About.html

Head section

```
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About</title>
    <link rel="stylesheet" href="./css/command.css">
    <link rel="stylesheet" href="./css/about.css">
</head>
```

- Meta tag defines metadata, for character set, page description, keywords, author of the document, and viewport settings.

- Title tag defines title in browser

- Link tag linked

  o Command.css

    ▪ Import special fonts

```css
ss > # command.css > ...
  1    @font-face {
  2        font-family: 'icomoon';
  3        src: url('../fonts/icomoon.eot?erods0');
  4        src: url('../fonts/icomoon.eot?erods0#iefix') format('embedded-opentype'),
  5            url('../fonts/icomoon.ttf?erods0') format('truetype'),
  6            url('../fonts/icomoon.woff?erods0') format('woff'),
  7            url('../fonts/icomoon.svg?erods0#icomoon') format('svg');
  8        font-weight: normal;
  9        font-style: normal;
 10        font-display: block;
 11    }
 12
 13    * {
 14        margin: 0;
 15        padding: 0;
 16    }
 17
```

▪ Chang style for information bar(4 links for 4 html and a search tool) on top of every html including

• Font size, style on the information bar

```css
* {
    margin: 0;
    padding: 0;
}

body {
    min-width: 1280px;
}

a {
    position: relative;
    text-decoration: none;
    color: black;
}

a:hover::after {
    opacity: 1;
}

a::after {
    content: "";
    position: absolute;
    left: 0;
    bottom: -2px;
    width: 100%;
    height: 2px;
    background-color: #000;
    transition: opacity 0.3s ease-in-out;
    opacity: 0;
}
```

- Display links as ul list

```css
ul {
    list-style: none;
}

ul li {
    float: left;
    margin-left: 5vw;
}
```

- Positions of each section

- Background color, font color, or any other colors

- Effect showing underline when cursor touches the words

- Size and position of searching tool, size of character when typing in it

```css
.nav-bar {
    position: relative;
    width: 100vw;
    height: 70px;
    text-align: center;
    line-height: 70px;
}

.search-module {
    position: absolute;
    top: 0;
    right: 10vw;
}

input {
    width: 200px;
    height: 35px;
    font-size: 20px;
    outline: none;
    padding-left: 10px;
}
```

- Search button symbol, position, size

```css
.search-button {
    width: 50px;
    height: 40px;
    margin-left: -6px;
    outline: none;
}

.search-button::after {
    content: '\e98a';
    font-family: 'incommon';
    font-size: 18px;
}

.search-button:hover {
    background-color: ■gray;
    color: ■white;
}
```

- It looks like:

HOME   WATCHES   ABOUT   CONTACT US   Search here   🔍

- About.css (change style for main information bellow the searching bar)

  ▪ Positions of sections

  ▪ Font color, background color, or any other colors

  ▪ Font size, image size, map size

```css
.main {
    position: relative;
    width: 100vw;
    height: 95vh;
    background-color: #3b4a6b;
}

.pic {
    position: absolute;
    top: 15vh;
    left: 15vw;
    width: 300px;
}

.pic img {
    width: 100%;
    height: 100%;
}

.info {
    position: absolute;
    width: 400px;
    top: 0;
    left: 35vw;
    font-size: 20px;
    color: white;
    line-height: 1.5;
}

.moreinfo {
    position: absolute;
    top: 0;
    left: 30vw;
    width: 500px;
    height: 500px;
    background-color: #3b4a6b;
    border-radius: 20px;
    z-index: 2;
    padding: 20px;
    opacity: 0;
    transition: opacity 0.5s ease-out;
    visibility: hidden;
```

```css
}

.moreinfo p {
    font-size: 20px;
    color: ■white;
}

.close {
    position: absolute;
    top: 0;
    right: 0;
    width: 50px;
    height: 20px;
    border-radius: 10px;
    outline: none;
}

.more {
    position: absolute;
    top: 52vh;
    right: -30vw;
    width: 150px;
    height: 40px;
    font-weight: 700;
    background-color: ■yellowgreen;
}

.more:hover {
    background-color: ■#ff6700;
}

.ourinfo {
    width: 800px;
    position: absolute;
    bottom: -3vh;
    color: ■white;
}
```

```
.ourinfo table {
    border-spacing: 20px;
}

table td {
    text-align: center;
}


.map {
    position: absolute;
    bottom: -3vh;
    right: 0;
    color: ■white;
    z-index: 99;
}
```

