

# Hybrid Mobile



## Ionic Components

COS216

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# IONIC - UI COMPONENTS

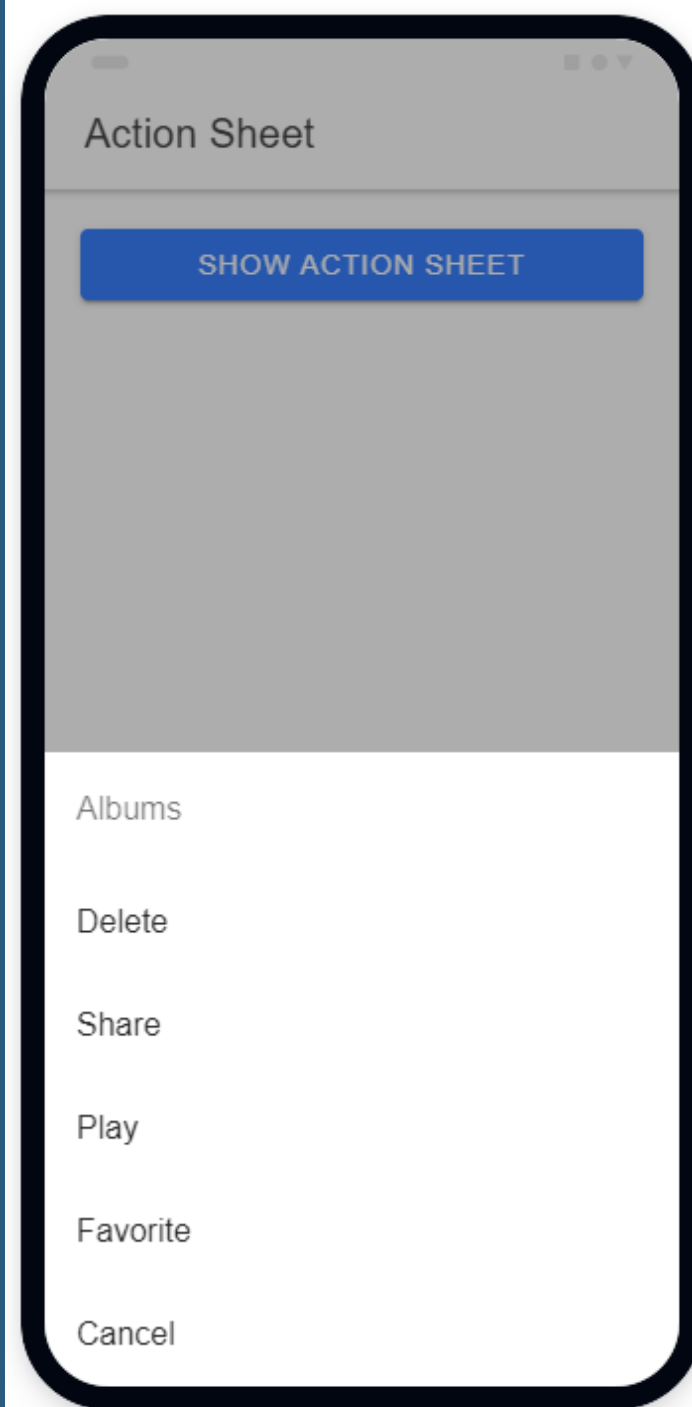
- Ionic has tons of custom components that simplify developing a mobile application.
- These components are essentially Angular components in the background
- Each component has a special way to implement.
- Each component CSS can be customized based on your app themes.

# ACTION SHEET

<https://ionicframework.com/docs/api/action-sheet>

```
constructor(public actionSheetController: ActionSheetController) { }

async presentActionSheet() {
  const actionSheet = await this.actionSheetController.create({
    header: 'Albums',
    cssClass: 'my-custom-class',
    buttons: [{
      text: 'Delete',
      role: 'destructive',
      icon: 'trash',
      handler: () => {
        console.log('Delete clicked');
      }
    },
    { ... },
    {
      text: 'Cancel',
      icon: 'close',
      role: 'cancel',
      handler: () => {
        console.log('Cancel clicked');
      }
    }
  ]);
  await actionSheet.present();
}
```





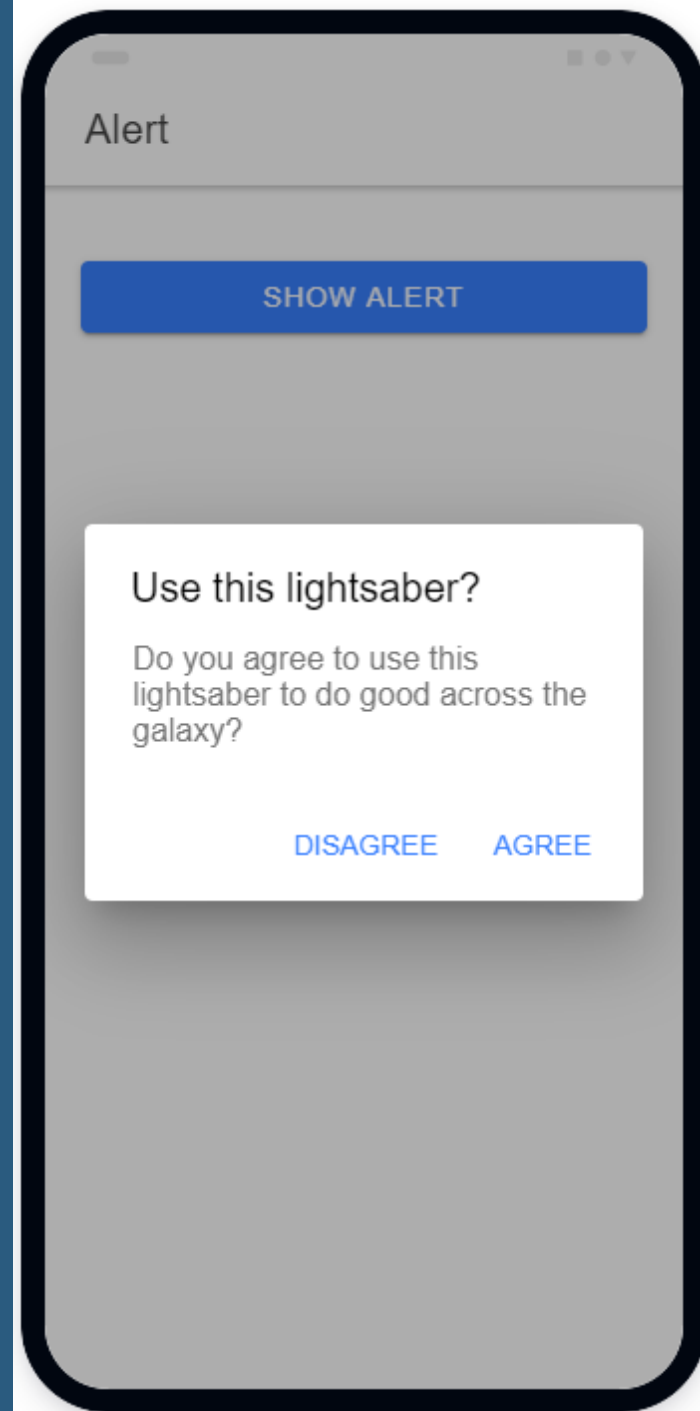
# ALERT

<https://ionicframework.com/docs/api/alert>

```
constructor(public alertController: AlertController) { }

async showAlert() {
  const alert = await this.alertController.create({
    cssClass: 'my-custom-class',
    header: 'Use this lightsabre ? ',
    subHeader: 'Subtitle',
    message: 'Do you agree ....',
    buttons: ['Disagree', 'Agree']
  });

  await alert.present();
}
```



