React js Component Creation

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Source Code:

Card Component : Card.js

```
import React from "react";
import PropTypes from "prop-types";
import styled from "styled-components";

const CardContainer = styled.div`
  border: 1px solid #ccc;
  border-radius: 5px;
  padding: 10px;
  margin: 10px;
  box-shadow: 0 2px 1000px rgba(0, 0, 0, 0.1);
  background-color: cyan;
  transition: box-shadow 0.3s ease;

  &:hover {
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
  }
`;

const Image = styled.img`
  width: 100%;
  height: auto;
  border-radius: 10px;
`;
```

```
const Title = styled.h3`
  color: #333;
`;

const Description = styled.p`
  color: #666;
`;

const Card = ({ title, description, image }) => {
  return (
    <CardContainer>
      {image && <Image src={image} alt={title} />}
      <Title>{title}</Title>
      <Description>{description}</Description>
    </CardContainer>
  );
};

Card.propTypes = {
  title: PropTypes.string.isRequired,
  description: PropTypes.string.isRequired,
  image: PropTypes.string,
};

export default Card;
```

Card.css:

```
.card-container {
    flex-shrink: 0;
    flex-grow: 0;
    width:300px;
    height:250px;
    display:flex;
    flex-direction: column;
    align-items: center;
    display: flex;
    flex-wrap: wrap;
    justify-content: space-between;
}
```

index.js:

```
export { default } from "./Card"
```

Button Component : Button.js

```javascript
import React from "react";
import PropTypes from "prop-types";
import styled from "styled-components";

const StyledButton = styled.button`
  background-color: ${(props) => props.backgroundColor || "#007bff"};
  color: ${(props) => props.color || "#fff"};
  border: none;
  border-radius: 10px;
  padding: 0px 0px;
  cursor: pointer;
  margin: 5px;
  transition: background-color 0.3s ease;

  &:hover {
    background-color: ${(props) => props.hoverBackgroundColor || "#0056b3"};
  }
`;

const Button = ({
  onClick,
  text,
  backgroundColor,
  color,
  hoverBackgroundColor,
}) => {
  return (
    <StyledButton
      onClick={onClick}
      backgroundColor={backgroundColor}
      color={color}
      hoverBackgroundColor={hoverBackgroundColor}
    >
      {text}
    </StyledButton>
  );
};
```

```
Button.propTypes = {
  onClick: PropTypes.func.isRequired,
  text: PropTypes.string.isRequired,
  backgroundColor: PropTypes.string,
  color: PropTypes.string,
  hoverBackgroundColor: PropTypes.string,
};

export default Button;
```

index.js:

```
export { default } from "./Button";
```

App Component : App.js

```
import React from "react";
import Card from "./components/Card";
import Button from "./components/Button";
import "./Card.css";
import "./App.css";

const App = () => {
  const handleButtonClick = () => {
    alert("Welcome to Bikes world");
  };

  return (
    <div className="app-container">
      <h1></h1>
      <div className="card-container">
        <Card
          title="Royal Enfield Hunter 350"
          description="Price: 1,50,000"
          image="https://imgd.aeplcdn.com/1056x594/n/bw/models/colors/royal-
enfield-select-model-rebel-blue-1668160495860.jpg?q=80"
        />
        <Card
          title="Yamaha MT 15"
          description="Price: 1,70,000"
          image="https://imgd.aeplcdn.com/664x374/n/cw/ec/115871/mt-15-v2-right-
front-three-quarter-3.jpeg?isig=0&q=80"
        />
```

```
      <Card
        title="TVS Apache RTR 160"
        description="Price: 1,20,000"
        image="https://motobike.in/wp-content/uploads/2020/10/TVS-Apache-RTR-
160-4V-Racing-Red.jpg"
      />
      <Card
        title="Yamaha R15 V4"
        description="Price: 1,90,000"
        image="https://images.ctfassets.net/uwf0n1j71a7j/63FFqeJM4vIS7KwFvzaC8x
/bb90b788704a15d4786b9e40df041fb0/yamaha-r15-v4-bike-
insurance.png?fm=webp&w=800&q=75"
      />
      <Card
        title="Bajaj Pulsar"
        description="Price: 1,71,783"
        image="https://5.imimg.com/data5/SELLER/Default/2021/10/XR/LI/YW/374246
72/bajaj-pulsar-ns-160-bs6--500x500.jpg"
      />
      <Card
        title="Honda Shine"
        description="Price: 82,000"
        image="https://images.ctfassets.net/uwf0n1j71a7j/nrvcVV4r13DD5Pvyv9Df0/
68ff8ac6449af48feacd540c1b871307/honda-two-wheeler-
insurance.png?fm=webp&w=800&q=75"
      />
      <Card
        title="Yamaha FZ FI"
        description="Price: 1,16,000"
        image="https://images.ctfassets.net/uwf0n1j71a7j/2YO8B8pCinTtWRX08otoo/
040fed4a38a59e6d64468301bf8ed799/Yamaha_FZ-S.png?fm=webp&w=800&q=75"
      />
      <Card
        title="Bajaj Pulsar N160"
        description="Price: 1,28,000"
        image="https://images.ctfassets.net/uwf0n1j71a7j/4DEhVzwyKvZbBGiEsWr6wE
/a991560b3ce457efb57a67db60ede967/bajaj-pulsar-n160-bike-
insurance.png?fm=webp&w=800&q=75"
      />
      <Card
        title="Royal Enfield Bullet 350"
        description="Price: 3,00,000"
        image="https://imgd.aeplcdn.com/664x374/n/cw/ec/127499/bullet-350-next-
gen-right-front-three-quarter.png?isig=0&q=80"
      />
```

```jsx
        <Card
          title="Kawasaki Z650"
          description="Price: 6,65,000"
          image="https://imgd.aeplcdn.com/664x374/n/cw/ec/100265/z650-right-
front-three-quarter-4.png?isig=0&q=80"
        />
        <Card
          title="Harley-Davidson Iron 883"
          description="Price: 11,97,000"
          image="https://imgd.aeplcdn.com/664x374/n/cw/ec/57829/left-side-
view.jpeg?q=80"
        />
        <Card
          title="Suzuki RM Z250"
          description="7,09,000"
          image="https://www.globalsuzuki.com/motorcycle/smgs/products/2021rm-
z250/images/rm-z250m1_aggressive_styling.png?crc=357733604"
        />
      </div>

      <Button onClick={handleButtonClick} />
    </div>
  );
};

export default App;
```

App.css:

```css
.App {
  text-align: center;
}

.App-logo {
  height: 40vmin;
  pointer-events: none;
}

@media (prefers-reduced-motion: no-preference) {
  .App-logo {
    animation: App-logo-spin infinite 20s linear;
  }
}

.App-header {
  background-color: #282c34;
```

```css
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  font-size: calc(10px + 2vmin);
  color: white;
}

.App-link {
  color: #61dafb;
}

@keyframes App-logo-spin {
  from {
    transform: rotate(0deg);
  }
  to {
    transform: rotate(360deg);
  }
}

.app-container {
  background-color: white;
  background-size: cover;
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: left;
  justify-content: center;
  color: #0a0a0a;
}
```