- Set information was visible or not (after clicking read more button)

```
.moreinfo.show {
    opacity: 1;
    visibility: visible;
}

moreinfo p {
```

Body section

Nav class = "nav-bar"

```html
<body>
    <nav class="nav-bar">
        <ul>
            <li><a href="./index.html">HOME</a></li>
            <li><a href="./watches.html">WATCHES</a></li>
            <li><a href="./about.html">ABOUT</a></li>
            <li><a href="./contact us.html">CONTACT US</a></li>
            <script src="./js/about.js"></script>
        </ul>
        <span class="search-module">
            <input type="text" placeholder="Search here">
            <button class="search-button"></button>
        </span>
    </nav>
```

- Using ul list display links to 4 html webpages

- Import a java script for about

  - About.js

```javascript
window.onload = function () {
    var btn = document.querySelector('.more');
    var moreinfo = document.querySelector('.moreinfo');
    var close = document.querySelector('.close');
    btn.addEventListener('click', function () {
        moreinfo.classList.add('show');
    });
    close.addEventListener('click', function () {
        moreinfo.classList.remove('show');
    })
}
```

  - Variables for buttons

  - Set functions for clicking the buttons

    - Show and remove information

- Span class = "search-module"

○ For searching tool on top right corner of webpage

■ Text Search here in the default searching box

■ Button with magnifier image as search button

Div class= "main"

```html
<div class="main">
    <div class="pic">
        <img src="./img/about-img.png" alt="">
        <div class="info">
            <h1>About Smart Watches</h1>
            <p>Smart watches are a type of wearable technology that combine the functionality of a traditional
                wristwatch with features of a smartphone or other mobile device. These watches typically have a
                touch
                screen interface and offer a range of features such as fitness tracking, mobile payment, and access
                to
                apps and notifications.</p>
        </div>
        <div class="moreinfo">
            <p>Smart watches are a type of wearable technology that combine the functionality of a traditional
                wristwatch with features of a smartphone or other mobile device. These watches typically have a
                touch screen interface and offer a range of features such as fitness tracking, mobile payment, and
                access to apps and notifications. Smart watches can also be synced with a smartphone to allow for
                hands-free phone calls and messaging. Some smart watches are standalone devices that can make phone
                calls and connect to the internet independently, while others require a smartphone to function. The
                first commercially available smart watch was released by Sony in 2010, and since then, many other
                companies have entered the market with their own offerings.</p>
            <button class="close">X</button>
        </div>
        <button class="more">Read more</button>
    </div>
</div>
```

● Class= "pic"

