



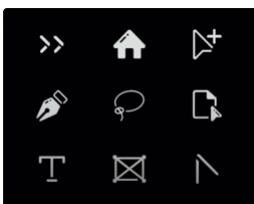
Search...

Ctrl+K



Card

Cards contain content and actions about a single subject.



Design and Development tips in your inbox. Every weekday.

ads via Carbon

[View as Markdown](#)[Feedback](#)[Bundle size](#)[Source](#)[Material Design](#)[Figma](#)[Sketch](#)

Introduction



Cards are surfaces that display content and actions on a single topic. The Material UI Card component includes several complementary utility components to handle various use cases:

- Card: a surface-level container for grouping related components.
- Card Content: the wrapper for the Card content.
- Card Header: an optional wrapper for the Card header.
- Card Media: an optional container for displaying images, videos, etc.
- Card Actions: an optional wrapper that groups a set of buttons.
- Card Action Area: an optional wrapper that allows users to interact with the specified area of the Card.

Word of the Day

be·nev·o·lent

adjective

well meaning and kindly.
"a benevolent smile"

[LEARN MORE](#)

[Edit in Chat](#)[JS](#)[TS](#)[Hide code](#)

```

import Box from '@mui/material/Box';
import Card from '@mui/material/Card';
import CardActions from '@mui/material/CardActions';
importCardContent from '@mui/material/CardContent';
import Button from '@mui/material/Button';
import Typography from '@mui/material/Typography';

const bull = (
  <Box
    component="span"
    sx={{ display: 'inline-block', mx: '2px', transform: 'scale(0.8)' }}
  >
  •
  </Box>
);

export default function BasicCard() {
  return (
    <Card sx={{ minWidth: 275 }}>
      <CardContent>
        <Typography gutterBottom sx={{ color: 'text.secondary', fontSize: 14 }}>
          Word of the Day
        </Typography>
        <Typography variant="h5" component="div">
          be{bull}nev{bull}o{bull}lent
        </Typography>
        <Typography sx={{ color: 'text.secondary', mb: 1.5 }}>adjective</Typography>
        <Typography variant="body2">
          well meaning and kindly.
        <br />
        {"a benevolent smile"}
      </CardContent>
      <CardActions>
        <Button size="small">Learn More</Button>
      </CardActions>
    </Card>
  );
}

```

Basics

```

import Card from '@mui/material/Card';
importCardContent from '@mui/material/CardContent';

```

[Copy](#)

- ✓ Although cards can support multiple actions, UI controls, and an overflow menu, use restraint and remember that cards are meant to be entry points to more complex and detailed information.

Outlined Card

[+](#)

Set `variant="outlined"` to render an outlined card.

Word of the Day

be·nev·o·lent

adjective

well meaning and kindly.
"a benevolent smile"

[LEARN MORE](#)

[Collapse code](#)

[Edit in Chat](#)

JS

TS



```
import * as React from 'react';
import Box from '@mui/material/Box';
import Card from '@mui/material/Card';
import CardActions from '@mui/material/CardActions';
importCardContent from '@mui/material/CardContent';
import Button from '@mui/material/Button';
import Typography from '@mui/material/Typography';

const bull = (
  <Box
    component="span"
    sx={{ display: 'inline-block', mx: '2px', transform: 'scale(0.8)' }}
  >
  •
  </Box>
);

const card = (
<React.Fragment>
  <CardContent>
    <Typography gutterBottom sx={{ color: 'text.secondary', fontSize: 14 }}>
      Word of the Day
    </Typography>
    <Typography variant="h5" component="div">
      be{bull}nev{o}{bull}lent
    </Typography>
    <Typography sx={{ color: 'text.secondary', mb: 1.5 }}>adjective</Typography>
    <Typography variant="body2">
      well meaning and kindly.
      <br />
      {"a benevolent smile"}
    </Typography>
  </CardContent>
  <CardActions>
    <Button size="small">Learn More</Button>
  </CardActions>
</React.Fragment>
);
```

Complex Interaction

+

On desktop, card content can expand. (Click the downward chevron to view the recipe.)

