Ausbildung in the German education system is a form of vocational training or apprenticeship where a student attends a technical college and works simultaneously. The student gains both theoretical and practical knowledge at the same time.">Ausbildung</i>, I worked for a consulting company as a junior specialist implementing ServiceNow ERP solutions.

</p>

</div>

<div class="right-container">

<p style="text-indent: 10%">I currently live in Suzhou and attend XJTLU, a Sino-British partnership university between Xi'an Jiatong University and the University of Liverpool. My interests include expanding and improving upon my software development skills, traveling, film and music, language and culture, trying new food, and meeting new people.

Luckily, moving to Suzhou and joining XJTLU has allowed me to pursue all of those interests!

</p>

</div>

</div>

</section>

<hr id="gotoEducation">

<!-- EDUCATION SECTION -->

<section id="education">

<h2>Education</h2>

<div class="square-container">

<div class="square" id="salem">

Salem High School

</div>

<div class="square" id="wcc">

Washtenaw Community College

</div>

<div class="square" id="emu">

Eastern Michigan University

</div>

<div class="square" id="bwv">

BWV Aachen

</div>

<div class="square" id="xjtlu">

XJTLU

</div>

<div id="edu-text">

<p id="salem-text">

Salem High School

Attended: 2000-2004

Degree: High School Diploma

</p>

<p id="wcc-text">

Washtenaw Community College

Attended: 2008-2009

Degree: Liberal Arts Transfer (AALAT)

</p>

<p id="emu-text">

Eastern Michigan University

Attended: 2009-2010

Major: French Studies, Literature & Composition

</p>

```

<p id="bwv-text">
    <strong>Berufskolleg f&uuml;r Wirtschaft und Verwaltung der Stadt Aachen</strong>
    <br>Attended: 2013-2016
    <br>Degree: IT Specialist in Software Development (Aachen Chambers of Industry and
Congress)
</p>
<p id="xjtlu-text">
    <strong>Xi'an Jiaotong Liverpool University</strong>
    <br>Attending: 2017-Present
    <br>Degree Program: Information and Computing Science BSc
</p>
</div>
</div>
</section>
<hr id="gotoLanguage">

<!-- LANGUAGE SECTION -->
<section id="language">
    <h2>Language</h2>
    <div id="graph-container">
        <div class='barcontainer'>
            <div class='bar' style='height: 25%'>
                Beginner
                <div class='barlabel'>
                    Mandarin
                </div>
            </div>
            <div class='bar' style='height: 100%'>
                Native
                <div class='barlabel'>
                    English
                </div>
            </div>
            <div class='bar' style='height:50%'>
                Basic
                <div class='barlabel'>
                    French
                </div>
            </div>
            <div class='bar' style='height:75%'>
                Fluent
                <div class='barlabel'>
                    German
                </div>
            </div>
        </div>
        <div id="cred-container">
            <dl>
                <dt>English:</dt>
                <dd>Native speaker</dd>
                <dt>German:</dt>
                <dd>Fluent - DSH and TestDaF Certified</dd>
                <dt>French:</dt>
                <dd>Basic (A2) - Studied at Salem High School, Washtenaw Community College, Eastern
Michigan University</dd>
                <dt>Mandarin:</dt>
                <dd>Beginner - Studying at XJTLU</dd>
            </dl>
        </div>
    </div>
</section>
<hr id="gotoWork">

<!-- WORK SECTION -->
<section id="work">
    <h2>Work</h2>
    <div class="cv-table">
        <table>