○ Import a huge smart watch image in the left center of webpage, immediately gives idea of what kind of item is introducing, looks like:
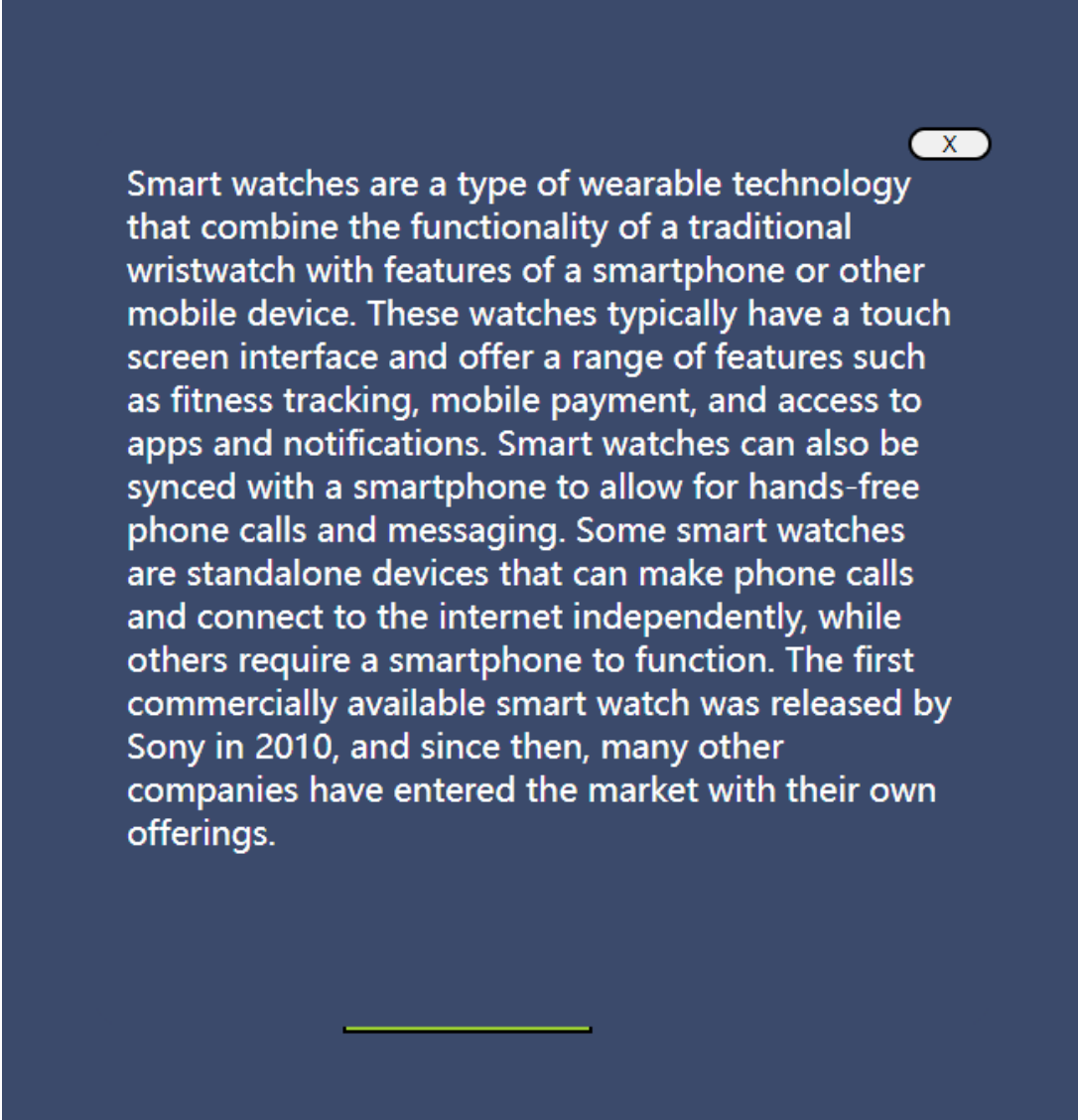
- Class = "info"

  o Show the text introducing smart watch

  o Original information display once entering this webpage

  o Looks like:

About Smart Watches

Smart watches are a type of wearable technology that combine the functionality of a traditional wristwatch with features of a smartphone or other mobile device. These watches typically have a touch screen interface and offer a range of features such as fitness tracking, mobile payment, and access to apps and notifications.

Read more

- Class = "moreinfo"

  o A hidden information further explains smart watches after clicking the button Read more

  o After clicking Read more, more information shows as well as another button X on top right, looks like:

Smart watches are a type of wearable technology that combine the functionality of a traditional wristwatch with features of a smartphone or other mobile device. These watches typically have a touch screen interface and offer a range of features such as fitness tracking, mobile payment, and access to apps and notifications. Smart watches can also be synced with a smartphone to allow for hands-free phone calls and messaging. Some smart watches are standalone devices that can make phone calls and connect to the internet independently, while others require a smartphone to function. The first commercially available smart watch was released by Sony in 2010, and since then, many other companies have entered the market with their own offerings.

- o   Clicking the X button will return to the original information display on website