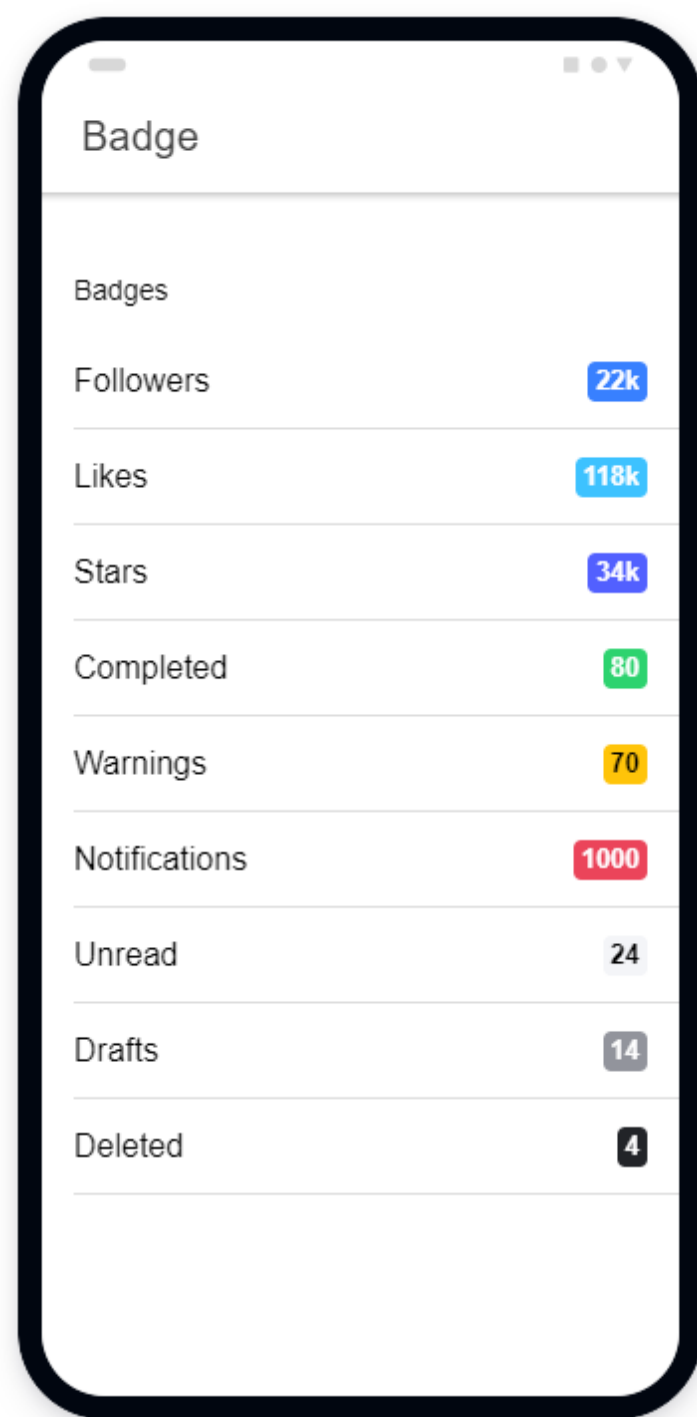




# BADGES

<https://ionicframework.com/docs/api/badge>

```
<ion-badge color="primary">11</ion-badge>
```





# CARDS

<https://ionicframework.com/docs/api/card>

```
<ion-card>
  <ion-card-header>
    <ion-card-subtitle>Card Subtitle</ion-card-subtitle>
    <ion-card-title>Card Title</ion-card-title>
  </ion-card-header>

  <ion-card-content>
    Keep close to Nature's heart... and break clear away, o
nce in a while,
    and climb a mountain or spend a week in the woods. Wash
your spirit clean.
  </ion-card-content>
</ion-card>
```



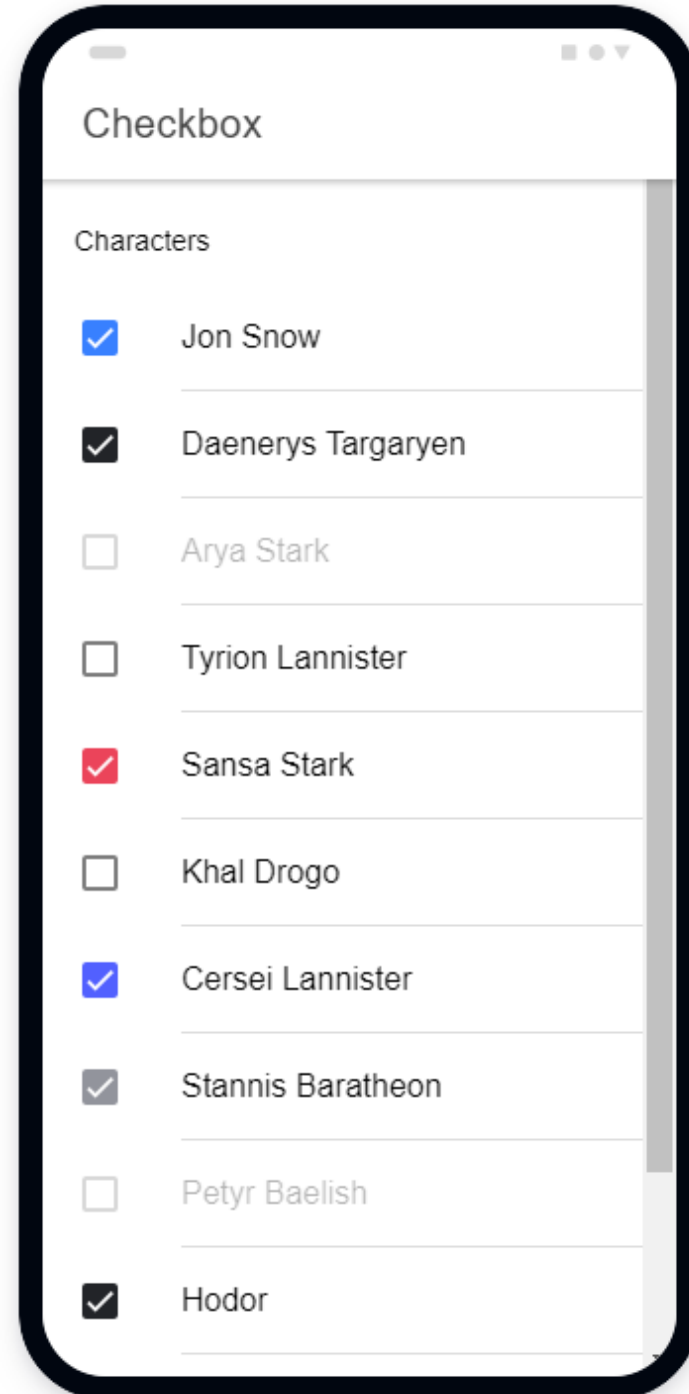


# CHECKBOX

<https://ionicframework.com/docs/api/checkbox>

```
<ion-checkbox disabled="true"></ion-checkbox>
<ion-checkbox checked="true"></ion-checkbox>

<ion-checkbox color="primary"></ion-checkbox>
<!-- Checkboxes in a List -->
<ion-list>
  <ion-item *ngFor="let entry of form">
    <ion-label>{{entry.val}}</ion-label>
    <ion-checkbox slot="end" [(ngModel)]="entry.isChecked">
    </ion-checkbox>
  </ion-item>
</ion-list>
```