```

```

<thead>
  <tr>
    <th>From</th>
    <th>To</th>
    <th>Position</th>
    <th>Company</th>
  </tr>
</thead>
<tbody>
  <tr>
    <td>June 2016</td>
    <td>April 2017</td>
    <td>
      <i>Juniorspezialist ("Junior Specialist")</i>
    </td>
    <td>
      <a target="_blank" href="http://www.comconsult.com/">ComConsult
      Kommunikationstechnik GmbH</a>
    </td>
  </tr>
  <tr>
    <td>August 2013</td>
    <td>June 2016</td>
    <td>
      <i>Auszubildender ("Apprentice")</i>
    </td>
    <td>
      <a target="_blank" href="http://www.aixpertsoft.com/">AixpertSoft GmbH</a>
    </td>
  </tr>
  <tr>
    <td>September 2008</td>
    <td>August 2013</td>
    <td>
      <i>Product Development & QA</i>
    </td>
    <td>
      <a target="_blank" href="http://www.caranddriver.com/">Car and Driver
      Magazine</a>
    </td>
  </tr>
  <tr>
    <td>December 2006</td>
    <td>August 2008</td>
    <td>
      <i>Data Entry and Production Assistant</i>
    </td>
    <td>
      <a target="_blank" href="http://www.windingroad.com/">Winding Road
      Magazine</a>
    </td>
  </tr>
</tbody>
</table>
</div>
</section>
<hr id="gotoTravel">


<section id="travel">
  <h2>Favorite Cities</h2>
  <div class="gallery">
    <a target="_blank" href="images/berlin.jpg">
      
    </a>
    <div class="desc">Alexanderplatz, Berlin</div>
  </div>

```

```

<div class="gallery">
  <a target="_blank" href="images/paris.jpg">
    
  </a>
  <div class="desc">Eiffel Tower, Paris</div>
</div>
<div class="gallery">
  <a target="_blank" href="images/aachen.jpg">
    
  </a>
  <div class="desc">Elisengarten, Aachen</div>
</div>
<div class="gallery">
  <a target="_blank" href="images/cologne.jpg">
    
  </a>
  <div class="desc">Rhein, Cologne</div>
</div>
<div class="gallery">
  <a target="_blank" href="images/suzhou.jpg">
    
  </a>
  <div class="desc">Changmen Gate, Suzhou</div>
</div>
</section>
<!-- END MAIN -->
</main>

<div id="wrapper">
  <footer>
    Email me at
    <a href="mailto:C.Champion17@student.xjtu.edu.cn">C.Champion17@student.xjtu.edu.cn</a>
    <br>Copyright © 2018 Christopher Champion
  </footer>
</div>

</body>
</html>

```

7.2 1719247_style.css

```

body {
  margin: 0;
  padding: 0;
  min-height: 100%;
  position: relative;
  font-family: 'SF Pro Display','SF Pro Icons','Helvetica Neue','Helvetica','Arial',sans-serif;
}

body a:link {text-decoration: none;}
body a:hover {text-decoration: underline;}

/**************************************** NAVIGATION *****/
nav {
  position: fixed;
  width: 100%;
  top: 0;
  padding-left: 40px;
  background-color: #339933;
  color: white;
  z-index: 3;
}
nav h1 {text-align: left;}

```

```

nav ul {
    list-style: none;
    position: absolute;
    right: 50px;
    top: 10px;
}
nav ul li {
    display: inline-block;
    margin-left: 10px;
    margin-right: 10px;
}
nav a {color: white; text-decoration: none;}
nav a:hover {text-decoration: underline;}
nav h1 a:hover {text-decoration: none; }

/********************* MAIN *****/
main {
    position: relative;
    min-height: 100%;
    margin-left: 15%;
    margin-right: 15%;
    margin-top: 10%;
}
section {
    position: relative;
    width: 100%;
    min-height: 35%;
}
section h2 {text-align: center;}
#portrait {
    /* center image */
    display: block;
    margin: auto;
    height: 250px;
    border-radius: 10%;
}
#wrapper {height: 800px;}
footer {
    position: absolute;
    width: 100%;
    height: 50px;
    bottom: 0px;
    color: white;
    background-color: #339933;
    text-align: left;
    padding-top: 10px;
    padding-left: 40px;
}

/********************* SECTION ABOUT *****/
#about #about-wrapper {
    position: relative;
    width: 100%;
    min-height: 300px;
}
#about .left-container {
    width: 45%;
    float: left;
    text-align: justify;
    margin-right: 15px;
}
#about .right-container {
    width: 45%;
    float: left;
    text-align: justify;
}