Div class = "ourinfo"

```html
</div>
<div class="ourinfo">
    <h1>About Us</h1>
    <table>
        <thead>
            <tr>
                <th>Name</th>
                <th>Contact</th>
                <th>City</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>Xiang Chen</td>
                <td>Call +012345679</td>
                <td>NY</td>
            </tr>
            <tr>
                <td>Jimmy Yee</td>
                <td>Call +012345679</td>
                <td>NY</td>
            </tr>
            <tr>
                <td>Guang Qing Yuan</td>
                <td>Call +012345679</td>
                <td>NY</td>
            </tr>
        </tbody>
    </table>
</div>
```
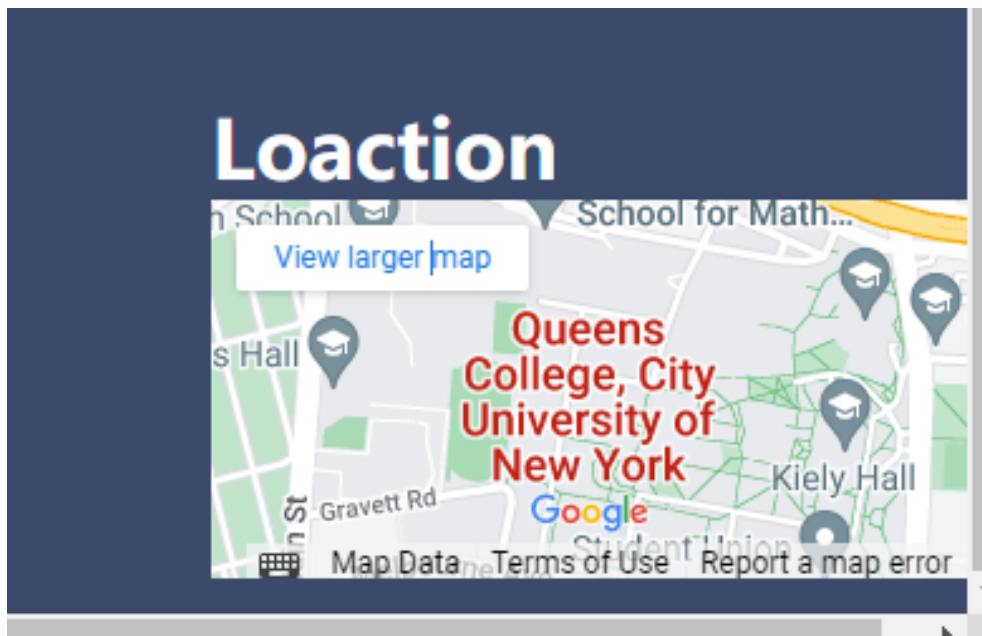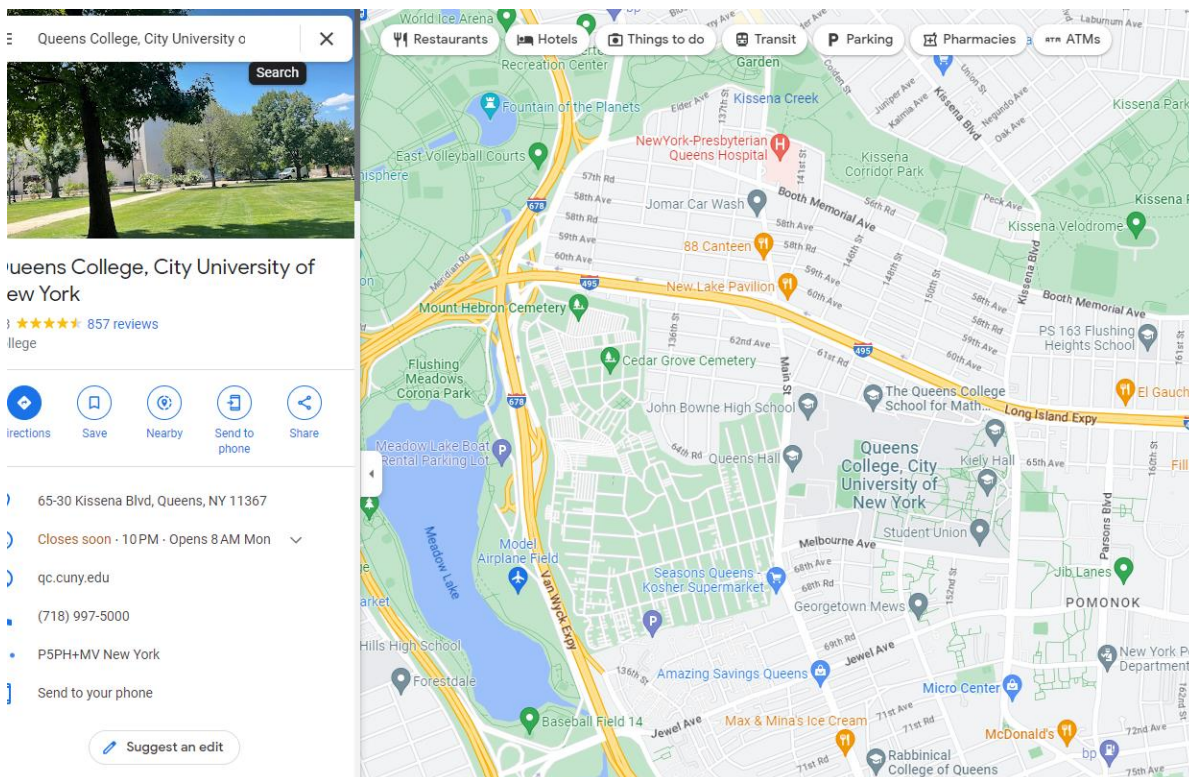
- Create a table at the bottom left of webpage includes information about the people created this webpage, such as Name, phone number and city location.

