

2. Let's define the document structure of the screen with HTML

What is HTML?

Abbreviation for Hyper Text Markup Language.

Of a text document with embedded hyperlinks,

A language for defining structures (headings, paragraphs, etc.).

How do you write it?

Enclose it in tags to indicate its meaning.

```
<h1> Heading tag </h1>
```

Tags can also create a hierarchical structure.

```
<main>  
  <h1> Heading tag </h1>  
</main>
```

Tags may have attributes as supplementary information.

```
<img src = "path to image file">
```

Let's write now

メンバープロフィール



NAME

仁和 泰也



こんにちは。仁和泰也といいます。友人からはにわりんと呼ばれているので、にわりんと呼んでください。住まいは新宿で、大学4年生です。趣味は、写真を撮ることが好きなので、休日は山に登り、風景や草花をカメラに収めています。また、自粛生活が続いたとき、料理くらいできないと思い、夏から料理教室に通っています。得意料理はカレーライスです。

生年月日	2000年10月10日
血液型	A型
出身地	東京都
所属・部署	東京工業大学 情報理工学院
星座	天秤座
趣味	写真・料理
ニックネーム	にわりん

メンバープロフィール



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星座 天秤座

趣味 写真・料理

ニックネーム にわりん

Create an HTML file

1. From the vscode menu, select File> New File
2. Write an appropriate document
3. Save the file with ctrl + s
 - Create a suitable folder for the folder
 - The file name is "detail.html"
4. Double-click the saved file to open it (opens in the browser)

Create a frame that fits the HTML writing style

```
<! DOCTYPE html>
<html lang = "ja">
  <head>
    <title> Member Profile | Sample Project </title>
  </head>
  <body>
    Member profile
  </body>
</html>
```

- DOCTYPE: Declare HTML
- html: Shows the entire HTML document
- head: Indicates the part that declares the information (header information) of the HTML document itself.
- title: Indicates the title of the HTML document itself.
- body: Shows the body of the HTML document

Add a description of the document itself

```
<head>  
  <title> Member Profile | Sample Project </title>  
  <meta charset = "utf-8" />  
  <meta name = "description" content = "TOTAL Sample Project" />  
</head>
```

- meta tag: Indicates a description of the document itself
 - Specify name and content to explain
 - Add a description of the sentence itself with description
 - Specify the character code with charset (can be specified directly with the attribute)

Add text

```
<body>
  Member profile

  Yasuya Niwa

  Hello. My name is Yasuya Niwa.
  My friends call me Haniwa, so please call me Haniwa.
  I live in Shinjuku and am a 4th year university student. My hobby is taking pictures, so
  On holidays, I climb mountains and take pictures of landscapes and flowers.
  Also, when I continued to refrain from cooking, I thought I couldn't cook as much.
  I have been attending cooking classes since summer. My specialty is curry rice.

  Date of birth October 10, 2000
  Blood type A
  Birthplace: Tokyo
  Affiliation / Department Tokyo Institute of Technology Faculty of Information Science and Technology
  Constellation Libra
  Hobbies Photographs and cooking
  Nickname
</body>
```

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(;)!?

Even if you put line breaks and spaces as text

It has no meaning as HTML.

Let's use tags to define the structure of the document.

大見出し
メンバープロフィール中見出し
仁和 泰也

段落

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表

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趣味	写真・料理
ニックネーム	にわりん

Divide the meaning greatly

```
<header>  
    SAMPLE PROJECT  
</header>  
<main>  
    Member profile  
    ~ Omitted ~  
</main>  
<footer>  
    provided by Guild Works Volunteers  
</footer>
```

- header: Shows the header part
- main: Shows the main part
- footer: Indicates the footer part
- aside: Shows the supplementary part

Show heading

```
<main>
  <h1>
    Member profile
  </h1>
  <h2>
    Yasuya Niwa
  </h2>
  Hello. My name is Yasuya Niwa.
  ~ Omitted ~
</main>
```

- h1: Heading 1
- h2: Heading 2
- h3: Heading 3
- h4: Heading 4, etc.

Show paragraph

```
<header>
  <p>
    SAMPLE PROJECT
  </p>
</header>
```

```
<p>
  Hello. My name is Yasuya Niwa.
  My friends call me Haniwa, so please call me Haniwa.
  I live in Shinjuku and am a 4th year university student. My hobby is taking pictures, so
  On holidays, I climb mountains and take pictures of landscapes and flowers.
  Also, when I continued to refrain from cooking, I thought I couldn't cook as much.
  I have been attending cooking classes since summer. My specialty is curry rice.
</p>
```

- p: Indicates a paragraph

Show the list

```
<ul>
  <li> Date of birth October 10, 2000 </li>
  <li> Blood type A </li>
  <li> Birthplace Tokyo </li>
  <li> Affiliation / Department Tokyo Institute of Technology Faculty of Information Science and Technology </li>
  <li> Constellation Libra </li>
  <li> Hobbies Photographs / Cooking </li>
  <li> Nickname Niwarin </li>
</ul>
```

-ul: Shows the entire unnumbered list

-li: Indicates each element of the list

Show a numbered list

```
<ol>
  <li> Date of birth October 10, 2000 </li>
  <li> Blood type A </li>
  <li> Birthplace Tokyo </li>
  <li> Affiliation / Department Tokyo Institute of Technology Faculty of Information Science and Technology </li>
  <li> Constellation Libra </li>
  <li> Hobbies Photographs / Cooking </li>
  <li> Nickname Niwarin </li>
</ol>
```