R Shrimp and Chorizo Paella September 14, 2016 ::



This impressive paella is a perfect party dish and a fun meal to cook together with your guests. Add 1 cup of frozen peas along with the mussels, if you like.

▼

Heart Share

Edit in Chat

JS

TS

Hide code



```
import * as React from 'react';
import { styled } from '@mui/material/styles';
import Card from '@mui/material/Card';
import CardHeader from '@mui/material/CardHeader';
import CardMedia from '@mui/material/CardMedia';
import CardContent from '@mui/material/CardContent';
import CardActions from '@mui/material/CardActions';
import Collapse from '@mui/material/Collapse';
import Avatar from '@mui/material/Avatar';
import IconButton, { IconButtonProps } from '@mui/material/IconButton';
import Typography from '@mui/material/Typography';
import { red } from '@mui/material/colors';
import FavoriteIcon from '@mui/icons-material/Favorite';
import ShareIcon from '@mui/icons-material/Share';
import ExpandMoreIcon from '@mui/icons-material/ExpandMore';
import MoreVertIcon from '@mui/icons-material/MoreVert';

interface ExpandMoreProps extends IconButtonProps {
  expand: boolean;
}
```

```
const ExpandMore = styled((props: ExpandMoreProps) => {
  const { expand, ...other } = props;
  return <IconButton {...other} />;
})(({ theme }) => ({
  marginLeft: 'auto',
  transition: theme.transitions.create('transform', {
    duration: theme.transitions.duration.shortest,
  }),
  variants: [
    {
      props: ({ expand }) => !expand,
      style: {
        transform: 'rotate(0deg)',
      },
    },
    {
      props: ({ expand }) => expand,
      style: {
        transform: 'rotate(180deg)',
      },
    },
  ],
});
```

Media

Example of a card using an image to reinforce the content.



Lizard

Lizards are a widespread group of squamate reptiles, with over 6,000 species, ranging across all continents except Antarctica

[SHARE](#) [LEARN MORE](#)

[Edit in Chat](#)

[JS](#) [TS](#)

[Hide code](#)

```
import Card from '@mui/material/Card';
import CardActions from '@mui/material/CardActions';
import CardContent from '@mui/material/CardContent';
import CardMedia from '@mui/material/CardMedia';
import Button from '@mui/material/Button';
import Typography from '@mui/material/Typography';

export default function MediaCard() {
  return (
    <Card sx={{ position: 'relative' }}>
      <CardMedia
        component="img"
        alt="A close-up photograph of a green iguana's head and upper body, resting on a green leaf. The lizard has a bright green color with distinct white stripes along its back and a spiny crest running down its neck and back."/>
      <CardContent>
        <h3>Lizard</h3>
        <p>Lizards are a widespread group of squamate reptiles, with over 6,000 species, ranging across all continents except Antarctica</p>
        <Button href="#">Learn More</Button>
      </CardContent>
      <CardActions>
        <Button href="#">Share</Button>
        <Button href="#">Save</Button>
      </CardActions>
    </Card>
  );
}
```

```

<Card sx={{ maxWidth: 345 }}>
  <CardMedia
    sx={{ height: 140 }}
    image="/static/images/cards/contemplative-reptile.jpg"
    title="green iguana"
  />
  <CardContent>
    <Typography gutterBottom variant="h5" component="div">
      Lizard
    </Typography>
    <Typography variant="body2" sx={{ color: 'text.secondary' }}>
      Lizards are a widespread group of squamate reptiles, with over 6,000
      species, ranging across all continents except Antarctica
    </Typography>
  </CardContent>
  <CardActions>
    <Button size="small">Share</Button>
    <Button size="small">Learn More</Button>
  </CardActions>
</Card>
);
}

```

By default, we use the combination of a `<div>` element and a *background image* to display the media. It can be problematic in some situations, for example, you might want to display a video or a responsive image. Use the `component` prop for these use cases:



Lizard

Lizards are a widespread group of squamate reptiles, with over 6,000 species, ranging across all continents except Antarctica

[SHARE](#) [LEARN MORE](#)

[Edit in Chat](#)

[JS](#) [TS](#)

[Hide code](#)

```

import Card from '@mui/material/Card';
import CardActions from '@mui/material/CardActions';
import CardContent from '@mui/material/CardContent';