  o Looks like:

About Us

Name	Contact	City
Xiang Chen	Call +012345679	NY
Jimmy Yee	Call +012345679	NY
Guang Qing Yuan	Call +012345679	NY

Div class = "map"

```
<div class="map">
    <h1>Loaction</h1>
    <iframe
        src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3023.149037228313!2d-73.82251354903867!3d40.736745
        style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>
</div>
</body>

</html>
```

- Show the location

- Import link that shows map directly on google map

- By clicking the view larger map button or just click the map would direct lead to google map website.

Contact us.html

Head section

```
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact us</title>
    <link rel="stylesheet" href="./css/command.css">
    <link rel="stylesheet" href="./css/contact.css">
    <script src="./js/contact.js"></script>
</head>
```

- Meta tag defines metadata, for character set, page description, keywords, author of the document, and viewport settings.

- Title tag defines title in browser

- Link tag linked

    o Command.css

    o Contact.css

```css
@import url('https://fonts.googleapis.com/css2?family=Righteous&display=swap');

#clock {
    position: absolute;
    top: 0;
    left: 47vw;
    font-size: 50px;
    font-family: 'Righteous', cursive;
}

h1 {
    text-align: center;
}

.contact {
    position: absolute;
    top: 10vh;
    left: 10vw;
    text-align: center;
}


label {
    font-size: 20px;
}

div>input {
    width: 350px;
    height: 30px;
    margin-top: 20px;
    border-radius: 10px;

}

.send {
    width: 290px;
    height: 40px;
    border-radius: 10px;
    outline: none;
}
```

```css
textarea {
    width: 360px;
    height: 200px;
    font-size: 25px;
    outline: none;
    border-radius: 10px;
}

.contact-img {
    position: absolute;
    top: 15vh;
    right: 5vw;
    width: 800px;
    height: 600px;
}

img {
    width: 100%;
    height: 100%;
}
```

- Import real time clock into webpage

- Set each section into different positions

- Font size, font style for website original text and input text

- Image size

- Import java script for contact

  o Contact.js

```
1   window.onload = function () {
2       function myTime() {
3           const time = new Date();
4           const hh = time.getHours();
5           const mm = time.getMinutes();
6           const ss = time.getSeconds();
7           var clock = document.querySelector('#clock');
8           const formattedhh = hh < 10 ? '0' + hh : hh;
9           const formattedmm = mm < 10 ? '0' + mm : mm;
10          const formattedss = ss < 10 ? '0' + ss : ss;
11          clock.innerHTML = formattedhh + ':' + formattedmm + ':' + formattedss;
12      }
13      myTime();
14      setInterval(myTime, 1000);
15
16  }
```

- ▪ Set variables for hour, minutes and seconds for the real time clock on webpage.

Body section

Nav class = "nav-bar" (for menu and searching tool on top of every webpage) ,

Div class = "clock"

```
</nav>
<div id="clock"></div>
```

- • For clock to be display on webpage, on middle top side, looks like:

23:17:23

Div class = "contact"

```
<div id= clock ></div>
<div class="contact">
    <h1>Contact Us</h1>
    <br>
    <form action="">
        <div class="name">
            <label for="name">Full Name:</label>
            <br>
            <input type="text" required>
        </div>
        <div class="email">
            <label for="email">Email:</label>
            <br>
            <input type="email" required>
        </div>
        <div class="phone">
            <label for="phone">Phone:</label>
            <br>
            <input type="tel" required>
        </div>
        <br>
        <div class="messages">
            <label for="">Messages:</label>
            <br>
            <textarea name="" id="" cols="30" rows="10"></textarea>
        </div>
        <br>
        <button type="submit" class="send">Send</button>
    </form>
</div>
</div>
```

- Create a form for visiter to leave their information including name email, phone number, and message on the left side of the main webpage.

