

MVC exercise

For this exercise, we would like you to create an MVC application. The application will be consuming a REST service to display [users](https://jsonplaceholder.typicode.com/users) in a grid. When a user is clicked, this will link to the user's [album](https://jsonplaceholder.typicode.com/albums) of [photos](https://jsonplaceholder.typicode.com/photos). Similarly, the albums of that user will be displayed in a grid. Then, clicking an album will link to the user's photos in a grid.

The REST endpoints are:

- Users: <https://jsonplaceholder.typicode.com/users>
- Albums: <https://jsonplaceholder.typicode.com/albums>
- Photos: <https://jsonplaceholder.typicode.com/photos>

More information can be found at <https://jsonplaceholder.typicode.com/>

If you have any questions, please feel free to ask me at imran.dole@compacsort.com

In terms of code, we want to see best practice used. That is: SOLID principles, Inversion of Control, Unit Testing where possible, and in general clean code.

You may use any front-end libraries you are comfortable with. Don't worry too much about how the site looks.

The mock-up of the interface is shown on the following pages.

You may deliver us a packaged solution, or alternatively link us a github/bitbucket repository.

A user of the MVC site will be able to see a grid of users, which displays each of their names, usernames, and emails.

A user of the MVC site will click on a user box, and then it will take them to that user's albums.

Users

Name
Username
Email

Name
Username
Email

Name
Username
Email

Name
Username
Email

Name
Username
Email

Name
Username
Email

Name
Username
Email

Name
Username
Email

A user of the MVC site will be able to see a grid of a user's albums, which displays each album's title.

A user of the MVC site will click on an album box, and then it will take them to that user's photos.

Albums

Title

Title

Title

Title

Title

Title

A user of the MVC site will be able to see a grid of photos from the selected album, which displays a thumbnail of each photo.

A user of the MVC site will click on a thumbnail of the photo, and then it will display the full photo.

Photos

150×150

150×150

150×150

150×150

150×150

150×150

150×150

150×150

150×150