# CHIP

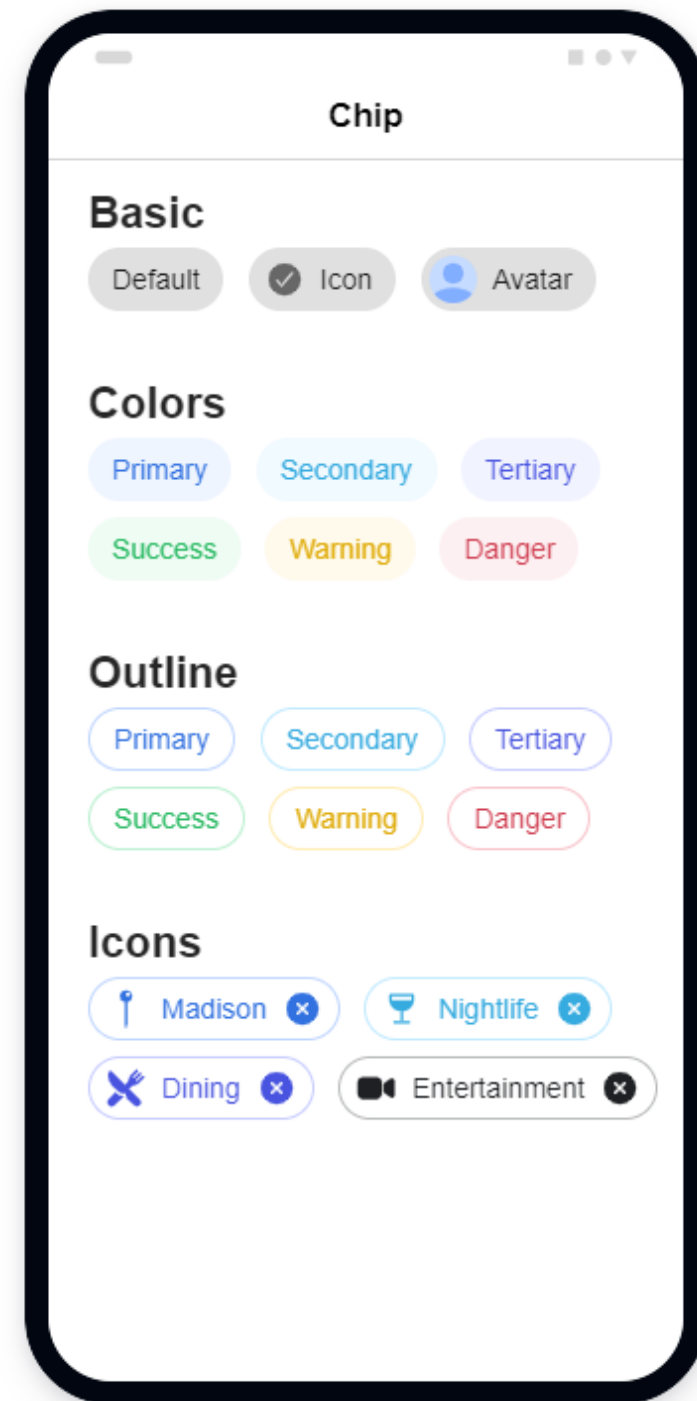
<https://ionicframework.com/docs/api/chip>

```
<ion-chip>
  <ion-label>Default</ion-label>
</ion-chip>

<ion-chip color="secondary">
  <ion-label color="dark">Secondary w/ Dark label</ion-label>
</ion-chip>

<ion-chip>
  <ion-icon name="pin"></ion-icon>
  <ion-label>Default</ion-label>
</ion-chip>

<ion-chip>
  <ion-avatar>
    
  </ion-avatar>
  <ion-label>Avatar Chip</ion-label>
  <ion-icon name="close-circle"></ion-icon>
</ion-chip>
```





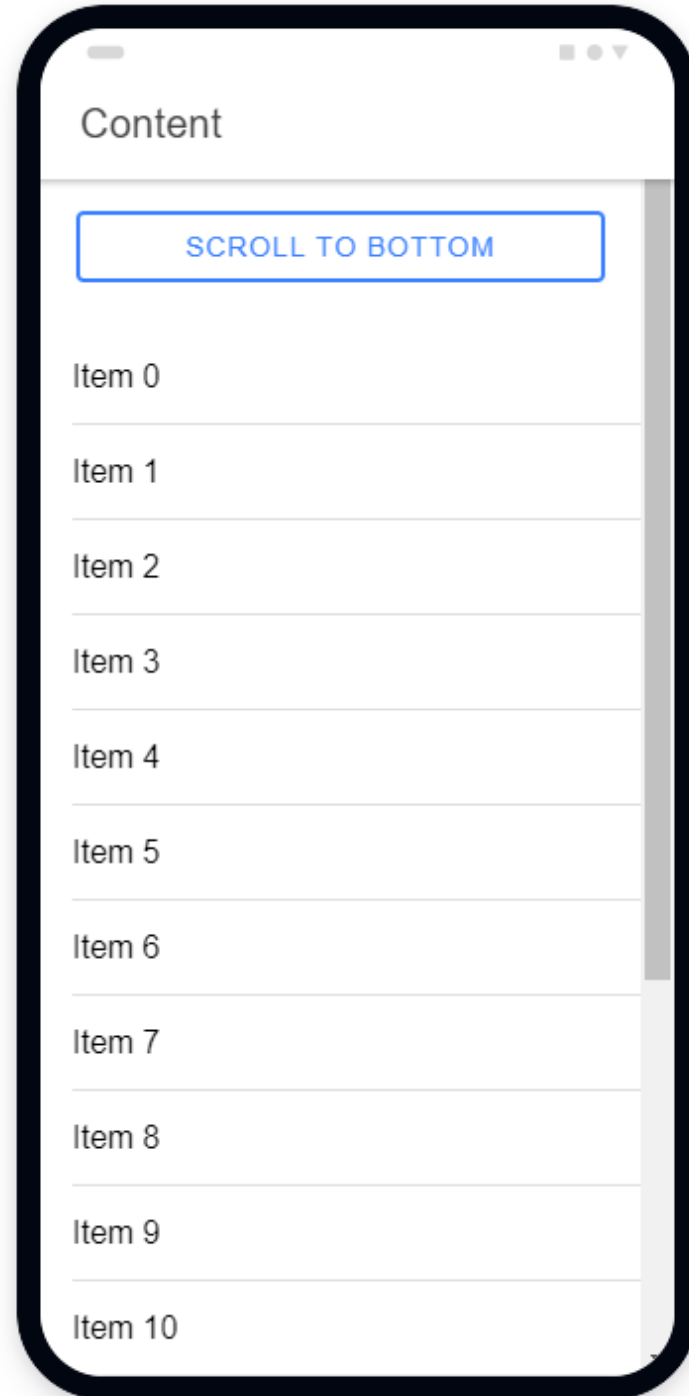


# CONTENT

<https://ionicframework.com/docs/api/content>

```
<ion-content
  [scrollEvents]="true"
  (ionScrollStart)="logScrollStart()"
  (ionScroll)="logScrolling($event)"
  (ionScrollEnd)="logScrollEnd()">
  <h1>Main Content</h1>

  <div slot="fixed">
    <h1>Fixed Content</h1>
  </div>
</ion-content>
```



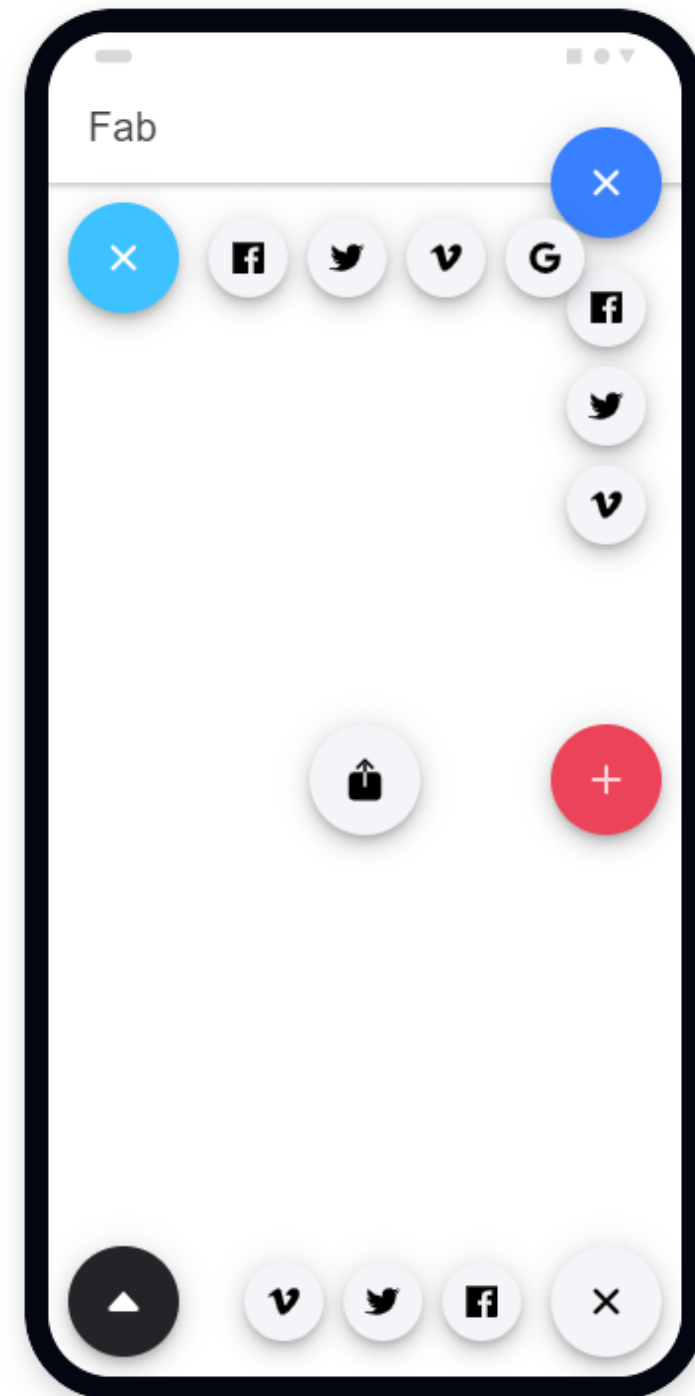


# FAB

<https://ionicframework.com/docs/api/fab>

```
<!-- fab placed to the top end -->
<ion-fab vertical="top" horizontal="end" slot="fixed">
  <ion-fab-button>
    <ion-icon name="add"></ion-icon>
  </ion-fab-button>
</ion-fab>

<!-- fab placed in the center of the content with a list on each side -->
<ion-fab vertical="center" horizontal="center" slot="fixed">
  <ion-fab-button>
    <ion-icon name="share"></ion-icon>
  </ion-fab-button>
  <ion-fab-list side="top">
    <ion-fab-button>
      <ion-icon name="logo-vimeo"></ion-icon>
    </ion-fab-button>
  </ion-fab-list>
  <ion-fab-list side="end">
    <ion-fab-button>
      <ion-icon name="logo-twitter"></ion-icon>
    </ion-fab-button>
  </ion-fab-list>
</ion-fab>
```

