Practice Problem 1

Write the code for an `Avatar` component in React that displays a user's profile picture if the `imgUrl` prop is provided. Otherwise, it should simply render the text of the component's `alt` prop.

Also include a `variant` prop that accepts one of three string values: `"circle"`, `"rounded"`, or `"square"`. Change the shape of the avatar based on the value of the `variant` prop using inline styles.

Here is an example of 3 avatars rendered with different `variant` props with no `imgUrl` provided:

Hint: `border-radius: 50%` is a circle and `border-radius: 8px` rounds corners.

```jsx
export default function Avatar({ imgUrl, alt, variant }) {
    let borderRadius = 0
    if (variant == "circle") {
        borderRadius = "50%"
    } else if (variant == "rounded") {
        borderRadius = "8px"
    }

    return <div style={{ borderRadius: borderRadius }}>
        {!!imgUrl ? <img src={imgUrl} alt={alt} />
            : <p>{alt}</p>}

    </div>
}
```

You need to worry about any other CSS styling (like block elements, centering, etc.). Just focus on the functionality described above.

Practice Problem 2

You are implementing the e-board feature for a club's SPA. Each e-board member has their own card that displays their name, title, and profile picture.

But there are several problems with this code. It just shows up as a blank when running the development server. Fix it so that it runs and that the <p> for title only renders if a title is given.

App:jsx:

```jsx
import Card from './Card'
export default function App() {

  return (

    <Card name="Priya Patel" initials="PP" title="President" />

    <Card name="Jamal Williams" initials="JW" imgUrl="/images/jamal.jpg" />

  );
}
```

Card:jsx:

```jsx
import Avatar from './Avatar'
export default function Card({name, initials, title, imgUrl}) {

  return (className
    <div className="card">

      <Avatar imgUrl={imgUrl} alt={initials} variant="circle" />

      <h3>{name}</h3>
      {!!title &&
      <p>Title: { title }</p>}

    </div>
  );
}
```