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Project 5: Creating a CV Screener In JavaScript | JavaScript Tutorial In Hindi #55

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Project 5: Creating a CV Screener In JavaScript | JavaScript Tutorial In Hindi #55

Let us start our 4th project, in which we will build the **"CV Screener"** in JavaScript. CV screening is the most common type of assessment. CV screening is the process of shortlisting candidates from their CVs based on their education, skills. In this project, we will generate random data, and to get the images of random people, we will use random user API. Here is the link: ***https://randomuser.me/***

The website we are going to build in this tutorial looks like the following:

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Setting Up the Project:-

For this project, we will use the VS Code. **Visual Studio Code** is a free and powerful source-code editor that runs on the desktop. If you have not installed the Visual Studio Code yet, then click on the link below for installation guidance:

https://codewithharry.com/videos/javascript-tutorials-in-hindi-1

1. Create a new project folder in VS Code.

2. Inside that project folder, create two empty new files: *index.html* and *index.js*.

The *index.html file* contains the HTML code. In this project, we are also using **Bootstrap**.

Bootstrap:-

Bootstrap is used for applying styling the user interface components. The easiest way to include Bootstrap is to add it from https://getbootstrap.com/docs/4.0 /getting-started/introduction/.

First add the following in the head section:

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
 integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">
```

Then include the following code in the body section, before the closing </body> tag:

```
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
 integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
 crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
```

Bootstrap also provides us many components that can be used to provide good user experience and user interactions in a web page like cards, navigation bars, dropdowns, icons, buttons, forms and also sizing options for different DOM elements.

Now we are done with introduction, let's start coding.

Code as described/written in the video

```html
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-ggOyR0iXC

    <title>Welcome to CV Screener</title>
  </head>
  <body>

    <div class="container">
        <div class="row">
            <div class="col-md-6 mx-auto text-center">
                <h1 class="my-3">Candidate Applications for Data Scientist Job</h1>
                <div id="image"></div>
                <br>
                <div id="profile"></div>
                <br>
                <button class="btn btn-primary btn-block" id="next"> Next</button>
            </div>
        </div>


    </div>


    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js" integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVph
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js" integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy
    <script src="index.js"></script>
  </body>
</html>
```

Code as described/written in the video

```javascript
console.log("This is my index.js");
// Data is an array of objects which contains information about the candidates
const data = [
    {
        name: 'Rohan Das',
        age: 18,
        city: 'Kolkata',
        language: 'Python',
        framework: 'Django',
        image: 'https://randomuser.me/api/portraits/men/51.jpg'
    },

    {
        name: 'Shubham Sharma',
        age: 28,
        city: 'Bangalore',
        language: 'JavaScript',
        framework: 'Angular',
        image: 'https://randomuser.me/api/portraits/men/54.jpg'
    },

    {
        name: 'Camella Cabello',
        age: 18,
        city: 'Kolkata',
        language: 'Python',
        framework: 'Django',
        image: 'https://randomuser.me/api/portraits/women/55.jpg'
    },

    {
        name: 'Aishwariya Rai',
        age: 45,
        city: 'Mumbai',
        language: 'Python',
```

```javascript
            framework: 'Flask',
            image: 'https://randomuser.me/api/portraits/women/57.jpg'
        },

        {
            name: 'Rohit Sharma',
            age: 34,
            city: 'Jharkhand',
            language: 'Go',
            framework: 'Go Framework',
            image: 'https://randomuser.me/api/portraits/men/61.jpg'
        }
    ]


// CV Iterator
function cvIterator(profiles){
    let nextIndex=0;
    return {
        next: function(){
            return nextIndex<profiles.length ?
            {value: profiles[nextIndex++], done: false} :
            {done: true}
        }
    };
}
const candidates = cvIterator(data);

nextCV();
// Button listener for next button
const next = document.getElementById('next');
next.addEventListener('click', nextCV);


function nextCV(){
    const currentCandidate = candidates.next().value;
    let image = document.getElementById('image');
    let profile = document.getElementById('profile');
```

```javascript
    if(currentCandidate != undefined){
    image.innerHTML = `<img src='${currentCandidate.image}'>`;
    profile.innerHTML = `<ul class="list-group">
    <li class="list-group-item">Name: ${currentCandidate.name}</li>
    <li class="list-group-item">${currentCandidate.age} years old</li>
    <li class="list-group-item">Lives in ${currentCandidate.city}</li>
    <li class="list-group-item">Primarily works on ${currentCandidate.language}</li>
    <li class="list-group-item">Uses ${currentCandidate.framework} framework</li>
</ul>`;
    }
    else{
        alert('End of candidate applications');
        window.location.reload();
    }

}
```

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