- A button sent for submitting the form, whole thing looks like:

Contact Us

Full Name:

Email:

Phone:

Messages:

Send

Div class = "contact-img"

```
<div class="contact-img">
    <img src="./img/contact-img.jpg" alt="">
</div>
</body>
```

- Display a smart watch on the right side of main webpage, looks like:

Index.html (home page)

Head section

```html
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0
    <title>Smart Watches</title>
    <link rel="stylesheet" href="./css/command.css">
    <link rel="stylesheet" href="./css/index.css">
    <script src="./js/index.js"></script>
</head>
```

- Meta tag defines metadata, for character set, page description, keywords, author of the document, and viewport settings.

- Title tag defines title in browser

- Link tag linked

    o Command.css (for menu on top of website)

    o Index.css

```css
1   @font-face {
2       font-family: 'icomoon';
3       src: url('../fonts/icomoon.eot?erods0');
4       src: url('../fonts/icomoon.eot?erods0#iefix') format('embedded-o
5           url('../fonts/icomoon.ttf?erods0') format('truetype'),
6           url('../fonts/icomoon.woff?erods0') format('woff'),
7           url('../fonts/icomoon.svg?erods0#icomoon') format('svg');
8       font-weight: normal;
9       font-style: normal;
10      font-display: block;
11  }
12
13
14  .main {
15      position: relative;
16      width: 100vw;
17      height: 90vh;
18      background-color: ☐#3b4a6b;
19      border-radius: 0 0 0 40%;
20  }
21
22  .pic {
23      position: relative;
24      width: 700px;
25      height: 400px;
26      margin-left: 50vw;
27      padding-top: 10vh;
28      overflow: hidden;
29  }
30
31  .slider-img {
32      position: absolute;
33      width: 500%;
34  }
```

```css
.slider-img li {
    margin-left: 0;
}

.slider-img img {
    width: 700px;
    height: 400px;
}

.prev {
    position: absolute;
    top: 50%;
    left: 0;
    border-radius: 20px;
    outline: none;
}

.prev::before {
    content: '\e906';
    font-family: 'icomoon';
    font-size: 50px;
}

.next {
    position: absolute;
    top: 50%;
    right: 0;
    border-radius: 20px;
    outline: none;
}
```

```css
.next::before {
    content: '\e907';
    font-family: 'icomoon';
    font-size: 50px;
}

.info {
    position: absolute;
    top: 20vh;
    left: 2vw;
    width: 400px;
}

h1 {
    color: ▪white;
}

p {
    color: ▪white;
    line-height: 2;
}

.contact {
    position: absolute;
    top: 30vh;
    left: 5vw;
    width: 200px;
    height: 40px;
    font-size: 20px;
    font-weight: 700;
    background-color: ▪yellowgreen;
    transition: top 0.3s ease;
}
```

- o   Import font style

- o   Positions for each sections

- o   Size, color, background color for information, button and slide image on webpage

```css
.contact:hover {
    background-color: ▪#ff6700;
    top: 30.5vh;
}
```

- o   For button to change color when cursor touches it

Smart Watches

A smartwatch is a wearable device that can perform many of the same functions as a smartphone, such as displaying notifications, making phone calls, sending text messages, and tracking fitness goals.

Contact us

- Java script linked
  - Index.js

```javascript
window.onload = function () {
    var pic = document.querySelector('.pic');
    var prev = document.querySelector('.prev');
    var next = document.querySelector('.next');
    var slider_img = document.querySelector('.slider-img')
    var index = 0;
    var first = slider_img.children[0].cloneNode(true);
    slider_img.appendChild(first);
    prev.addEventListener('click', function () {
        if (index == 0) {
            index = slider_img.children.length - 1;
            slider_img.style.left = -index * pic.offsetWidth + 'px';
        }
        index--;
        timer = setInterval(function () {
            var step = (-index * pic.offsetWidth - slider_img.offsetLeft) / 10;
            if (slider_img.offsetLeft == (-index * pic.offsetWidth)) {
                clearInterval(timer);
            }
            slider_img.style.left = slider_img.offsetLeft + Math.floor(step) + 'px';
        }, 15);
    })
    next.addEventListener('click', function () {
        if (index == slider_img.children.length - 1) {
            index = 0;
            slider_img.style.left = -index * pic.offsetWidth + 'px';
        }
        index++;
        timer = setInterval(function () {
            var step = (-index * pic.offsetWidth - slider_img.offsetLeft) / 10;
            if (slider_img.offsetLeft == (-index * pic.offsetWidth)) {
                clearInterval(timer);
            }
            slider_img.style.left = slider_img.offsetLeft + Math.floor(step) + 'px';
        }, 15);
    })
    timer = setInterval(function () {
        next.click();
    }, 2500);

}
```

