Front-End Development

Material-UI

Google's Material Design on React

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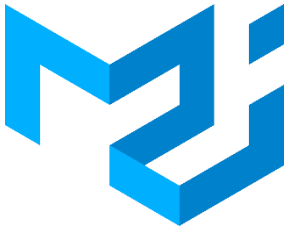

Material-UI

- ***Material-UI*** is a set of React components that implement Google's Material Design specification.
- ***Material-UI*** components work in isolation. They are self-supporting, and will inject, and only inject, the styles they need to display. They don't rely on any global style-sheets such as normalize.css, although Material-UI does provide an optional CssBaseline component.
- More info: *material-ui.com*

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Setup

- On our React project, Install:

```
$ npm install @material-ui/core
$ npm install @material-ui/icons
```

- Material-UI was designed with Google Web Fonts, so type codes below on `index.html`, inside `<head>` tag:

```
<link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Roboto:
300,400,500">

<link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=
Material+Icons">
```

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Button #1

```
import React, { Component } from 'react';
import Button from '@material-ui/core/Button';

class App extends Component{
 render() {
  return (
   <div>
    <Button variant="raised" color="primary">
      Halo Dunia!
    </Button>
   </div>
  )
 }
}

export default App;
```

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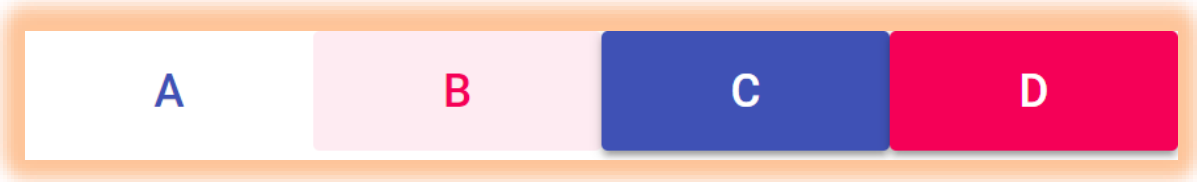
Button #2

```
. . . . . .
<Button size="small" color="primary">
      A
</Button>
<Button size="large" color="secondary">
      B
</Button>
<Button variant="raised" color="primary">
      C
</Button>
<Button variant="raised" color="secondary">
      D
</Button>
. . . . . .
```



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Icon

```
import Icon
from '@material-ui/core/Icon';

. . . . . .

<Icon>thumb_up</Icon>

<Icon>backup</Icon>

<Icon color="primary">
   android
</Icon>

<Icon color="secondary">
   face
</Icon>

. . . . . .
```