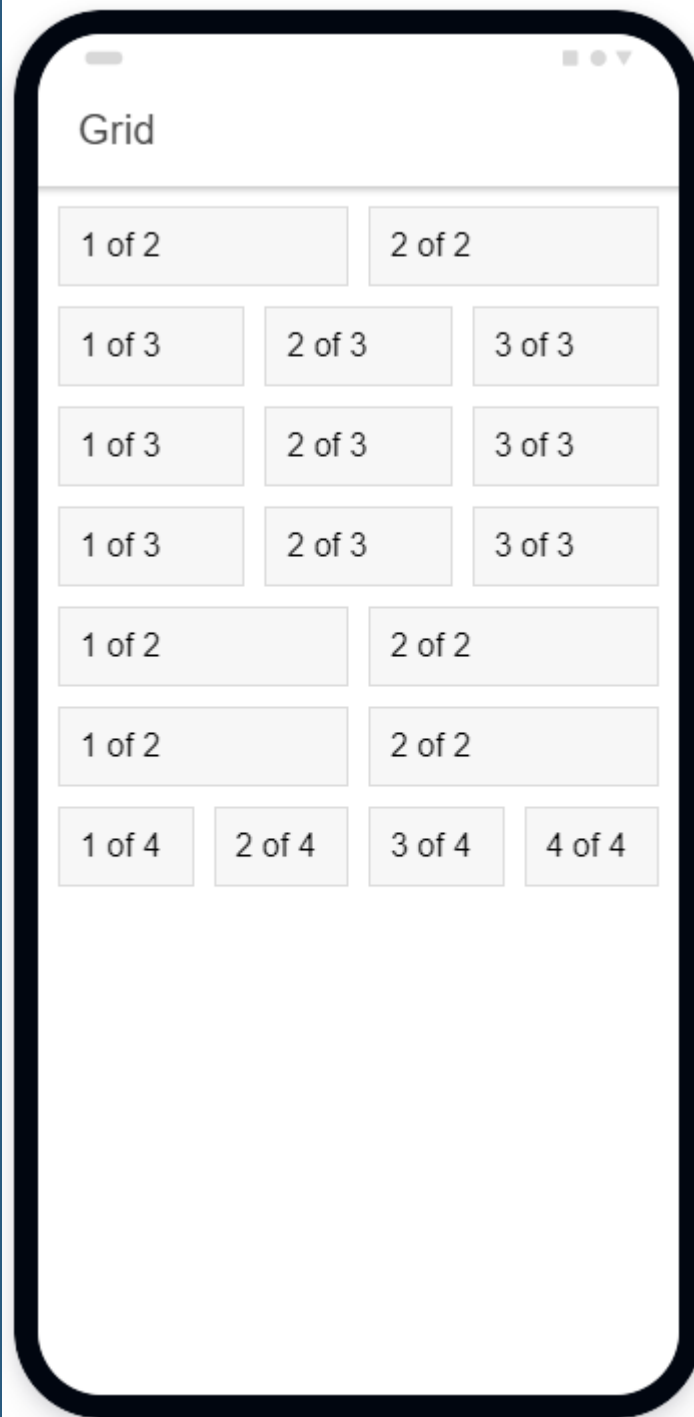




# GRID

<https://ionicframework.com/docs/api/grid>

```
<ion-row>
  <ion-col size="6">
    ion-col [size="6"]
  </ion-col>
  <ion-col>
    ion-col
  </ion-col>
  <ion-col>
    ion-col
  </ion-col>
</ion-row>
```





# INPUT

<https://ionicframework.com/docs/api/input>

```
<ion-input value="custom" placeholder="Enter Input" disabled readonly></ion-input>
```

```
<ion-item>  
  <ion-label>Default Label</ion-label>  
  <ion-input></ion-input>  
</ion-item>
```

```
<ion-item>  
  <ion-label position="floating">Floating Label</ion-label>  
  <ion-input></ion-input>  
</ion-item>
```

```
<ion-item>  
  <ion-label position="fixed">Fixed Label</ion-label>  
  <ion-input></ion-input>  
</ion-item>
```

```
<ion-item>  
  <ion-label position="stacked">Stacked Label</ion-label>  
  <ion-input></ion-input>  
</ion-item>
```

Text  
Password  
Email  
Number  
Search  
Tel  
Url

Create Account

First Name \*

Last Name \*

Title

Address  
Address Line 1  
Address Line 2

City

State

Zip Code

Notes

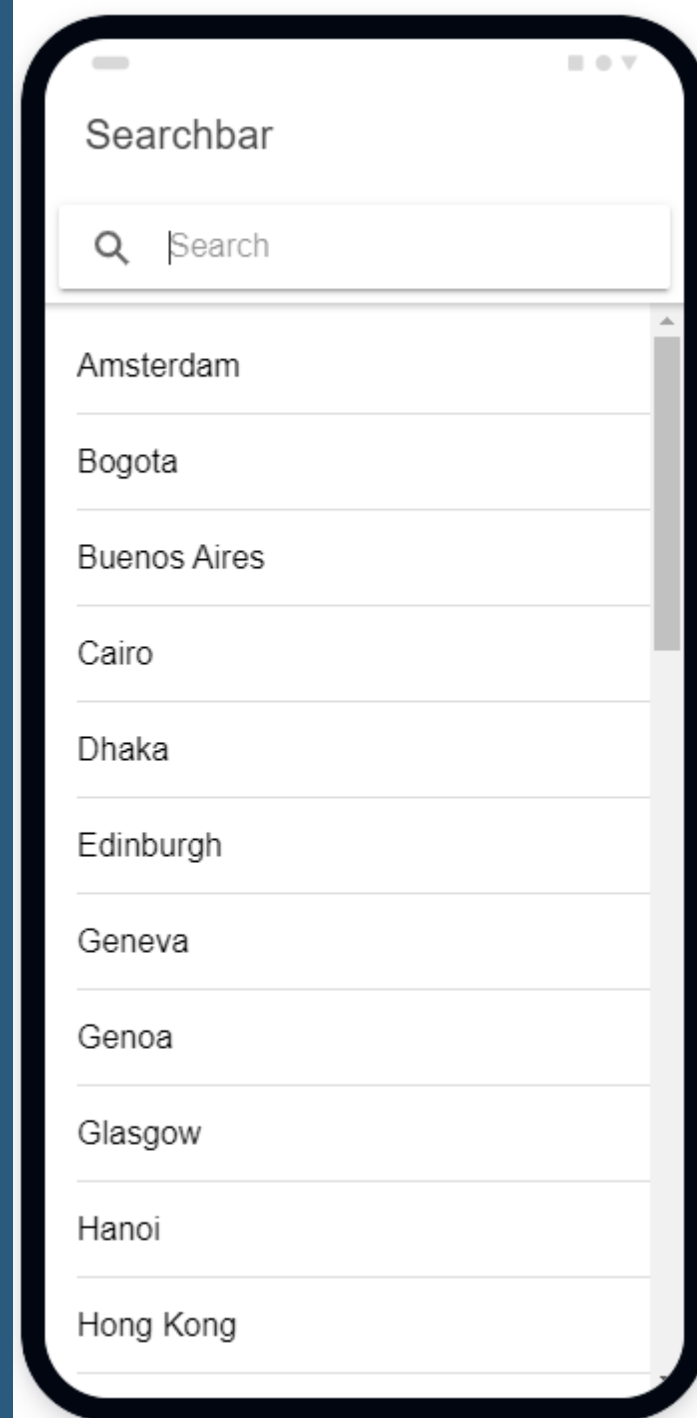
CREATE ACCOUNT



# SEARCH BAR

<https://ionicframework.com/docs/api/searchbar>

```
<ion-searchbar showCancelButton="focus"></ion-searchbar>
```