```

```

        margin-left: 15px;
    }

/************* SECTION EDUCATION *****/
#education .square-container {
    margin: auto;
    width: 530px;
    height: 200px;
    padding: 0;
    padding-bottom: 50px;
    display: block;
    border-spacing: 10px;
}
#education .square {
    display: table-cell;
    padding: 5px;
    margin: 0;
    padding: 0;
    width: 100px;
    height: 100px;
    text-align: center;
    vertical-align: middle;
    background-color: #777;
    color: white;
    border-radius: 10%;
}
#education .square:hover {background-color: #339933;}
#education #edu-text > p {font-size: 18;}
/* DEFAULT: display none for all <p> excluding #salem-text */
#education #edu-text > p:not(#salem-text) {display: none;}
/* DEFAULT: Display #salem-text */
#education #salem:hover ~ #edu-text > #salem-text {display: block;}
/* Display #wcc-text and hide #salem-text */
#education #wcc:hover ~ #edu-text > #wcc-text {display: block;}
#education #wcc:hover ~ #edu-text > #salem-text {display: none;}
/* Display #emu-text and hide #salem-text */
#education #emu:hover ~ #edu-text > #emu-text {display: block;}
#education #emu:hover ~ #edu-text > #salem-text {display: none;}
/* Display #bwv-text and hide #salem-text */
#education #bwv:hover ~ #edu-text > #bwv-text {display: block;}
#education #bwv:hover ~ #edu-text > #salem-text {display: none;}
/* Display #xjtlu-text and hide #salem-text */
#education #xjtlu:hover ~ #edu-text > #xjtlu-text {display: block;}
#education #xjtlu:hover ~ #edu-text > #salem-text {display: none;}

/************* SECTION LANGUAGE *****/
#language dt {font-weight: bold; padding: 5px;}
#language #graph-container {padding-top: 20px;}
#language #cred-container {padding: 45px;}
.barcontainer {
    position: relative;
    border-bottom: 2px dashed #777;
    border-right: 2px dashed #777;
    margin: 0 auto;
    min-height: 25vw;
    max-height: 50vw;
    min-width: 40%;
    max-width: 60%;
}
.bar {
    position: absolute;
    display: inline-block;
    bottom: 0;
    background: #339933;
    width: 70px;
}

```

```

        text-align: center;
        color: white;
        text-shadow: 1px 1px 0 black;
        box-shadow: 4px 0 8px #777;
    }
.barlabel {
    position: absolute;
    border-top: 2px solid black;
    background: #888;
    bottom: 0;
    width: 100%;
    text-shadow: 1px 1px 0px black;
    color: white;
}
/* W3 note - :nth-child(n) selector matches every element that is the nth child,
regardless of type, of its parent. */
.bar:nth-child(1) {left: 15%;}
.bar:nth-child(2) {left: 35%;}
.bar:nth-child(3) {left: 55%;}
.bar:nth-child(4) {left: 75%;}

/********************* SECTION WORK *****************/
#work .cv-table {padding: 25px;}
.cv-table table {border-collapse: collapse;}
.cv-table tr:hover {
    background-color: #339933;
    opacity: 0.9;
}
.cv-table th {text-align: center;}
.cv-table th, td {padding: 10px; vertical-align: top; }

/********************* SECTION TRAVEL *****************/
#travel .gallery {
    margin: 20px;
    border: 1px solid #777;
    float: left;
    width: 180px;
}
#travel .gallery:hover {border: 1px solid #339933;}
#travel .gallery img {width: 100%; height: auto;}
#travel .desc {padding: 15px; text-align: center;}
```