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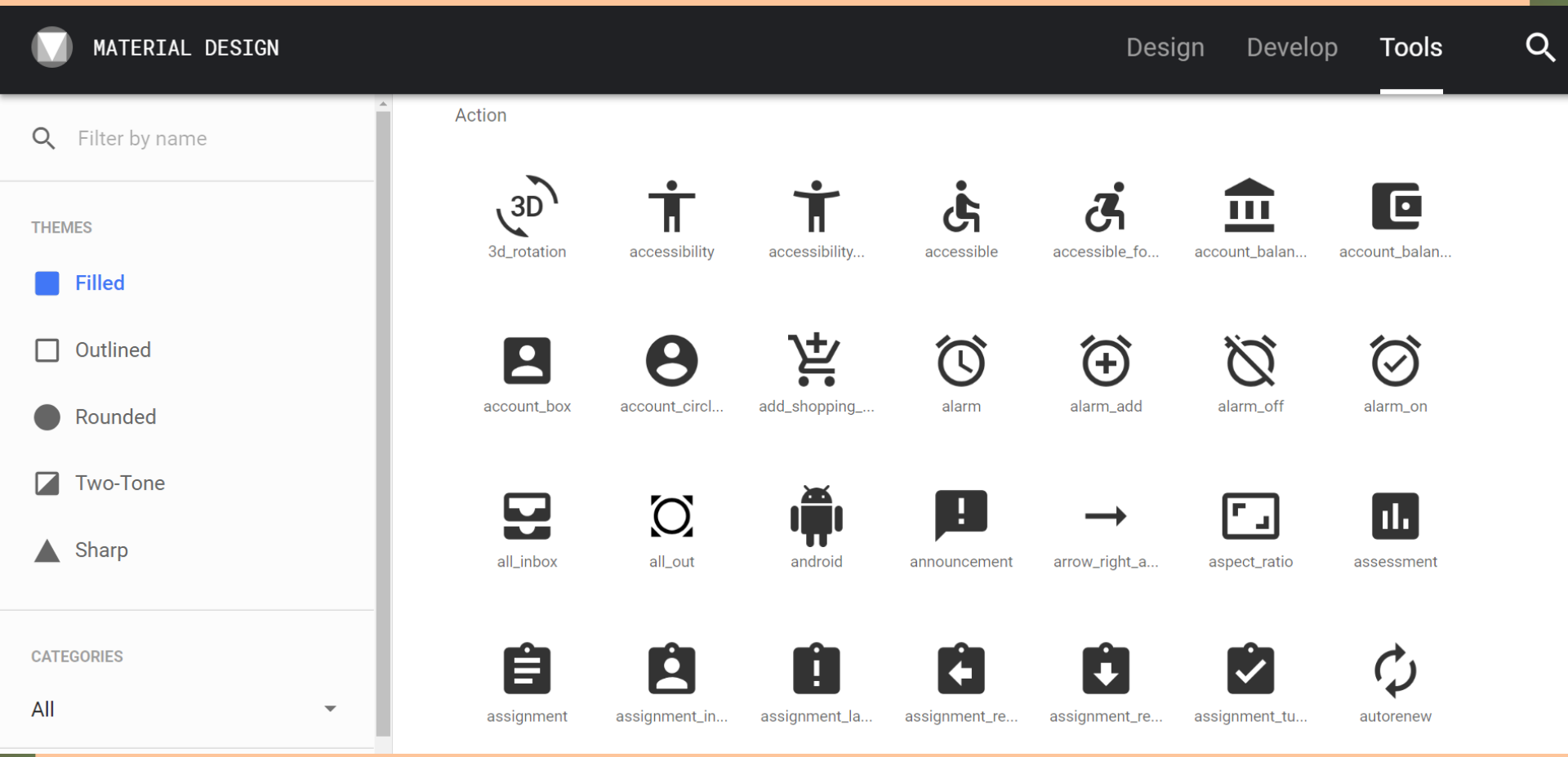
https://material.io/tools/icons



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Icon Button

```
import Icon from '@material-ui/core/Icon';
import IconButton
from '@material-ui/core/IconButton';

. . . . . .

<IconButton color="primary">
      <Icon>delete</Icon>
</IconButton>

<IconButton color="secondary">
      <Icon>alarm</Icon>
</IconButton>

. . . . . .
```

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Avatar

```
import Avatar from '@material-ui/core/Avatar';

. . . . . .

   <Avatar
   alt="Lionel Messi"
   src="https:.../Messi.png"
   />

   <Avatar
   alt="Lintang"
   src={require('./img/lin.png')}
   />

. . . . . .
```

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```
import Input from '@material-ui/core/Input';
import InputLabel from '@material-ui/core/InputLabel';
import FormControl from '@material-ui/core/FormControl';

. . . . . .

<FormControl>
  <InputLabel htmlFor="inputnama">Nama</InputLabel>
  <Input id="inputnama" onChange={()=>{}} />
</FormControl>

<br/>

<FormControl>
  <InputLabel htmlFor="inputusia">Usia</InputLabel>
  <Input id="inputusia" onChange={()=>{}} />
</FormControl>

. . . . . .
```

Text Field

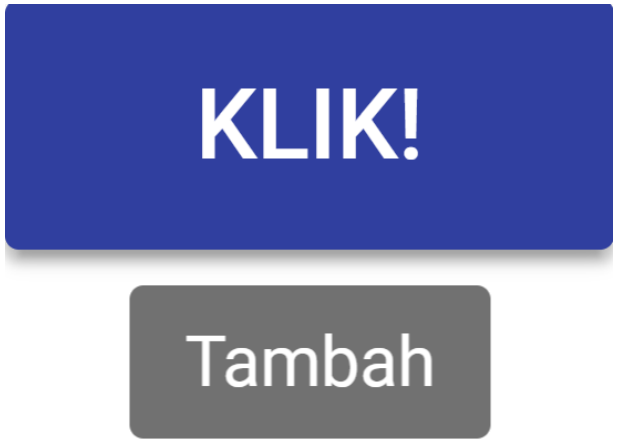
Tooltip

```
import Button from '@material-ui/core/Button';
import Tooltip from '@material-ui/core/Tooltip';

. . . . . .

