

# Bottom Navigation

The Bottom Navigation bar allows movement between primary destinations in an app.

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ad by MUI

Bottom navigation bars display three to five destinations at the bottom of a screen. Each destination is represented by an icon and an optional text label. When a bottom navigation icon is tapped, the user is taken to the top-level navigation destination associated with that icon.

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## Bottom navigation

When there are only **three** actions, display both icons and text labels at all times.

```
import * as React from 'react';
import Box from '@mui/material/Box';
import BottomNavigation from '@mui/material/BottomNavigation';
import BottomNavigationAction from '@mui/material/BottomNavigationAction';
import RestoreIcon from '@mui/icons-material/Restore';
import FavoriteIcon from '@mui/icons-material/Favorite';
import LocationOnIcon from '@mui/icons-material/LocationOn';

export default function SimpleBottomNavigation() {
  const [value, setValue] = React.useState(0);

  return (
    <Box sx={{ width: 500 }}>
      <BottomNavigation
        showLabels
        value={value}>
```

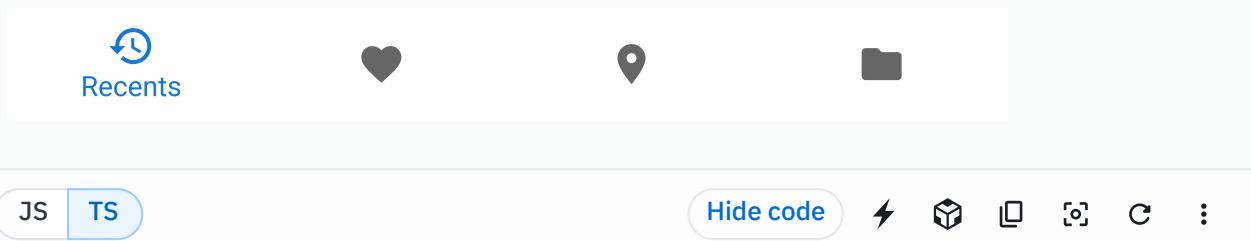
```

        onChange={(event, newValue) => {
          setValue(newValue);
        }}
      >
        <BottomNavigationAction label="Recents" icon={<RestoreIcon />} />
        <BottomNavigationAction label="Favorites" icon={<FavoriteIcon />} />
        <BottomNavigationAction label="Nearby" icon={<LocationOnIcon />} />
      </BottomNavigation>
    </Box>
  );
}

```

## Bottom navigation with no label

If there are **four** or **five** actions, display inactive views as icons only.



```

import * as React from 'react';
import BottomNavigation from '@mui/material/BottomNavigation';
import BottomNavigationAction from '@mui/material/BottomNavigationAction';
import FolderIcon from '@mui/icons-material/Folder';
import RestoreIcon from '@mui/icons-material/Restore';
import FavoriteIcon from '@mui/icons-material/Favorite';
import LocationOnIcon from '@mui/icons-material/LocationOn';

export default function LabelBottomNavigation() {
  const [value, setValue] = React.useState('recents');

  const handleChange = (event: React.SyntheticEvent, newValue: string) => {
    setValue(newValue);
  };

  return (
    <BottomNavigation sx={{ width: 500 }} value={value} onChange={handleChange}>
      <BottomNavigationAction
        label="Recents"
        value="recents"
        icon={<RestoreIcon />}
      />
      <BottomNavigationAction
        label="Favorites"
        value="favorites"
        icon={<FavoriteIcon />}
      />
      <BottomNavigationAction

```

```
        label="Nearby"
        value="nearby"
        icon={<LocationOnIcon />}
    />
    <BottomNavigationAction label="Folder" value="folder" icon={<FolderIcon />} />
</BottomNavigation>
);
}
```

## Fixed positioning



This demo keeps bottom navigation fixed to the bottom, no matter the amount of content on-screen.

 **Summer BBQ**  
Who wants to have a cookout this weekend? I just got some furniture for my backyard and would love to fire up the grill.

 **Yes!**  
I have the tickets to the ReactConf for this year.

 **Doctor's Appointment**  
My appointment for the doctor was rescheduled for next Saturday.

 **Birthday Gift**  
Do you have a suggestion for a good present for John on his work anniversary. I am really confused & would love your thoughts on it.

 Recents     Favorites     Archive

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```
import * as React from 'react';
import Box from '@mui/material/Box';
import CssBaseline from '@mui/material/CssBaseline';
import BottomNavigation from '@mui/material/BottomNavigation';
import BottomNavigationAction from '@mui/material/BottomNavigationAction';
import RestoreIcon from '@mui/icons-material/Restore';
import FavoriteIcon from '@mui/icons-material/Favorite';
import ArchiveIcon from '@mui/icons-material/Archive';
import Paper from '@mui/material/Paper';
import List from '@mui/material/List';
import ListItemButton from '@mui/material/ListItemButton';
import ListItemAvatar from '@mui/material/ListItemAvatar';
import ListItemText from '@mui/material/ListItemText';
```

```

import Avatar from '@mui/material/Avatar';

function refreshMessages(): MessageExample[] {
  const getRandomInt = (max: number) => Math.floor(Math.random() * Math.floor(max));

  return Array.from(new Array(50)).map(
    () => messageExamples[getRandomInt(messageExamples.length)],
  );
}

export default function FixedBottomNavigation() {
  const [value, setValue] = React.useState(0);
  const ref = React.useRef<HTMLDivElement>(null);
  const [messages, setMessages] = React.useState(() => refreshMessages());

  React.useEffect(() => {
    (ref.current as HTMLDivElement).ownerDocument.body.scrollTop = 0;
    setMessages(refreshMessages());
  }, [value, setMessages]);

  return (
    <Box sx={{ pb: 7 }} ref={ref}>
      <CssBaseline />
      <List>
        {messages.map(({ primary, secondary, person }, index) => (

```

## Third-party routing library



One frequent use case is to perform navigation on the client only, without an HTTP round-trip to the server. The `BottomNavigationAction` component provides the `component` prop to handle this use case. Here is a [more detailed guide](#).

## API



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

- [`<BottomNavigation />`](#)
- [`<BottomNavigationAction />`](#)

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