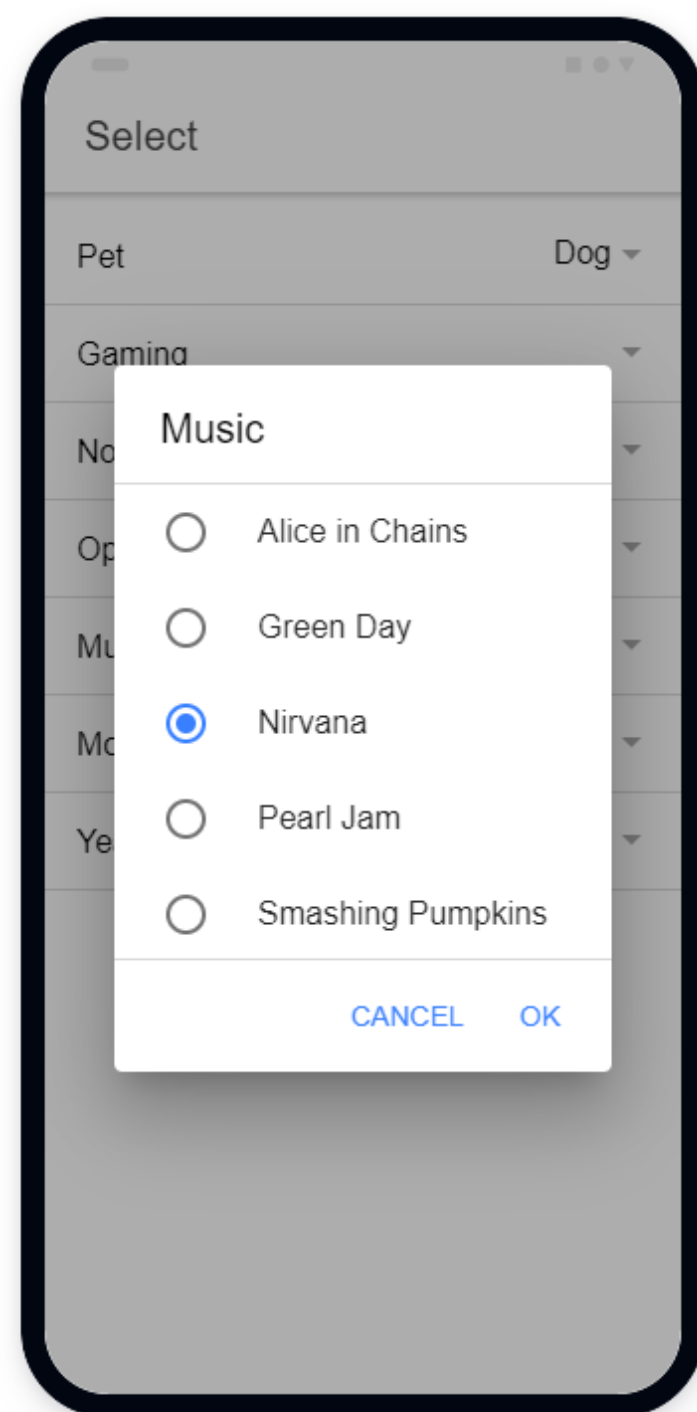




# SELECT

<https://ionicframework.com/docs/api/select>

```
<ion-item>
  <ion-label>Hair Color</ion-label>
  <ion-select value="brown" okText="Okay" cancelText="Dismiss">
    <ion-select-option value="brown">Brown</ion-select-option>
    <ion-select-option value="blonde">Blonde</ion-select-option>
    <ion-select-option value="black">Black</ion-select-option>
    <ion-select-option value="red">Red</ion-select-option>
  </ion-select>
</ion-item>
```

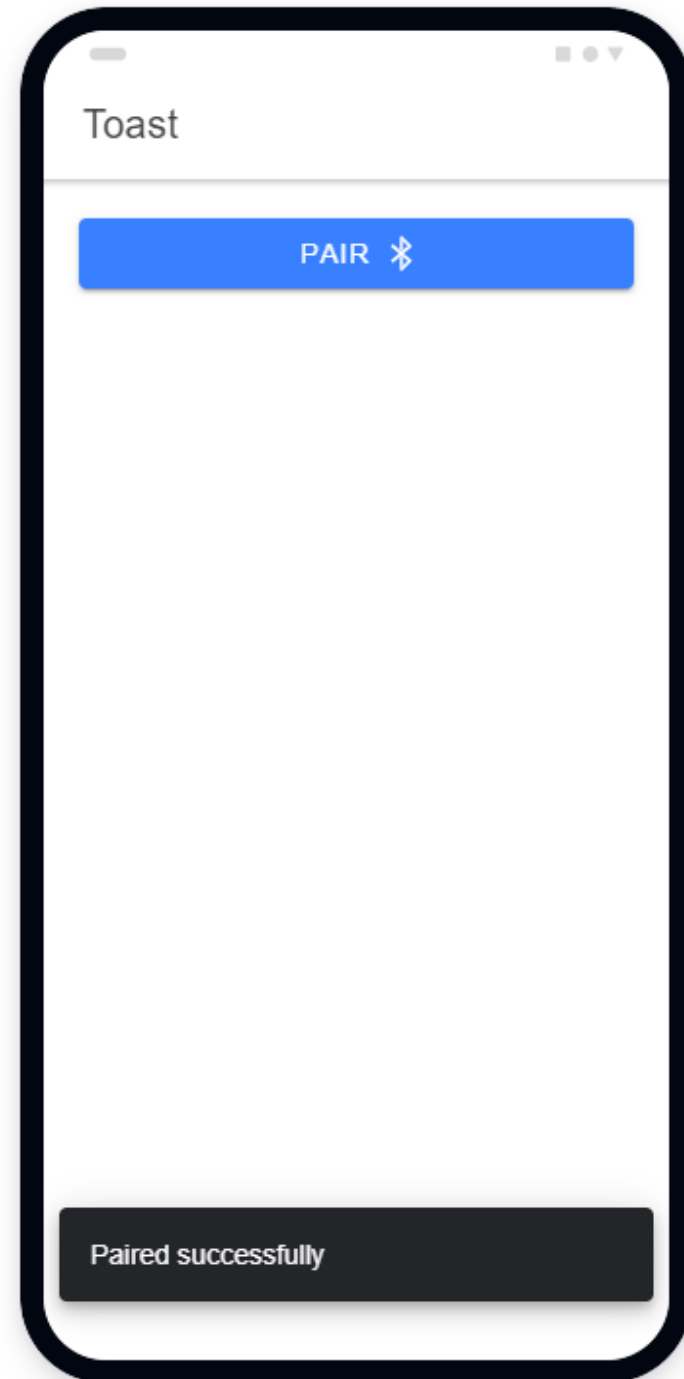




# TOAST

<https://ionicframework.com/docs/api/toast>

```
constructor(public toastController: ToastController) { }  
  
async presentToast() {  
  const toast = await this.toastController.create({  
    message: 'Your settings have been saved.',  
    duration: 2000  
  });  
  await toast.present();  
}
```