<Tooltip title="Tambah">
  <Button variant="raised" color="primary">
    Klik!
  </Button>
</Tooltip>

. . . . . .
```



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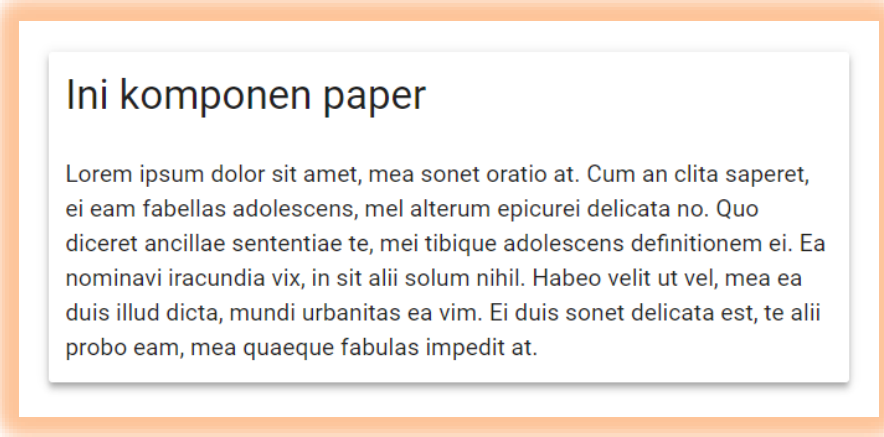
Typography

```
import Typography from '@material-ui/core/Typography';

. . . . . .

<Typography variant="display4">
        Display 4
</Typography>
<Typography variant="display3">
        Display 3
</Typography>
<Typography variant="display2">
        Display 2
</Typography>
<Typography variant="display1">
        Display 1
</Typography>

. . . . . .
```

display1, display2, display3, display4, headline, title, button, subheading, body1, body2, caption,

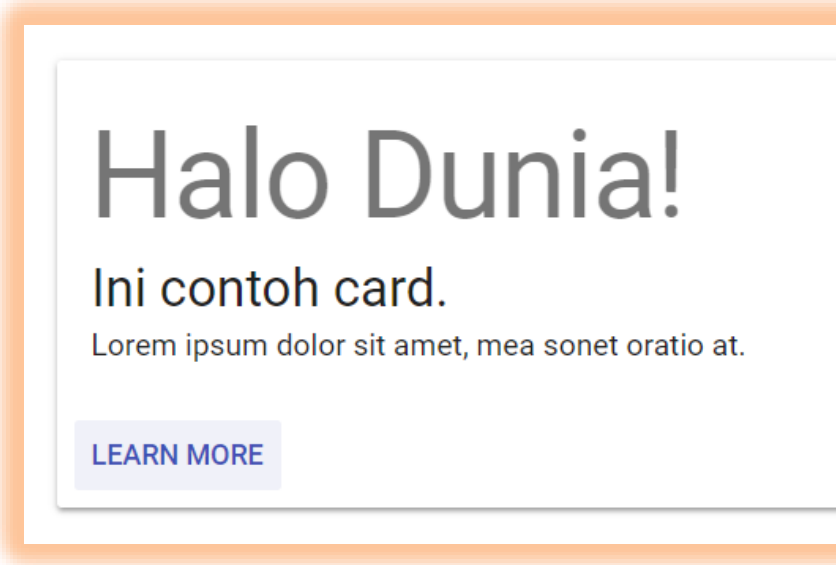
Paper

```
import Paper from '@material-ui/core/Paper';
import Typography from '@material-ui/core/Typography';

. . . . . .

