Defeat Fingerprint Sensor

There is definitely something fishy going on in Kringle Castle. It might be time to explore Santa's office for any information on the culprit.

Objective

Bypass the Santavator fingerprint sensor. Enter Santa's office without Santa's fingerprint.

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Difficulty: 3/5
```

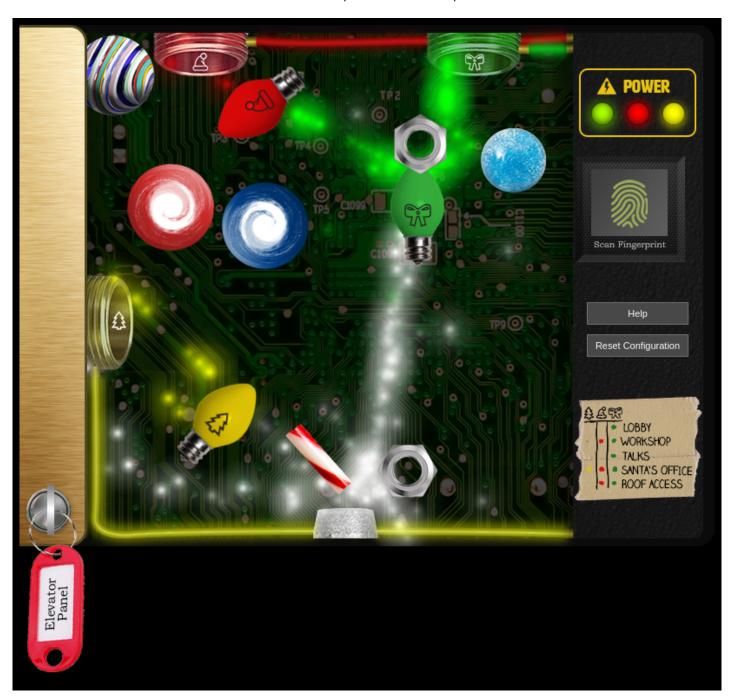
Solution

Looking at the code that runs the elevator, we see that btn4 (the button for **Santa's Office**) has a different function that handles click() events:

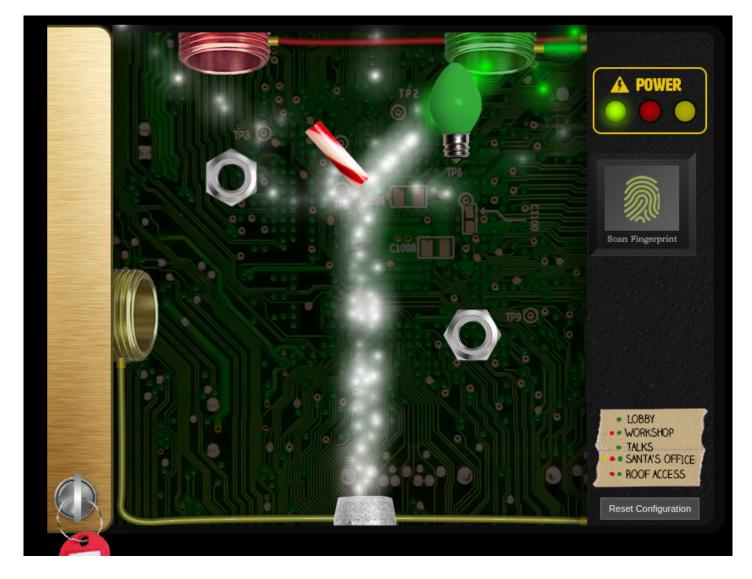
```
349
     const handleBtn4 = () => {
350
    const cover = document.querySelector('.print-cover');
       cover.classList.add('open');
351
352
353 cover.addEventListener('click', () => {
354
         if (btn4.classList.contains('powered') &&
355
     hasToken('besanta')) {
356
           $.ajax({
             type: 'POST',
357
358
              url: POST_URL,
359
              dataType: 'json',
360
             contentType: 'application/json',
361
              data: JSON.stringify({
362
               targetFloor: '3',
               id: getParams.id,
363
364
              }),
              success: (res, status) => {
365
               if (res.hash) {
366
367
                  __POST_RESULTS__( {
                    resourceId: getParams.id || '1111',
368
369
                    hash: res.hash,
370
                    action: 'goToFloor-3',
371
                  });
372
              }
373
374
            });
375
          } else {
376
            __SEND_MSG__({
             type: 'sfx',
377
378