# TABS

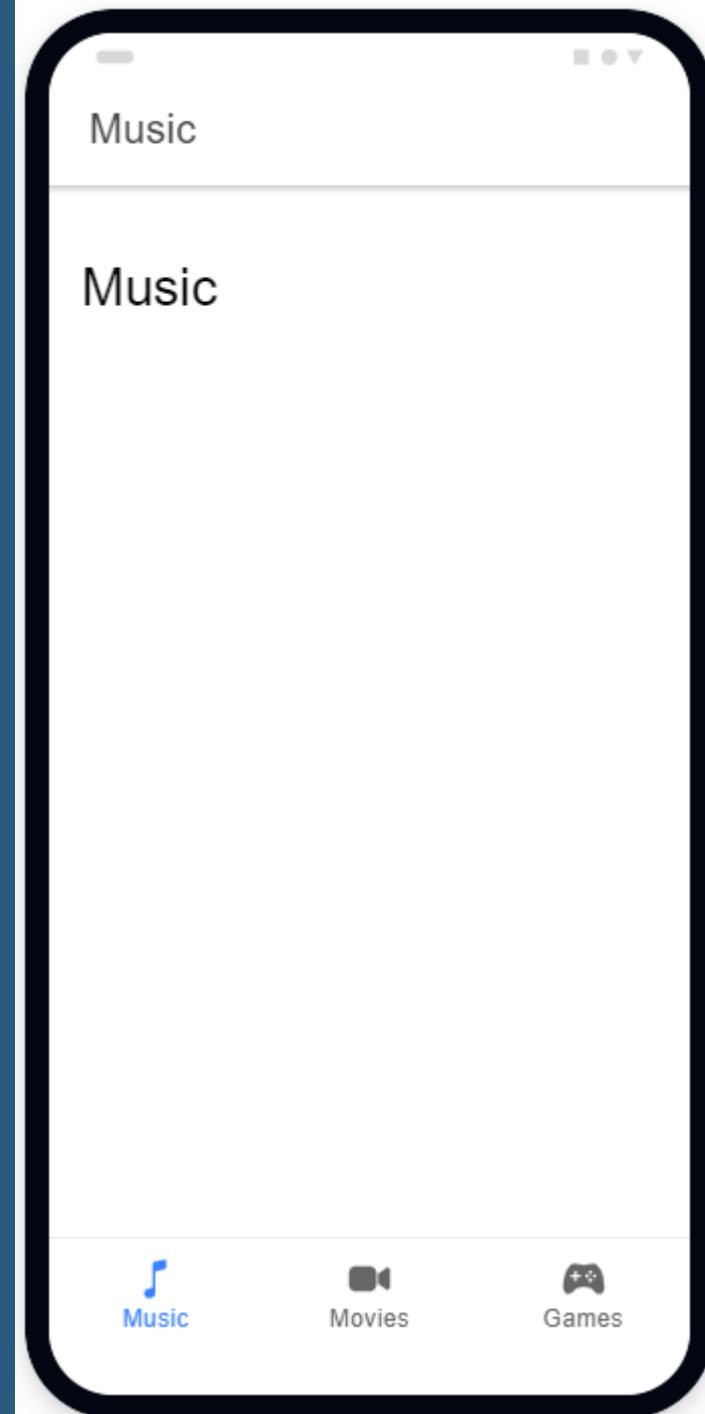
<https://ionicframework.com/docs/api/tabs>

```
<ion-tabs>
  <ion-tab-bar slot="bottom">
    <ion-tab-button tab="schedule">
      <ion-icon name="calendar"></ion-icon>
      <ion-label>Schedule</ion-label>
      <ion-badge>6</ion-badge>
    </ion-tab-button>

    <ion-tab-button tab="speakers">
      <ion-icon name="person-circle"></ion-icon>
      <ion-label>Speakers</ion-label>
    </ion-tab-button>

    <ion-tab-button tab="map">
      <ion-icon name="map"></ion-icon>
      <ion-label>Map</ion-label>
    </ion-tab-button>

    <ion-tab-button tab="about">
      <ion-icon name="information-circle"></ion-icon>
      <ion-label>About</ion-label>
    </ion-tab-button>
  </ion-tab-bar>
</ion-tabs>
```

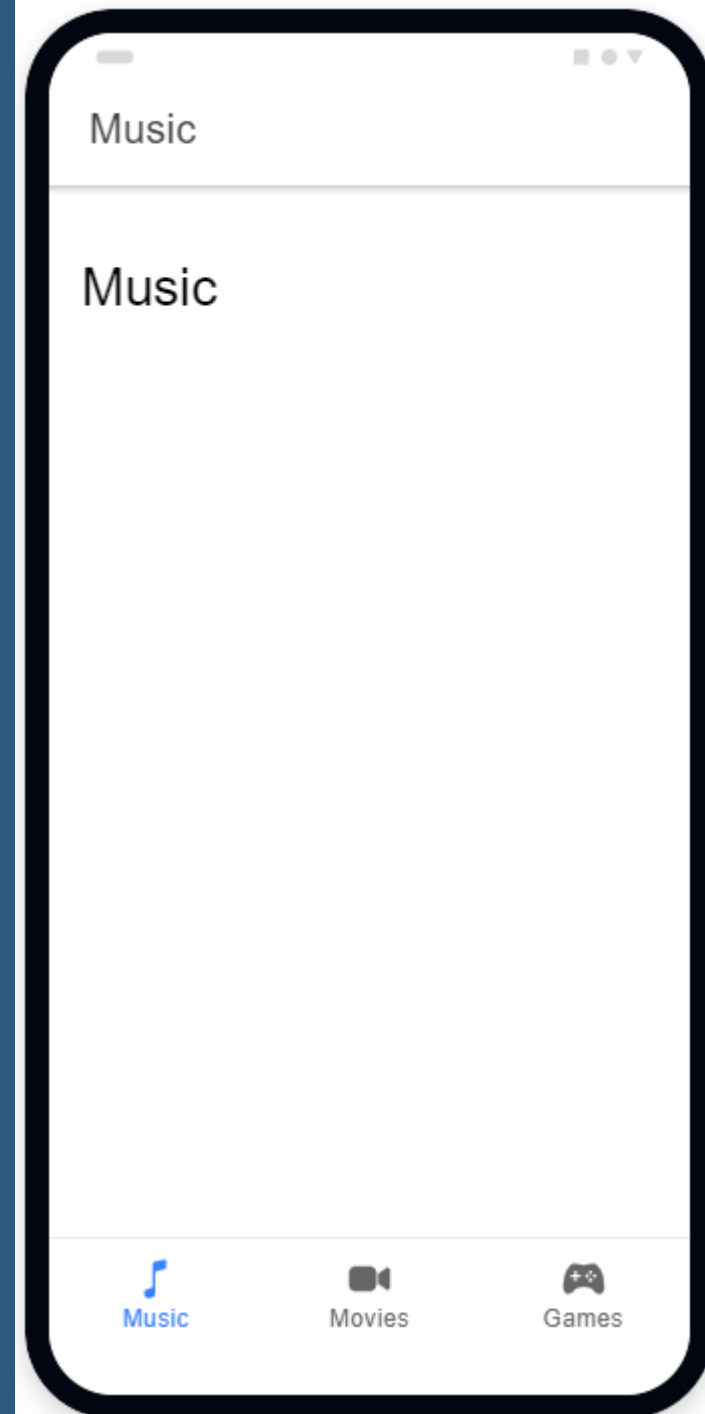




# TABS

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

```
const routes: Routes = [  
  {  
    path: 'tabs',  
    component: TabsPage,  
    children: [  
      {  
        path: 'schedule',  
        children: [  
          {  
            path: '',  
            loadChildren: '../schedule/schedule.module#ScheduleModule'  
          }  
        ]  
      },  
      {  
        path: '',  
        redirectTo: '/app/tabs/schedule',  
        pathMatch: 'full'  
      }  
    ]  
  }  
];
```