<Paper elevation={4}>
  <Typography variant="headline" component="h3"
   style={{padding:'10px'}}>
      Ini komponen paper
  </Typography>
  <Typography component="p"
   style={{padding:'10px'}}>
      Lorem ipsum…
  </Typography>
</Paper>

. . . . . .
```



Simple Card #1

```
import Card from
'@material-ui/core/Card';

import CardActions from
'@material-ui/core/CardActions';

import CardContent from
'@material-ui/core/CardContent';

import Button from
'@material-ui/core/Button';

import Typography from
'@material-ui/core/Typography';

. . . . . .
```



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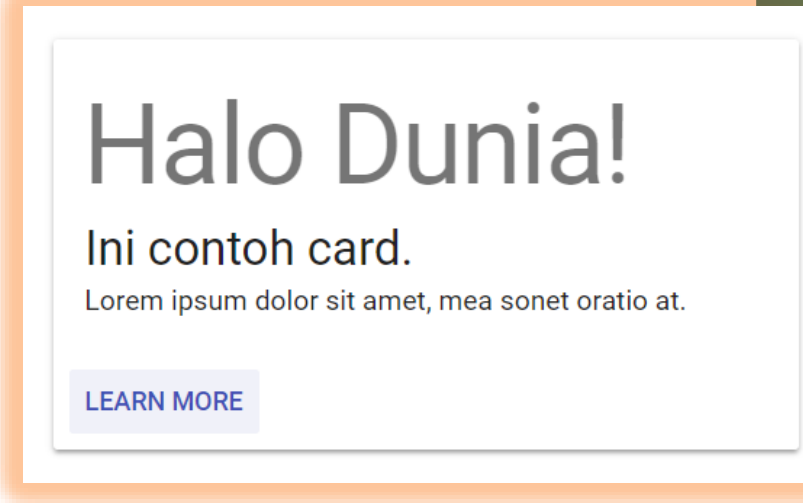
Simple Card #2

```
. . . . . .
<Card>
 <CardContent>
  <Typography variant="display3">
     Halo Dunia!
  </Typography>
  <Typography variant="headline"
   component="h2">
     Ini contoh card.
  </Typography>
  <Typography component="p">
     Lorem ipsum...
  </Typography>
 </CardContent>

 <CardActions>
  <Button size="small" color="primary">
     Learn More
  </Button>
 </CardActions>
</Card>

. . . . . .
```



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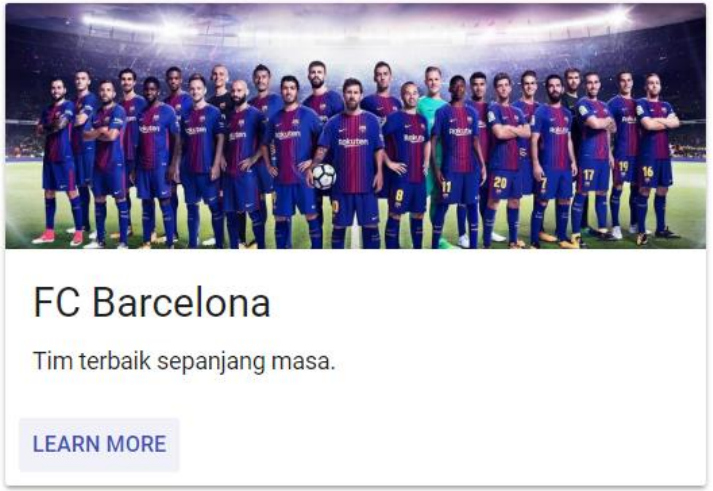
Media Card #1

```
import Card from
'@material-ui/core/Card';

import CardActions from
'@material-ui/core/CardActions';

import CardContent from
'@material-ui/core/CardContent';

import CardMedia from
'@material-ui/core/CardMedia';

import Button from
'@material-ui/core/Button';

import Typography from
'@material-ui/core/Typography';

. . . . . .
```



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Media Card #2

```
. . . . . .
<Card>
 <CardMedia
  style={{height: 0, paddingTop: '35%'}}
  image='https:.../barca.jpg'
  title="Barcelona"/>
 <CardContent>
   <Typography variant="headline" component="h2">
     FC Barcelona
   </Typography>
   <Typography component="p">
     Tim terbaik sepanjang masa.
   </Typography>
 </CardContent>
 <CardActions>
   <Button size="small"
    color="primary">
     Learn More
   </Button>
 </CardActions>
</Card>
. . . . . .
```

FC Barcelona

Tim terbaik sepanjang masa.

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