

INTRODUCTION TO MOBILE APPLICATIONS DEVELOPMENT

Navigation

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OVERVIEW OF NAVIGATION IN IONIC



- Efficient navigation is crucial for a seamless user experience.
- Ionic provides multiple navigation options like back buttons, side menus, and tabs.
- In this topic we'll explore each method to enhance your app's navigation.

Full Documentation:

http://ionicframework.com/docs/api/nav

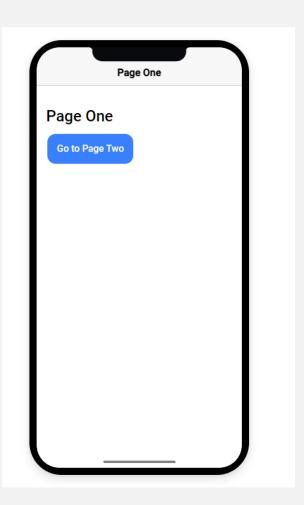


- We can use Ion-Nav to navigate between screens. Nav is a standalone component for loading arbitrary components and pushing new components on to the stack.
- We can place the **IonNav** component on our root page (ex. *Home.tsx*).
- Each page will then have an <IonNavLink> component to navigate us to the next screens.

Read More:

https://ionicframework.com/docs/api/nav





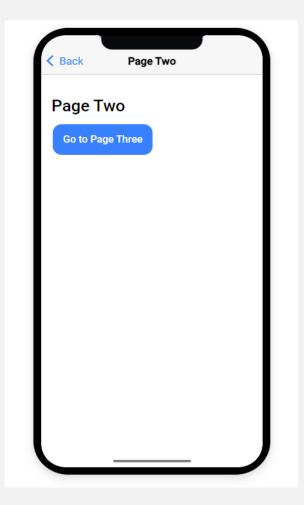
```
import React from 'react';
import { IonNav } from '@ionic/react';
import PageOne from './page-one';

function Example() {
   return <IonNav root={() => <PageOne />}></IonNav>;
}
export default Example;
```





```
TS src/page-one.tsx
                                                     TS src/page-three.tsx
TS src/main.tsx
                                  TS src/page-two.tsx
import React from 'react';
import { IonButton, IonHeader, IonContent, IonNavLink, IonToolbar, IonTitle } from '@ionic/
import PageTwo from './page-two';
function PageOne() {
  return (
    <>
      <IonHeader>
        <IonToolbar>
          <IonTitle>Page One</IonTitle>
        </IonToolbar>
      </IonHeader>
      <IonContent class="ion-padding">
        <h1>Page One</h1>
        <IonNavLink routerDirection="forward" component={() => <PageTwo />}>
          <IonButton>Go to Page Two</IonButton>
        </IonNavLink>
      </IonContent>
    </>>
  );
export default PageOne;
```



```
TS src/main.tsx TS src/page-one.tsx TS src/page-two.tsx
                                                    TS src/page-three.tsx
  import React from 'react';
  import {
    IonBackButton,
    IonButtons,
    IonButton,
    IonHeader,
    IonContent,
    IonNavLink,
    IonToolbar,
    IonTitle,
  } from '@ionic/react';
  import PageThree from './page-three';
  function PageTwo() {
    return (
      <>
        <IonHeader>
          <IonToolbar>
            <IonButtons slot="start">
              <IonBackButton></IonBackButton>
            </IonButtons>
            <IonTitle>Page Two</IonTitle>
          </IonToolbar>
        </IonHeader>
        <IonContent class="ion-padding">
          <h1>Page Two</h1>
          <IonNavLink routerDirection="forward" component={() => <PageThree />}>
            <IonButton>Go to Page Three</IonButton>
          </IonNavLink>
        </IonContent>
      </>
    );
  export default PageTwo;
```



ION-MENU

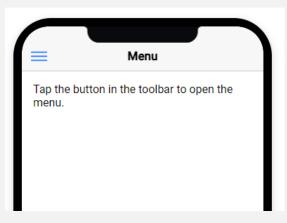


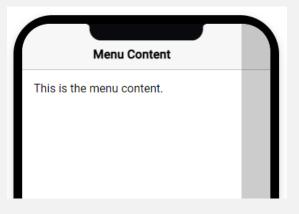
- The menu component is a navigation drawer that slides in from the side of the current view.
- By default, it uses the start side, making it slide in from the left for LTR and right for RTL, but the side can be overridden.

Read More:

https://ionicframework.com/docs/api/menu

ION-MENU









ION-TABS



- Tabs can be used with the Ionic router to implement tab-based navigation. The component is a container of individual Tab components.
- The tab bar and active tab will automatically resolve based on the url. This is the most common pattern for tabs navigation.

Read More:

https://ionicframework.com/docs/api/tabs

ION-TABS







BEST PRACTICES



- **Keep it Simple**: Prioritize a clean and intuitive navigation flow.
- Consistent Design: Maintain a consistent look and feel.
- User Feedback: Provide feedback for successful actions.