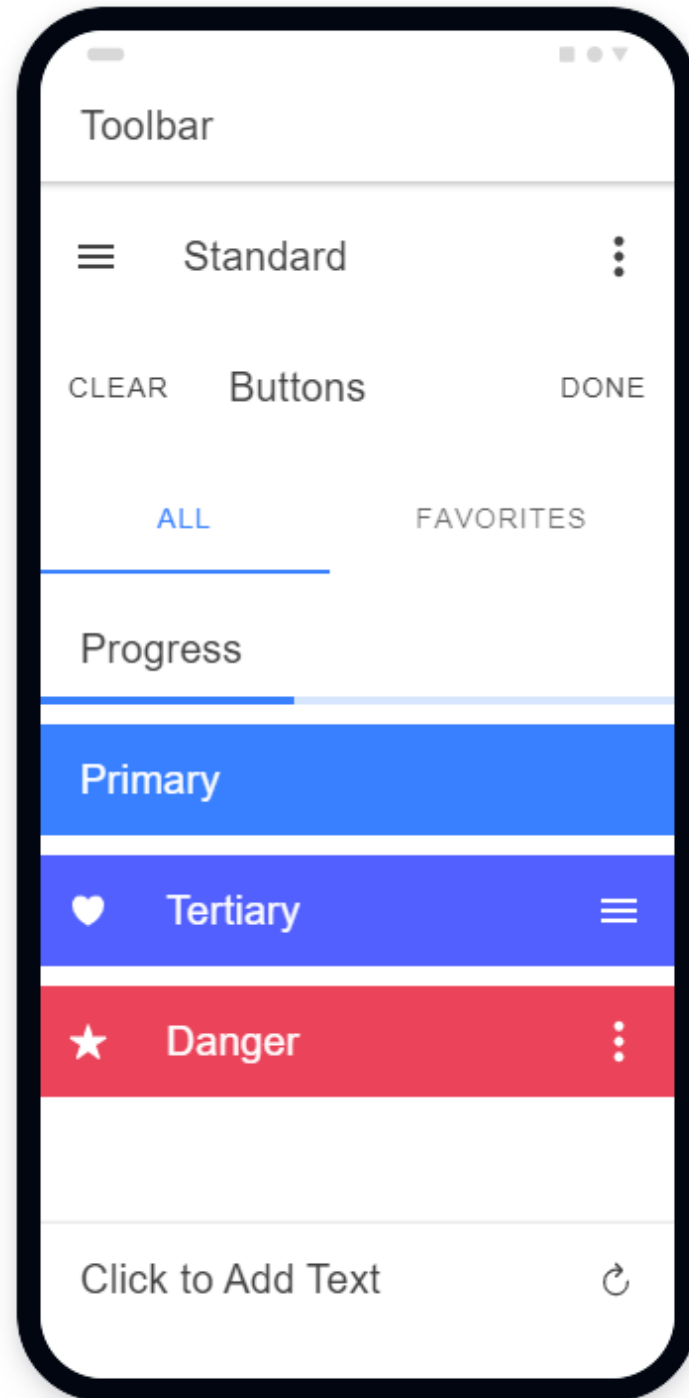




# TOOLBAR

<https://ionicframework.com/docs/api/toolbar>

```
<ion-toolbar>  
  <ion-buttons slot="start">  
    <ion-back-button></ion-back-button>  
  </ion-buttons>  
  <ion-title>Start</ion-title>  
</ion-toolbar>
```



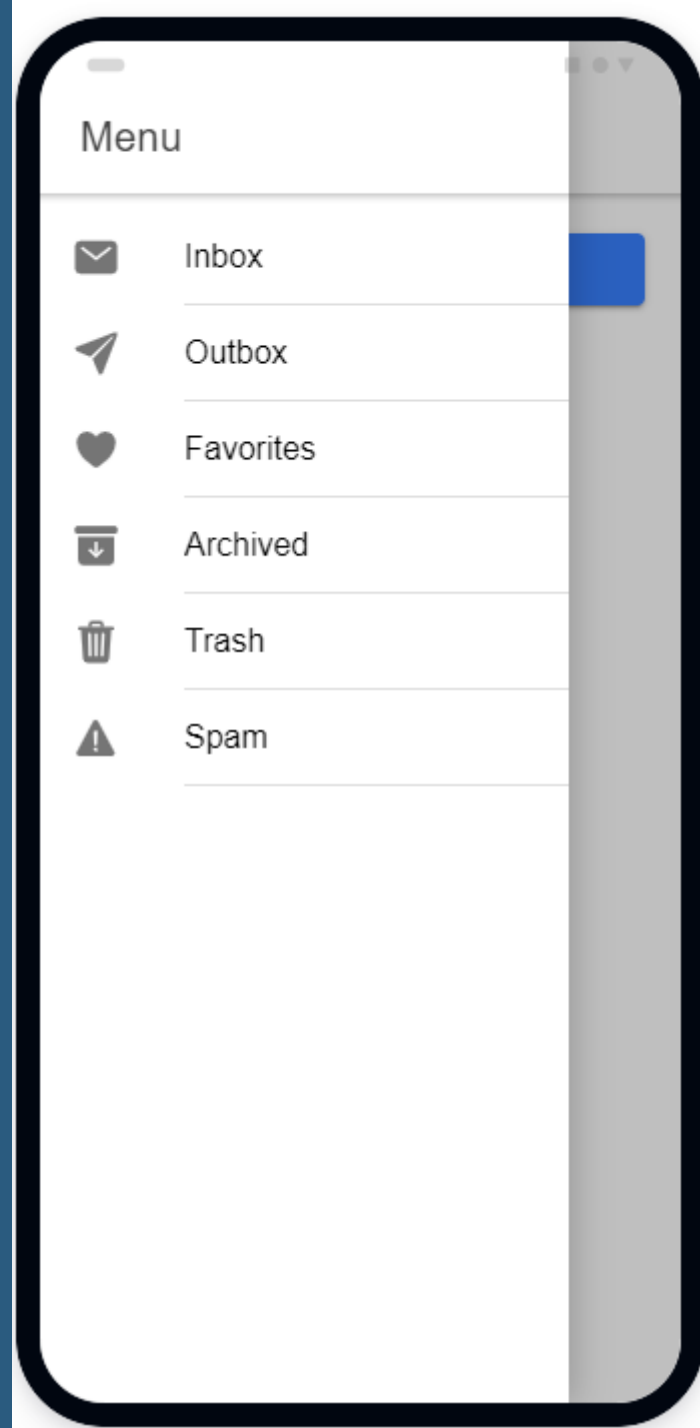




# MENU

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

```
<ion-menu side="start" menuId="first" contentId="main">
  <ion-header>
    <ion-toolbar color="primary">
      <ion-title>Start Menu</ion-title>
    </ion-toolbar>
  </ion-header>
  <ion-content>
    <ion-list>
      <ion-item>Menu Item</ion-item>
      <ion-item>Menu Item</ion-item>
      <ion-item>Menu Item</ion-item>
      <ion-item>Menu Item</ion-item>
      <ion-item>Menu Item</ion-item>
    </ion-list>
  </ion-content>
</ion-menu>
```

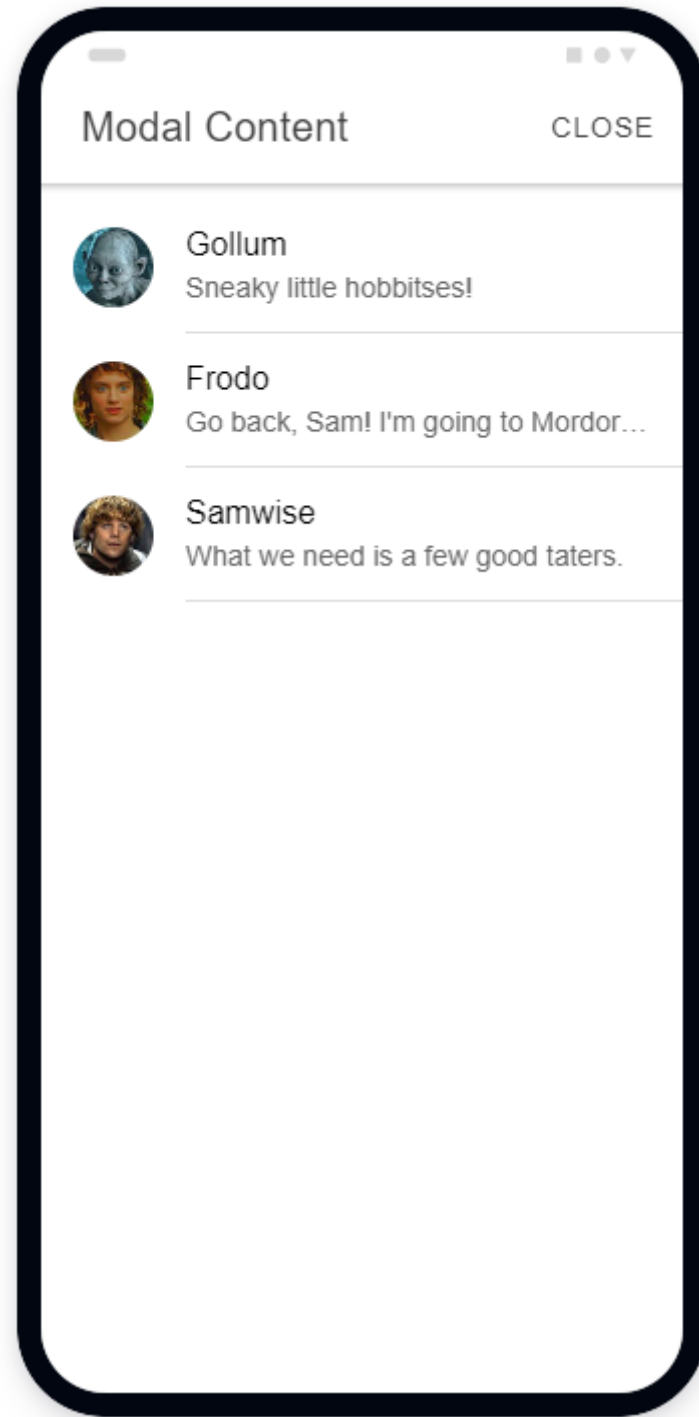




# MODAL

<https://ionicframework.com/docs/api/modal>

```
export class ModalExample {  
  constructor(public modalController: ModalController) {  
  
  }  
  
  async presentModal() {  
    const modal = await this.modalController.create({  
      component: ModalPage,  
      cssClass: 'my-custom-class'  
    });  
    return await modal.present();  
  }  
}
```

