

Coding Task - React Native

Create a new React Native project using **TypeScript** (no Expo please) and add the following mock of an HTTP client to the project. This client should not be changed.

```
export type User = {
  readonly name: string,
  readonly age: number,
}

export class HttpClient {
  private static readonly users: User[] = [
    {
      name: "Matthew",
      age: 15,
    },
    {
      name: "Alexander",
      age: 32
    },
    {
      name: "Samuel",
      age: 22
    },
  ],
};

public static async fetchUsers(): Promise<User[]> {
  return Promise.resolve(HttpClient.users);
}
```

Your tasks are:

- Create a **reusable component** that can display the data from *ApiClient.fetchUsers()* as [a table-like list](#). The table should be designed to be **flexible when it comes to displaying** the data, for example: It should be possible to display a warning icon for users that are underage. The table should also be **sortable by every column provided**.
- Display your component on the initial page of the project and fetch the data on mount. Implement a **caching mechanism** using [Async Storage](#), so that the data is not fetched more than **once per hour** but loaded from cache instead.
- Write a few tests to make sure your caching mechanism works as intended (no UI tests).

Rules & things to consider:

- We expect you to use **function components**, as well as **hooks** where it makes sense.
- Try to structure your code in a way, as if this was a real world production scenario and the data from *ApiClient.fetchUsers()* needs to be accessible by other components as well.
- Don't spend too much time on UI/Design, as it is not the focus of the task.