```

```
import CardMedia from '@mui/material/CardMedia';
import Button from '@mui/material/Button';
import Typography from '@mui/material/Typography';

export default function ImgMediaCard() {
  return (
    <Card sx={{ maxWidth: 345 }}>
      <CardMedia
        component="img"
        alt="green iguana"
        height="140"
        image="/static/images/cards/contemplative-reptile.jpg"
      />
      <CardContent>
        <Typography gutterBottom variant="h5" component="div">
          Lizard
        </Typography>
        <Typography variant="body2" sx={{ color: 'text.secondary' }}>
          Lizards are a widespread group of squamate reptiles, with over 6,000
          species, ranging across all continents except Antarctica
        </Typography>
      </CardContent>
      <CardActions>
        <Button size="small">Share</Button>
        <Button size="small">Learn More</Button>
      </CardActions>
    </Card>
  );
}
```

Primary action



Often a card allow users to interact with the entirety of its surface to trigger its main action, be it an expansion, a link to another screen or some other behavior. The action area of the card can be specified by wrapping its contents in a `CardActionArea` component.



Lizard

Lizards are a widespread group of squamate reptiles, with over 6,000 species, ranging across all continents except Antarctica

[Edit in Chat](#)

JS

TS

[Hide code](#)

```
import Card from '@mui/material/Card';
import CardContent from '@mui/material/CardContent';
import CardMedia from '@mui/material/CardMedia';
import Typography from '@mui/material/Typography';
import CardActionArea from '@mui/material/CardActionArea';

export default function ActionAreaCard() {
  return (
    <Card sx={{ maxWidth: 345 }}>
      <CardActionArea>
        <CardMedia
          component="img"
          height="140"
          image="/static/images/cards/contemplative-reptile.jpg"
          alt="green iguana"
        />
        <CardContent>
          <Typography gutterBottom variant="h5" component="div">
            Lizard
          </Typography>
          <Typography variant="body2" sx={{ color: 'text.secondary' }}>
            Lizards are a widespread group of squamate reptiles, with over 6,000
            species, ranging across all continents except Antarctica
          </Typography>
        </CardContent>
      </CardActionArea>
    </Card>
  );
}
```

A card can also offer supplemental actions which should stand detached from the main action area in order to avoid event overlap.



Lizard

Lizards are a widespread group of squamate reptiles, with over 6,000 species, ranging across all continents except Antarctica

[SHARE](#)

[Edit in Chat](#)

JS

TS

[Hide code](#)



```
import Card from '@mui/material/Card';
import CardContent from '@mui/material/CardContent';
import CardMedia from '@mui/material/CardMedia';
import Typography from '@mui/material/Typography';
import Button from '@mui/material/Button';
import CardActionArea from '@mui/material/CardActionArea';
import CardActions from '@mui/material/CardActions';

export default function MultiActionAreaCard() {
  return (
    <Card sx={{ maxWidth: 345 }}>
      <CardActionArea>
        <CardMedia
          component="img"
          height="140"
          image="/static/images/cards/contemplative-reptile.jpg"
          alt="green iguana"
        />
        <CardContent>
          <Typography gutterBottom variant="h5" component="div">
            Lizard
          </Typography>
          <Typography variant="body2" sx={{ color: 'text.secondary' }}>
            Lizards are a widespread group of squamate reptiles, with over 6,000
            species, ranging across all continents except Antarctica
          </Typography>
        </CardContent>
      <CardActionArea>
        <CardActions>
          <Button size="small" color="primary">
            Share
          </Button>
        </CardActions>
      </CardActionArea>
    </Card>
```

```
)  
}
```

UI Controls



Supplemental actions within the card are explicitly called out using icons, text, and UI controls, typically placed at the bottom of the card.

Here's an example of a media control card.

Live From Space

Mac Miller

◀ ▶ ▶

A red album cover for 'Live From Space' by Mac Miller. It features a collage of various images, including a portrait of Mac Miller, a flag, and other abstract elements. The title 'LIVE FROM SPACE' is at the top, and 'MAC MILLER' is in the center.

