

Knauf Digital Frontend Exercise

This is a small coding task we want to use as a base for a possible technical interview with you. We don't expect you to spend more than two hours on this. Anyhow, hope you have a little bit of fun solving this.

Users By Website Top Level Domain					
.org	.net	.info	.biz	.io	.com
Name: Leanne Graham Username: Bret Website: hildgard.org	Name: Ervin Howell Username: Antonette Website: anastasia.net	Name: Clementine Bauch Username: Samantha Website: ramiro.info	Name: Patricia Lebsack Username: Karianne Website: kale.biz	Name: Kurtis Weissnat Username: Elwyn.Skiles Website: elvis.io	Name: Nicholas Runolfsdottir V Username: Maxime_Nienow Website: jacynthe.com
Name: Mrs. Dennis Schulist Username: Leopoldo_Corkery Website: ola.org	Name: Clementina DuBuque Username: Moriah.Stanton Website: ambrose.net	Name: Chelsey Dietrich Username: Kamren Website: demarco.info			Name: Glenna Reichert Username: Delphine Website: conrad.com

In above picture you see columns, six columns to be precise, and a bunch of green cards. Each column has also a title which seems to be a TLD. The heading says that this whole UI displays users by their website's TLD.

Now, here is the beginning of a possible solution:

```
const USERS_ENDPOINT = 'https://jsonplaceholder.typicode.com/users';

////////////////////////////////////
function renderColumn(title, users) {
  const columnDiv = document.createElement('div');
  columnDiv.classList.add('column');

  const h3 = document.createElement('h3');
  h3.textContent = title;
  columnDiv.appendChild(h3);

  users.forEach((user) => {
    const cardDiv = document.createElement('div');
    cardDiv.classList.add('card');

    const nameP = document.createElement('p');
    nameP.textContent = `Name: ${user.name}`;
    cardDiv.appendChild(nameP);

    const usernameP = document.createElement('p');
    usernameP.textContent = `Username: ${user.username}`;
    cardDiv.appendChild(usernameP);

    const websiteP = document.createElement('p');
    websiteP.textContent = `Website: ${user.website}`;
    cardDiv.appendChild(websiteP);

    columnDiv.appendChild(cardDiv);
  });

  const wrapperDiv = document.getElementById('wrapper');
  wrapperDiv.appendChild(columnDiv);
}
```

Consider `renderColumn` function as code written by a colleague of yours and as finished and tested. It should just work as is. You also see an HTTP end-point where we can get our data from, `USERS_ENDPOINT`.

Excercise

Please write the missing parts we need to get to above picture.

Suggestion:

1. Fetch the data from the end-point
2. Parse the fetched data
3. Render columns for each TLD from the user's "website" property

You may use this as CSS for getting a similar style as in above picture:

```
.container {
  width: 100%;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
}

p {
  margin: 5px;
}

h3 {
  margin-bottom: 5px;
}

#wrapper {
  display: flex;
  gap: 50px;
}

.column {
  display: flex;
  flex-direction: column;
  gap: 10px;
}

.card {
  border: 1px solid #00000022;
  border-radius: 5px;
  padding: 5px;
  background-color: #defaf0;
}
```

And this HTML:

```
<!DOCTYPE html>
<html lang="en">
<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>Frontend Exercise</title>
</head>
<body>
  <div class='container'>
    <h2>Users By Website Top Level Domain</h2>
    <div id='wrapper' />
  </div>
</body>
</html>
```

Notes

Although, we use TypeScript heavily for our day to day work, please use only vanilla JavaScript when solving this task. Also, we don't expect you to use a framework or a library for this task. Consider that your code should be executed in a web browser.

Please create and share your results in git repository and share them with us via a public hosting site of your liking, e.g., GitHub or GitLab.

Finally, please use your own writing. Do not use ChatGPT or any other generative models to solve this.