- Functions import for slide image

  - Change image when clicking the arrow aside of the image(left or right)

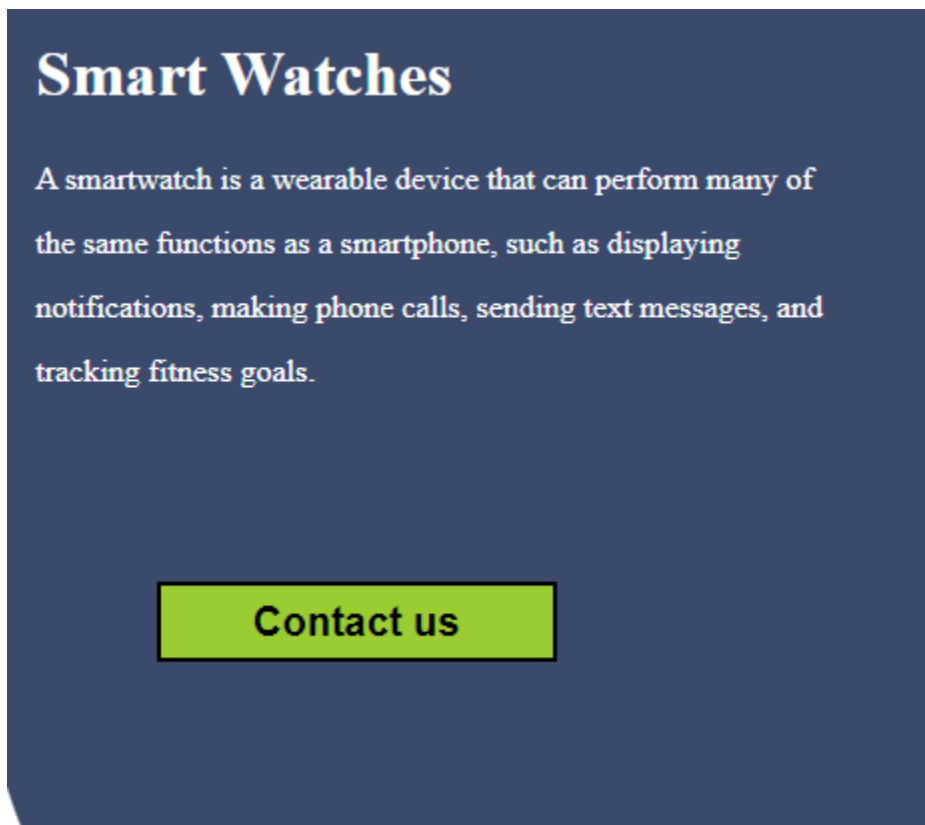 - Slide will move automatically after a short period of time

Body section

Nav section – for menu on top of webpage

Div class = "main"

- Class = "info"

```
<div class="main">
    <div class="info">
        <h1>Smart Watches</h1>
        <br>
        <p>A smartwatch is a wearable device that can perform many of the same functions as a smartphone, such as
            displaying notifications, making phone calls, sending text messages, and tracking fitness goals.</p>
        <button class="contact" onclick="window.location.href='./contact us.html'">Contact us</button>
    </div>
</div>
```

   o Shows paragraph introduce smart watch

   o Contain a button, click with cursor would lead to another webpage called contact us

- Class = "pic"

```
<div class="pic">
    <ul class="slider-img">
        <li><img src="./img/slider-img.png" alt=""></li>
        <li><img src="./img/slider-img2.jpg" alt=""></li>
        <li><img src="./img/slider-img3.webp" alt=""></li>
    </ul>
    <button class="prev"></button>
    <button class="next"></button>
</div>

/div>
y>

l>
```

    o   Upload images for the image slider

    o   Contain 2 buttons for previous and next image

Watches.html

Head section

```
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Watches</title>
    <link rel="stylesheet" href="./css/command.css">
    <link rel="stylesheet" href="./css/watches.css">
    <script src="./js/watches.js"></script>
</head>
```

- Meta tag defines metadata, for character set, page description, keywords, author of the document, and viewport settings.