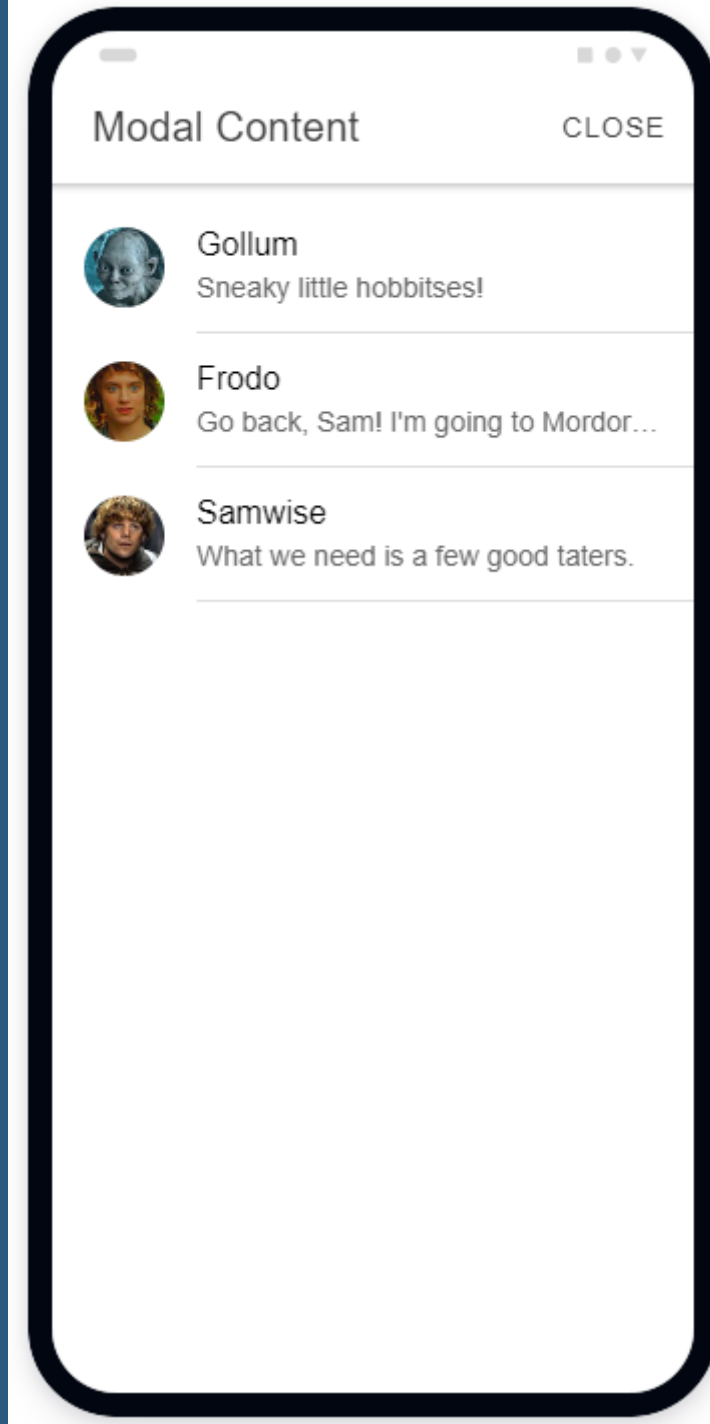




# MODAL

<https://ionicframework.com/docs/api/modal>

```
export class ModalExample {  
  constructor(public modalController: ModalController) {  
  
  }  
  
  async presentModal() {  
    const modal = await this.modalController.create({  
      component: ModalPage,  
      cssClass: 'my-custom-class',  
      componentProps: {  
        'firstName': 'Douglas',  
        'lastName': 'Adams',  
        'middleInitial': 'N'  
      }  
    });  
    return await modal.present();  
  }  
}
```

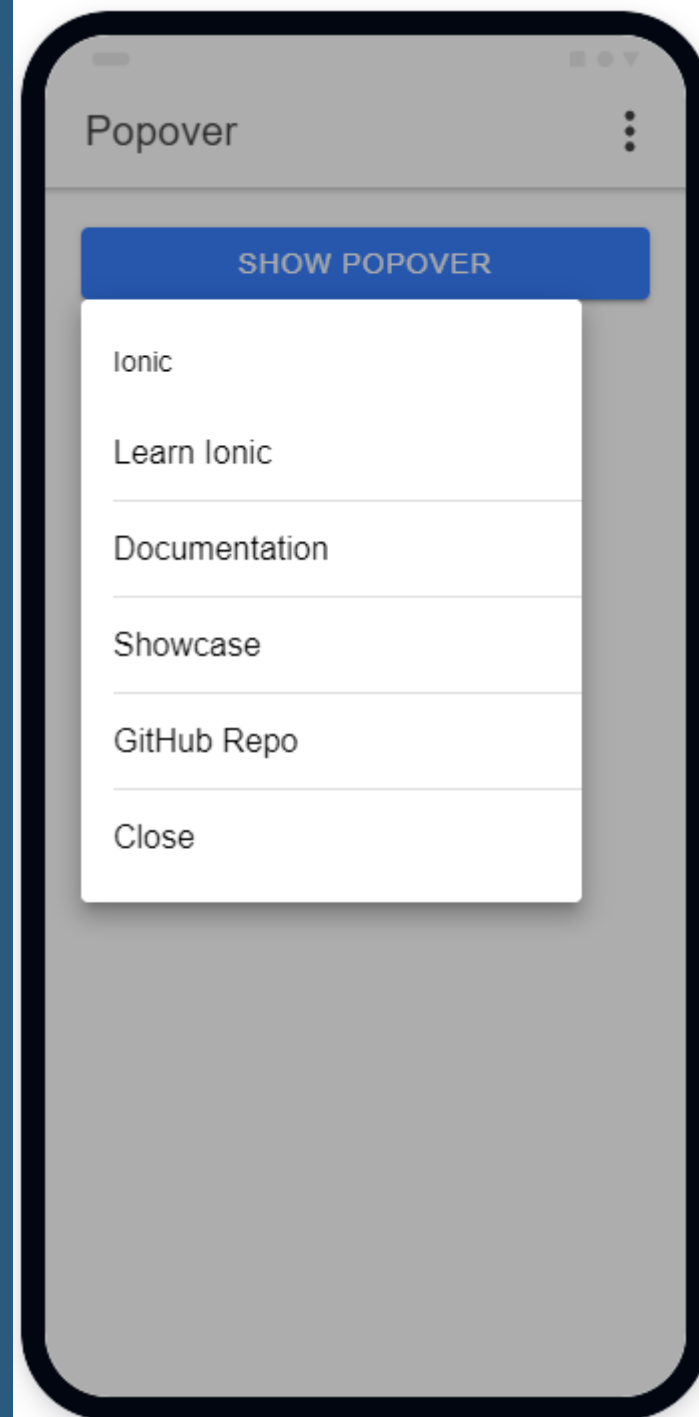




# POPOVER

<https://ionicframework.com/docs/api/popover>

```
export class PopoverExample {  
  constructor(public popoverController: PopoverController) { }  
  
  async presentPopover(ev: any) {  
    const popover = await this.popoverController.create({  
      component: PopoverComponent,  
      cssClass: 'my-custom-class',  
      event: ev,  
      translucent: true  
    });  
    return await popover.present();  
  }  
}
```



# IONIC - DOCUMENTATION

- <https://ionicframework.com/docs/>





