

BTTH5

Bài 1: Tạo câu chuyện ngắn.

a. Tạo ra một câu chuyện khi nhấn vào nút “Generate random story”.

```
<script>
const customName = document.getElementById('customname');
const randomize = document.querySelector('.randomize');
const story = document.querySelector('.story');

// 22520115
function randomValueFromArray(array) {
  return array[Math.floor(Math.random() * array.length)];
}

// 22520115
const storyText = "It was 94 fahrenheit outside, so :insertx: went for a walk. When they got to :inserty:, they stared in horror for a few moments, then :insertz:. Bob saw the whole thing, but was not surprised — Willy the Goblin weighs 300 pounds, and it was a hot day.";
const insertX = ["Willy the Goblin", "Big Daddy", "Father Christmas"];
const insertY = ["the soup kitchen", "Disneyland", "the White House"];
const insertZ = ["spontaneously combusted", "melted into a puddle on the sidewalk", "turned into a slug and crawled away"];

// 22520115
randomize.addEventListener('click', result);

function result() {
  let newStory = storyText;

  const xItem = randomValueFromArray(insertX);
  const yItem = randomValueFromArray(insertY);
  const zItem = randomValueFromArray(insertZ);

  newStory = newStory.replace(/:insertx:/g, xItem)
    .replace(":inserty:", yItem)
    .replace(":insertz:", zItem);
}
```

Enter custom name:

US ☒ UK ☐

Generate random story

It was 94 fahrenheit outside, so Willy the Goblin went for a walk. When they got to Disneyland, they stared in horror for a few moments, then melted into a puddle on the sidewalk. Bob saw the whole thing, but was not surprised — Willy the Goblin weighs 300 pounds, and it was a hot day.

b. Thay thế tên mặc định “Bob” trong câu chuyện bằng một cái tên tùy chỉnh khi tên tùy chỉnh được nhập vào “Enter custom name” trước khi nhấn nút tạo ở trên.

```
// 22520115
if (customName.value !== '') {
  const name = customName.value;
  newStory = newStory.replace("Bob", name);
}
```

Enter custom name:

US ☒ UK ☐

It was 94 fahrenheit outside, so Father Christmas went for a walk. When they got to the soup kitchen, they stared in horror for a few moments, then turned into a slug and crawled away. 22520115 Gia Bao saw the whole thing, but was not surprised — Father Christmas weighs 300 pounds, and it was a hot day.

- c. Chuyển đổi các hệ đo lường về cân nặng và giá trị chỉ nhiệt độ của Mỹ (US) thành các giá trị tương ứng của Anh (UK) nếu như nút radio UK được chọn trước khi nhấn nút tạo.

```
// 22520115
if (document.getElementById("uk").checked) {
  const weight = `${Math.round(300 * 0.0714286)} stone`;
  const temperature = `${Math.round((94 - 32) * 5 / 9)} centigrade`;

  newStory = newStory.replace("300 pounds", weight)
    .replace("94 fahrenheit", temperature);
}
```

Enter custom name:

US ☐ UK ☒

It was 34 centigrade outside, so Father Christmas went for a walk. When they got to the White House, they stared in horror for a few moments, then spontaneously combusted. 22520115 Gia Bao saw the whole thing, but was not surprised — Father Christmas weighs 21 stone, and it was a hot day.

Enter custom name: 22520115 Gia Bao

US ☒ UK ☐

Generate random story

It was 94 fahrenheit outside, so Willy the Goblin went for a walk. When they got to the White House, they stared in horror for a few moments, then melted into a puddle on the sidewalk. 22520115 Gia Bao saw the whole thing, but was not surprised — Willy the Goblin weighs 300 pounds, and it was a hot day.

- d. Luôn tạo ra một câu chuyện khác nếu bạn cứ tiếp tục nhấn nút tạo ở trên.

```
newStory = newStory.replace(/:insertx:/g, xItem)
                .replace(":inserty:", yItem)
                .replace(":insertz:", zItem);
// 22520115
if (customName.value !== '') {
    const name = customName.value;
    newStory = newStory.replace("Bob", name);
}
// 22520115
if (document.getElementById("uk").checked) {
    const weight = `${Math.round(300 * 0.0714286)} stone`;
    const temperature = `${Math.round((94 - 32) * 5 / 9)} centigrade`;

    newStory = newStory.replace("300 pounds", weight)
                .replace("94 fahrenheit", temperature);
}

story.textContent = newStory;
story.style.visibility = 'visible';
```

Enter custom name:

US ☒ UK ☐

It was 94 fahrenheit outside, so Father Christmas went for a walk. When they got to Disneyland, they stared in horror for a few moments, then turned into a slug and crawled away. 22520115 Gia Bao saw the whole thing, but was not surprised — Father Christmas weighs 300 pounds, and it was a hot day.