- Title tag defines title in browser

- Link tag linked

   o Command.css (for menu on top of website)

   o Watches.css

```css
.commodity {
    margin-top: 200px;
}

.container {
    margin: 100px;
}

.header {
    text-align: center;
}

.box1 {
    display: inline-block;
    position: relative;
    width: 400px;
    height: 400px;
    background-color: rgba(128, 128, 128, 0.1);
    border-radius: 20px;
    margin-top: 30px;
    margin-left: 20px;
    transition: top 1s ease-in-out;

}

.box1:hover {
    top: -10px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.5);
    cursor: pointer;
}

h4 {
    position: absolute;
    top: 0;
    background-color: oldlace;
    border-radius: 10px 0 0 0;
}

img {
    width: 100px;
    height: 200px;
    margin-top: 100px;
    margin-left: 150px;
    visibility: hidden;
}

img:nth-of-type(-n+3) {
    visibility: visible;
}
```

```css
img.lazyload {
    opacity: 0;
    transition: opacity 0.7s ease;
}


.detail {
    position: absolute;
    bottom: 0;
    left: 0;
    font-size: 18px;
}

.price {
    position: absolute;
    bottom: 0;
    right: 0;
    font-size: 18px;
}
```

- Positions of each section
- Font, image size, color and background color
- Java script linked
  - Watches.js

```
1
2    var images = document.querySelectorAll('.lazyload');
3    window.onload = function () {
4        window.addEventListener('scroll', function () {
5            var images = document.querySelectorAll('.lazyload');
6            for (var i = 0; i < images.length; i++) {
7                if (isInViewport(images[i])) {
8                    images[i].src = images[i].getAttribute('data-src');
9                    images[i].classList.remove('lazyload');
10                   images[i].style.visibility = 'visible';
11                   images[i].style.opacity = 1;
12               }
13           }
14       });
15       function isInViewport(element) {
16           var rect = element.getBoundingClientRect();
17           return (
18               rect.top >= 0 &&
19               rect.left >= 0 &&
20               rect.bottom <= (window.innerHeight || document.documentElement.clientHeight) &&
21               rect.right <= (window.innerWidth || document.documentElement.clientWidth)
22           );
23       }
24   }
```

- ▪ Both functions added for images represent smart watches product to show

Body section

- Nav class (for menu on top of webpage)
- Class = "commodity"

```html
<section class="commodity">
    <div class="container">
        <div class="header">
            <h1>WATCHES</h1>
        </div>
        <div class="box1">
            <h4>Featured</h4>
            <img src="./img/w1.png" alt="">
            <span class="detail">Smartwatch</span>
            <span class="price">Price: $400</span>
        </div>
        <div class="box1">
            <h4>Featured</h4>
            <img src="./img/w2.png" alt="">
            <span class="detail">Smartwatch</span>
            <span class="price">Price: $210</span>
        </div>
        <div class="box1">
            <h4>New</h4>
            <img src="./img/w3.png" alt="">
            <span class="detail">Smartwatch</span>
            <span class="price">Price: $300</span>
        </div>
        <div class="box1">
            <h4>New</h4>
            <img data-src="./img/w4.png" alt="" class="lazyload">
            <span class="detail">Smartwatch</span>
            <span class="price">Price: $267</span>
        </div>
```

```
<div class="box1">
    <h4>New</h4>
    <img data-src="./img/w6.png" alt="" class="lazyload">
    <span class="detail">Smartwatch</span>
    <span class="price">Price: $700</span>
</div>
<div class="box1">
    <h4>New</h4>
    <img data-src="./img/w3.png" alt="" class="lazyload">
    <span class="detail">Smartwatch</span>
    <span class="price">Price: $369</span>
</div>
<div class="box1">
    <h4>New</h4>
    <img data-src="./img/w1.png" alt="" class="lazyload">
    <span class="detail">Smartwatch</span>
    <span class="price">Price: $201</span>
</div>
<div class="box1">
    <h4>New</h4>
    <img data-src="./img/w2.png" alt="" class="lazyload">
    <span class="detail">Smartwatch</span>
    <span class="price">Price: $420</span>
</div>
/div>
tion>
```

- For smart watch products to show including
  - Image of smart watch at the center
  - Introduction of the product on the top left of picture
  - Price at the bottom right
  - Detail of the product at the bottom left
  - Looks like

Featured

Smartwatch   Price: $400

Featured

Smartwatch   Price: $210

New

Smartwatch   Price: $300

New

Smartwatch   Price: $267