-ol: Shows the entire numbered list

-li: Indicates each element of the list

Show the list to define

```
<dl>
  <dt> Date of Birth </dt> <dd> October 10, 2000 </dd>
  <dt> Blood type </dt> <dd> A type </dd>
  <dt> Birthplace </dt> <dd> Tokyo </dd>
  <dt> Affiliation / Department </dt> <dd> Tokyo Institute of Technology Faculty of Information Science and Technology </dd>
  <dt> Constellation </dt> <dd> Libra </dd>
  <dt> Hobbies </dt> <dd> Photography / Cooking </dd>
  <dt> Nickname </dt> <dd> Niwarin </dd>
</dl>
```

- dl: Shows the entire definition list
- dt: Indicates the phrase to be defined
- dd: Indicates the definition

Show table

```
<table>
  <tbody>
    <tr>
      <th> Date of birth </th>
      <td> October 10, 2000 </td>
    </tr>
    ~ Omitted ~
  </tbody>
</table>
```

- table: Shows the entire table
- tbody, thead, tfoot: Indicates the body, header, and footer of the table
- tr: Indicates a row in the table
- th: Indicates the title of the table
- td: Shows table data

Add navigation

```
<header>
  <p>
    SAMPLE PROJECT
  </p>
  <nav>
    <a href="list.html">
      member list
    </a>
    <a href="detail.html">
      Member profile
    </a>
  </nav>
</header>
```

- nav: Shows the navigation part
- a: Show hyperlink

Add an image

```
<img src = "https://images.unsplash.com/photo-1577409873799-29f8be1311dd" alt = "Niwa's profile image" style = "width: 100px;">
<h2>
  Yasuya Niwa
</h2>
```

- img: Add an image
 - src: Specify the original file of the image
 - alt: Specify alternative text for the image

Draw an image

```
<a href="#" class="text-gray-500">
  <svg fill = "currentColor" stroke-linecap = "round" stroke-linejoin = "round" stroke-width = "2" viewBox = "0 0 24 24" style = "width: 20px; height: 20px;">
    <path d = "M18 2h-3a5 5 0 0-5 5v3H7v4h3v8h4v-8h3l1-4h-4V7a1 1 0 01-1h3z"> </path>
  </svg>
</a>
<a href="#" class="ml-2 text-gray-500">
  <svg fill = "currentColor" stroke-linecap = "round" stroke-linejoin = "round" stroke-width = "2" viewBox = "0 0 24 24" style = "width: 20px; height: 20px;">
    <path d = "M23 3a10.9 10.9 0 01-3.14 1.53 4.48 4.48 0 00-7.86 3v1A10.66 10.66 0 013 4s-4 9 5 13a11.64 11.64 0 01-7 2c9 5 20 0 20-11.5a4.5 4.5 0 00-.08-.83A7.72 7.72 0 0023 3z "> </path>
  </svg>
</a>
<a href="#" class="ml-2 text-gray-500">
  <svg fill = "currentColor" stroke-linecap = "round" stroke-linejoin = "round" stroke-width = "2" viewBox = "0 0 24 24" style = "width: 20px; height: 20px;">
    <path d = "M0 0h24v24H0z" fill = "none"> </path>
    <path d = "M20 4H4c-1.1 0-1.99.9-1.99 2L2 18c0 1.1.9 2 2 2h16c1.1 0 2-.9 2-2V6c0-1.1-.9-2-2-2zm0 4l-8 5- 8-5V6l8 5 8-5v2z "> </path>
  </svg>
</a>
```

- `svg`: Shows the image drawing part in SVG (Scalable Vector Graphics). Reproduce the image by calculation
- `path`: One way to specify SVG

Add definitions for style and script operations

```
<div class = "description">
  <p>
    <Span id = "greeding"> Hello. My name is Yasuya Niwa. </span>
    My friends call me Haniwa, so please call me Haniwa.
    I live in Shinjuku and am a 4th year university student. My hobby is taking pictures, so
    On holidays, I climb mountains and take pictures of landscapes and flowers.
    Also, when I continued to refrain from cooking, I thought I couldn't cook as much.
    I have been attending cooking classes since summer. My specialty is curry rice.
  </p>
</div>
```

- div: Separates documents as block-level elements (treated as a single block). It has no documentary structural meaning.
- span: Separates the document as an inline element (which is considered part of the text inside the block level element). It has no documentary structural meaning.

Let's add a form

That's all for the profile page,

Finally, I will explain how to add an input field to the screen.

コメント

- 名前 :
- 職種 :
- コメント :

送信

Add an input field

```
<h2> Comments </h2>
<form method = "POST" action = "#">
  <ul>
    <li>
      name:
      <input type = "text" name = "name">
    </li>
    <li>
      Occupation:
      <select name = "job">
        <option value = "engineer"> engineer </option>
        <option value = "designer"> designer </option>
        <option value = "others"> Others </option>
      </select>
    </li>
    <li>
      comment:
      <textarea name = "comment"> </textarea>
    </li>
  </ul>
  <input type = "submit">
</form>
```

- form: Shows the entire input field
 - action: Indicates the destination of the input contents
 - method: Indicates the transmission method
- input: Indicates the input item
 - type: Indicates the type of input item. There are types such as text, email, number, radio, and submit.
- select: Indicates the input item of the selection formula
- option: Show options
- textarea: Indicates an area for text input that spans multiple lines

Finally

I haven't explained all the tags,
I explained the main ones.

You don't have to remember,
Keep in mind that "I had something like this"
Let's look it up and find it when you need it.