Edit in Chat JS TS

Hide code ⚡ 📦 🔗 ⚙️ 🕒 ⋮

```
import { useTheme } from '@mui/material/styles';
import Box from '@mui/material/Box';
import Card from '@mui/material/Card';
import CardContent from '@mui/material/CardContent';
import CardMedia from '@mui/material/CardMedia';
import IconButton from '@mui/material/IconButton';
import Typography from '@mui/material/Typography';
import SkipPreviousIcon from '@mui/icons-material/SkipPrevious';
import PlayArrowIcon from '@mui/icons-material/PlayArrow';
import SkipNextIcon from '@mui/icons-material/SkipNext';

export default function MediaControlCard() {
  const theme = useTheme();

  return (
    <Card sx={{ display: 'flex' }}>
      <Box sx={{ display: 'flex', flexDirection: 'column' }}>
        <CardContent sx={{ flex: '1 0 auto' }}>
          <Typography component="div" variant="h5">
            Live From Space
          </Typography>
          <Typography
            variant="subtitle1"
            component="div"
            sx={{ color: 'text.secondary' }}
          >
            Mac Miller
          </Typography>
        <CardContent>
      <Box sx={{ flex: '0 0 auto' }}>
        <IconButton size="large" aria-label="Skip previous" sx={{ width: 48, height: 48 }}>
          <SkipPreviousIcon />
        </IconButton>
        <IconButton size="large" aria-label="Play" sx={{ width: 48, height: 48 }}>
          <PlayArrowIcon />
        </IconButton>
        <IconButton size="large" aria-label="Skip next" sx={{ width: 48, height: 48 }}>
          <SkipNextIcon />
        </IconButton>
      </Box>
    </Card>
  );
}
```

```
</CardContent>
<Box sx={{ display: 'flex', alignItems: 'center', pl: 1, pb: 1 }}>
  <IconButton aria-label="previous">
    {theme.direction === 'rtl' ? <SkipNextIcon /> : <SkipPreviousIcon />}
  </IconButton>
  <IconButton aria-label="play/pause">
    <PlayArrowIcon sx={{ height: 38, width: 38 }} />
  </IconButton>
  <IconButton aria-label="next">
    {theme.direction === 'rtl' ? <SkipPreviousIcon /> : <SkipNextIcon />}
  </IconButton>
</Box>
```

Active state styles

To customize a Card's styles when it's in an active state, you can attach a `data-active` attribute to the Card Action Area component and apply styles with the `&[data-active]` selector, as shown below:

Plants

Plants are essential for all life.

Animals

Animals are a part of nature.

Humans

Humans depend on plants and animals for survival.

 Edit in Chat

JS

TS

Hide code



```
import * as React from 'react';
import Box from '@mui/material/Box';
import Card from '@mui/material/Card';
import CardContent from '@mui/material/CardContent';
import Typography from '@mui/material/Typography';
import CardActionArea from '@mui/material/CardActionArea';

const cards = [
  {
    id: 1,
    title: 'Plants',
    description: 'Plants are essential for all life.',
  },
  {
    id: 2,
    title: 'Animals',
    description: 'Animals are a part of nature.',
  },
  {
    id: 3,
    title: 'Humans',
    description: 'Humans depend on plants and animals for survival.',
  },
];

function SelectActionCard() {
```

```
const [selectedCard, setSelectedCard] = React.useState(0);
return (
  <Box
    sx={{
      width: '100%',
      display: 'grid',
      gridTemplateColumns: 'repeat(auto-fill, minmax(min(200px, 100%), 1fr))',
      gap: 2,
    }}
  >
  {cards.map((card, index) => (
    <Card key={card.id}>
```

 If you are looking for inspiration, you can check [MUI Treasury's customization examples](#).

API



See the documentation below for a complete reference to all of the props and classes available to the components mentioned here.

- [`<Card />`](#)
- [`<CardActionArea />`](#)
- [`<CardActions />`](#)
- [`<CardContent />`](#)
- [`<CardHeader />`](#)
- [`<CardMedia />`](#)
- [`<Collapse />`](#)
- [`<Paper />`](#)

 [Edit this page](#)

Was this page helpful?  

[`< AppBar`](#)

[`> Paper`](#)