              filename: 'error.mp3',
379
            });
380
381
       });
      };
```

Of particular note are the checks on line 5: a check to see that the button has a class <code>powered</code>, and that the user has a token <code>besanta</code>. Solving the <code>hasToken('besanta')</code> check is simple: the function <code>hasToken</code> checks for the existance of an item in the <code>tokens</code> list. In the <code>JavaScript</code> console, we can add <code>besanta</code> to <code>tokens</code> with <code>tokens.push('besanta')</code>.

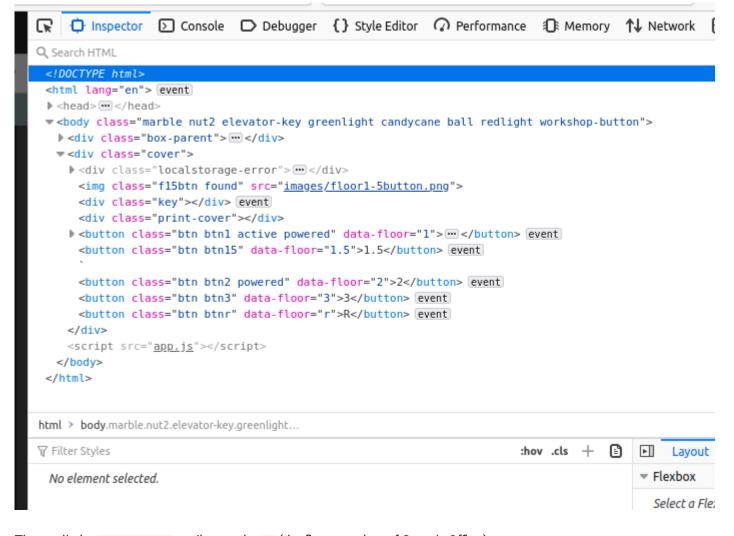
Solving the powered is a bit trickier. The powered class is added to the button by the function <code>renderTraps()</code>, called inside a continually-updating event loop for drawing the Sparkle Stream on the screen. Manually adding <code>powered</code> as a class to the button, or modifying the <code>powered[]</code> object in the JavaScript console results in the <code>powered</code> state being removed. One can build a rather convoluted method to split and color the Sparkle Stream:



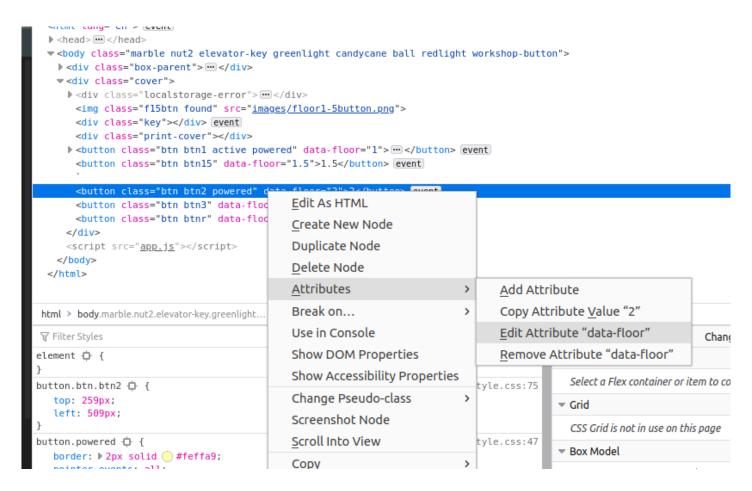
But there is a simpler solution: power a single receiver, such as the green one:



Then change what floor the button sends us to when it is clicked. Open the elevator panel, make sure the green receiver is powered, then open the Developer tools. In the Inspector tab, find the one of the buttons that has the powered class:



Then, edit the data_floor attribute to be 3 (the floor number of Santa's Office):



Click the modified button, and you'll be taken to Santa's Office.

Answer

Visit Santa's Office.