Enter custom name:

US ☒ UK ☐

It was 94 fahrenheit outside, so Big Daddy went for a walk. When they got to the soup kitchen, they stared in horror for a few moments, then turned into a slug and crawled away. 22520115 Gia Bao saw the whole thing, but was not surprised — Big Daddy weighs 300 pounds, and it was a hot day.

Bài 2: Thư viện ảnh.

- a. Lặp qua tất cả hình ảnh và với mỗi hình ảnh thì thêm phần tử `` rồi nhúng vào thumb-bar `<div>` trong trang HTML.

```
//22520115
for (let i = 1; i <= 5; i++) {
  const newImage = document.createElement('img');
  newImage.setAttribute('src', `images/pic${i}.jpg`);
  thumbBar.appendChild(newImage);

  newImage.addEventListener('click', () => {
    displayedImage.setAttribute('src', newImage.getAttribute('src'));
  });
}
```

Image gallery example



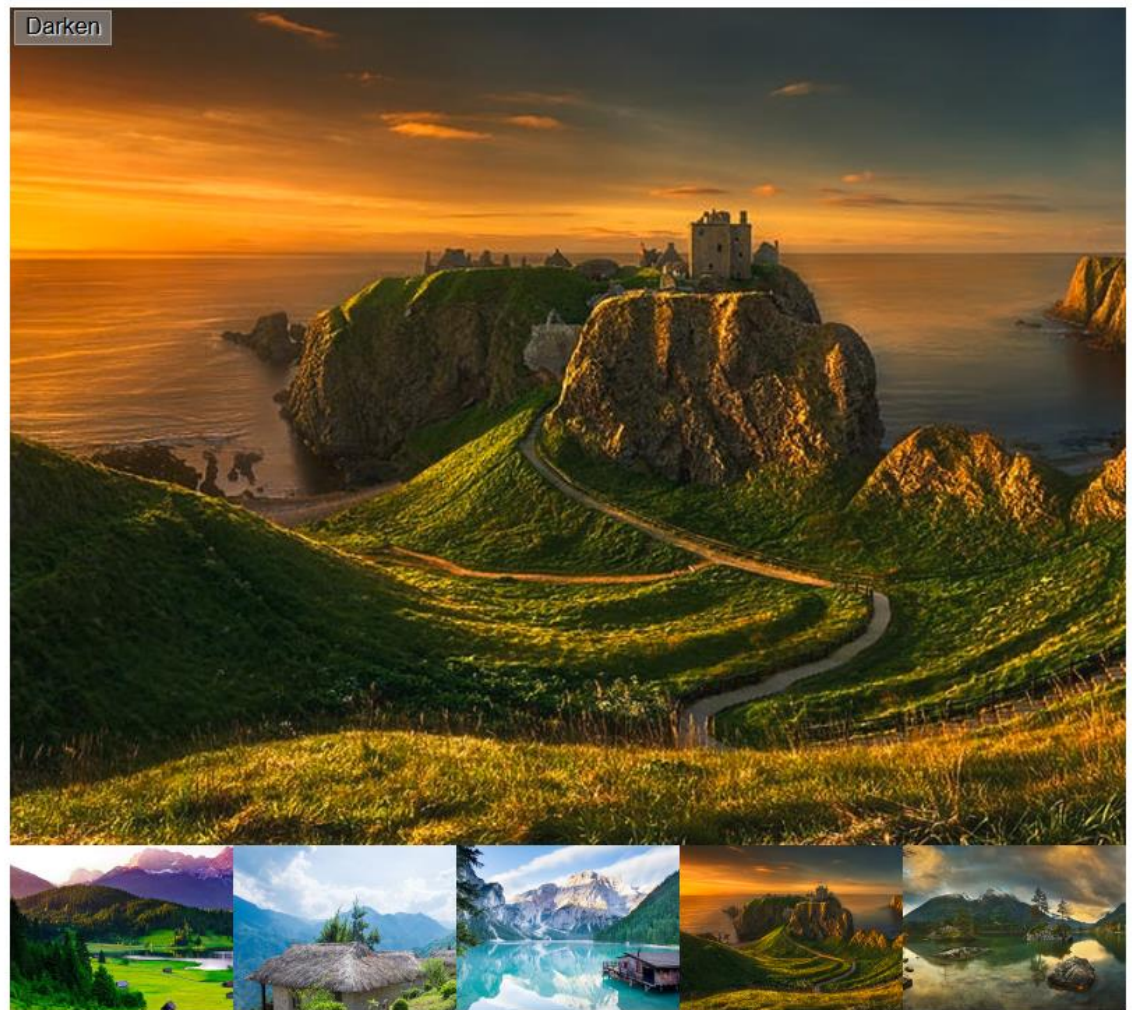
- b. Gắn sự kiện onclick vào mỗi trong thumb-bar <div> để khi chúng được ấn, thì hình ảnh tương ứng sẽ được hiển thị lên phần tử display-img .

```
//22520115
newImage.addEventListener('click', () => {
  displayedImage.setAttribute('src', newImage.getAttribute('src'));
});
```

