

Material UI ToolBar

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Material-UI is a user interface library that provides predefined and customizable React components for faster and easy web development, these Material-UI components are based on top of Material Design by Google. In this article let's discuss the **ToolBar** component in the Material-UI library.

ToolBar:

ToolBar doesn't work independently as that of other Material-UI components, it works with the AppBar. The Toolbar component sets the properties of the children to make them horizontally aligned. The Toolbar component simply applies the normal CSS flex(display: 'flex'), with vertical centering via alignItems: 'center', some padding, and the minHeight: 56px provided by the theme.mixins.toolbar.

Syntax:

```
<AppBar>
  <Toolbar>
    <Typography variant="h6">
      This Is ToolBar Example
    </Typography>
  </Toolbar>
</AppBar>
```

Installing React App:

Step1: Create a React app using the following command.

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CSS needed.

```
npm install @material-ui/core  
// OR  
yarn add @material-ui/core
```

Importing AppBar and Toolbar:

```
import AppBar from '@material-ui/core/AppBar';  
import Toolbar from '@material-ui/core/Toolbar';
```

Important Props:

- **children:** It is Toolbar children, usually it can be a mixture of IconButton, Button, Typography, etc.
- **component:** The component used for the root node. Either a string to use the HTML element or a component. eg: div.
- **disableGutters:** It is used to enable or disable gutter padding. Example: true or false.
- **variant:** It is used to choose the variant of the toolbar. Example: regular, dense.

CSS Rule Names:

- **root:** This applies styles to the root element.
- **gutters:** This applies styles to the root element if disableGutters={false}.
- **regular:** This applies styles to the root element if variant="regular".
- **dense:** This applies styles to the root element if variant="dense".

Example 1: In this example, we have implemented the toolbar as Top AppBar.

Javascript

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```
},
title: {
  flexGrow: 1,
  display: 'none',
  [
    theme.breakpoints.up('sm')]: {
      display: 'block',
    },
  ],
},
}));

export default function ToolbarExample() {
  const classes = useStyles();

  return (
    <div className={classes.root}>
      <AppBar position="static">
        <Toolbar>
          <IconButton
            className={classes.menuButton}
            color="inherit"
          >
            <MenuIcon />
          </IconButton>
          <Typography className={classes.title} variant="h6" nowrap>
            Welcome To GFG
          </Typography>
          <Button color="inherit">Login</Button>
        </Toolbar>
      </AppBar>
    </div>
  );
}
```

Step to Run Application: Run the application using the following command from the root directory of the project:

```
npm start
```

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Example 2: As a Bottom AppBar

Javascript

```
import React from 'react';
import { makeStyles } from '@material-ui/core/styles';
import {
  AppBar,
  Toolbar,
  Typography,
  IconButton,
  Paper,
  Fab,
  List,
  ListItem,
  ListItemText} from '@material-ui/core';
import MenuIcon from '@material-ui/icons/Menu';
import AddIcon from '@material-ui/icons/Add';

const messages = [
  {
    id: 1,
    primary: 'Welcome To GeeksForGeeks',
    secondary: "A Computer Science Portal For Geeks",
  },
  {
    id: 2,
    primary: 'Welcome To GeeksForGeeks',
    secondary: "A Computer Science Portal For Geeks",
  },
];
```

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```
{
  id: 5,
  primary: 'Welcome To GeeksForGeeks',
  secondary: "A Computer Science Portal For Geeks",
},
{
  id: 6,
  primary: 'Welcome To GeeksForGeeks',
  secondary: "A Computer Science Portal For Geeks",
},
{
  id: 7,
  primary: 'Welcome To GeeksForGeeks',
  secondary: "A Computer Science Portal For Geeks",
},
{
  id: 8,
  primary: 'Welcome To GeeksForGeeks',
  secondary: "A Computer Science Portal For Geeks",
}
];
```

```
const useStyles = makeStyles((theme) => ({
  text: {
    padding: theme.spacing(2, 2, 0),
  },
  paper: {
    paddingBottom: 50,
  },
  list: {
    marginBottom: theme.spacing(2),
  },
  appBar: {
    top: 'auto',
    bottom: 0,
  },
  fabButton: {
    position: 'absolute',
    zIndex: 1,
    top: -30,
    left: 0,
    right: 0,
```

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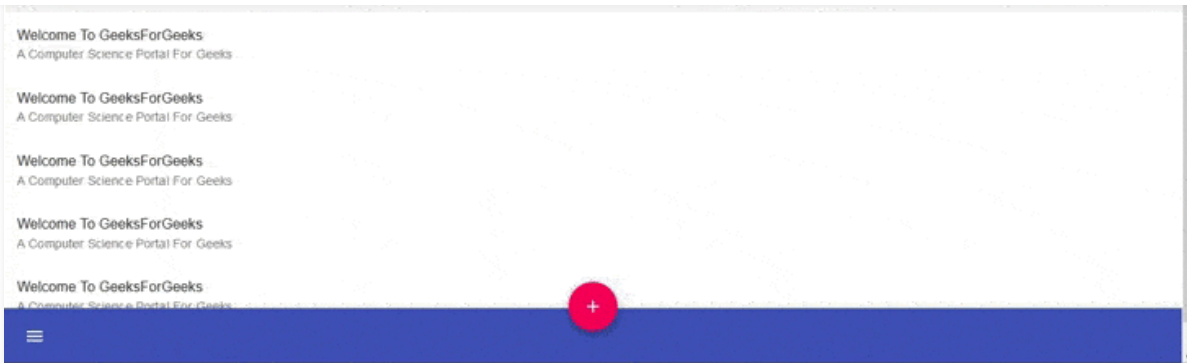
```
List
</Typography>
<List className={classes.list}>
  {messages.map(({ id, primary,
                    secondary, person }) => (
    <React.Fragment key={id}>
      <ListItem button>
        <ListItemText primary={primary}
                      secondary={secondary} />
      </ListItem>
    </React.Fragment>
  ))}
</List>
</Paper>
<AppBar position="fixed" color="primary"
         className={classes.appBar}>
  <Toolbar>
    <IconButton edge="start" color="inherit"
               aria-label="open drawer">
      <MenuIcon />
    </IconButton>
    <Fab color="secondary" aria-label="add"
        className={classes.fabButton}>
      <AddIcon />
    </Fab>
  </Toolbar>
</AppBar>
</React.Fragment>
);
}
```

Output:

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