

Learner Assignment Submission Format

Learner Details

- **Name:**H O Akash
 - **Enrollment Number:**SU625MR015
 - **Batch / Class:**MERN Stack
 - **Assignment:** React JS
 - **Date of Submission:**01/08/2025
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Problem Solving Activity 1.1

1. Program Statement

Create a user card in a react application using javascript,windtailless and XML using randomuser API to fetch the data of the user and create two or more components to store the details of the person.

2. Algorithm

1. Import React library
 2. Define a functional component called UserCard
 3. Pass a user object as a prop to the UserCard component
 4. Display the user's picture using the src attribute of an img tag
 5. Display the user's name by concatenating the first and last properties of the name object
 6. Display the user's email using a p tag
 7. Display the user's location by concatenating the city and country properties of the location object
 8. Export the UserCard component as the default export
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3. Pseudocode

BEGIN

DEFINE UserCard component

INPUT user object

DISPLAY user picture


DISPLAY user name (first + last)

DISPLAY user email

DISPLAY user location (city + country)

END

4. Program Code



```
import React from 'react'

const UserCard = ({user}) => {

  return (

    <div>

      <img src={user.picture.large} alt={`${user.name.first}
${user.name.last}`}

        className="rounded-full w-24 h-24 mx-auto"/>

      <h2 className="text-lg font-semibold"
">{user.name.first}{user.name.last}</h2>

      <p>{user.email}</p>













      <p>{user.location.city},{user.location.country}</p>

    </div>
```

```
);  
};  
  
export default UserCard
```

6. Screenshots of Output

User Directory

 ElleErga elle.erga@example.com Røros,Norway	 TerriMcdonalid terri.mcdonalid@example.com Elko,United States	 ObrenPejić obren.pejic@example.com Priština,Serbia	 JochemSchütz jochem.schutz@example.com Stutensee,Germany
 WadeMeyer wade.meyer@example.com Lewiston,United States	 RyanMorris ryan.morris@example.com Lower Hutt,New Zealand	 MarijaMilovanović marija.milovanovic@example.com Bačka Palanka,Serbia	 LeaBélanger lea.belanger@example.com Maidstone,Canada
 BrennanRyan brennan.ryan@example.com Oxford,United Kingdom	 SanderThomsen sander.thomsen@example.com Billum,Denmark	 EdgarMills edgar.mills@example.com Kinsealy-Drinan,Ireland	 LiljaJarvinen lilja.jarvinen@example.com Kangasniemi,Finland

7. Observation / Reflection

The given React code is a simple functional component that displays a user's information in a card format. The code is well-structured and easy to understand. Here are some reflections:

- The code uses a functional component, which makes it easy to reuse and test.
- The code uses destructuring to extract the user object from the props, which makes the code more readable.

- The code uses template literals to concatenate the user's name and location, which makes the code more concise.
- The code uses a className attribute to style the component, which makes the code more maintainable.

Problem Solving Activity 1.2

Follow the same Structure as problem Solving Activity 1.1.