Image gallery example



Image gallery example



- c. Gắn sự kiện onclick vào <button> để khi nó được ấn, thì hiệu ứng làm tối sẽ áp dụng lên hình ảnh. Khi nó được ấn lần nữa thì hiệu ứng làm tối sẽ mất đi.

```
// Darken/Lighten button 22520115|
btn.addEventListener('click', () => {
  const currentClass = btn.getAttribute('class');

  if (currentClass === 'dark') {
    btn.setAttribute('class', 'light');
    btn.textContent = 'Lighten';
    overlay.style.backgroundColor = 'rgba(0,0,0,0.5)';
  } else {
    btn.setAttribute('class', 'dark');
    btn.textContent = 'Darken';
    overlay.style.backgroundColor = 'rgba(0,0,0,0)';
  }
});
```

Image gallery example

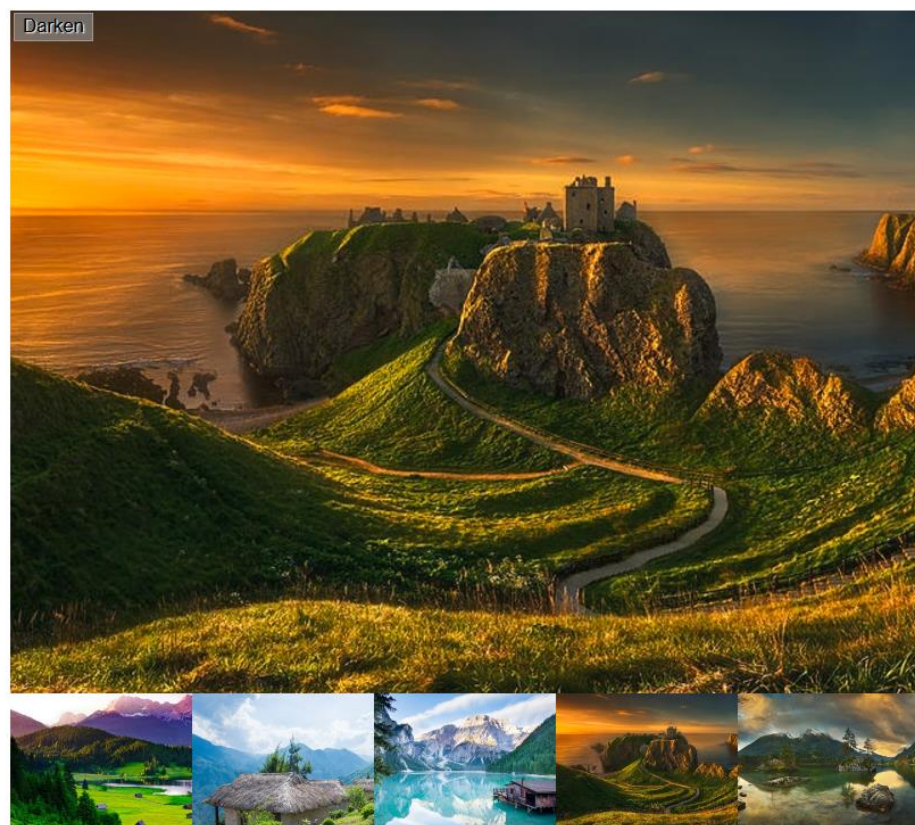


Image gallery example

