MCAST

INTRODUCTION TO MOBILE APPLICATIONS DEVELOPMENT

Basic UI Components

ITSFT-406-2001

Ing. James Attard

OVERVIEW OF UI COMPONENTS

- Ionic provides a rich set of UI components for building cross-platform mobile applications.
- These components follow modern design principles for a native-like experience.
- In this topic we will explore some fundamental components that form the basis of Ionic app design.

Full Documentation:
http://ionicframework.com/docs/components

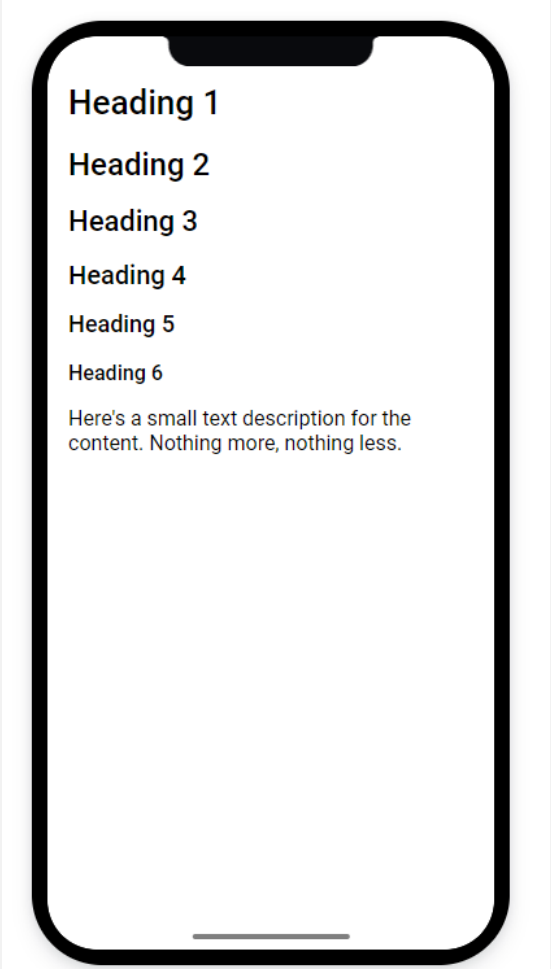
ION-CONTENT

- The content component provides an easy-to-use content area with some useful methods to control the scrollable area. There should only be one content in a single view.

- Content, along with many other Ionic components, can be customized to modify its padding, margin, and more using the global styles provided in the CSS Utilities or by individually styling it using CSS and the available CSS Custom Properties.

Read More:
https://ionicframework.com/docs/api/content

ION-CONTENT



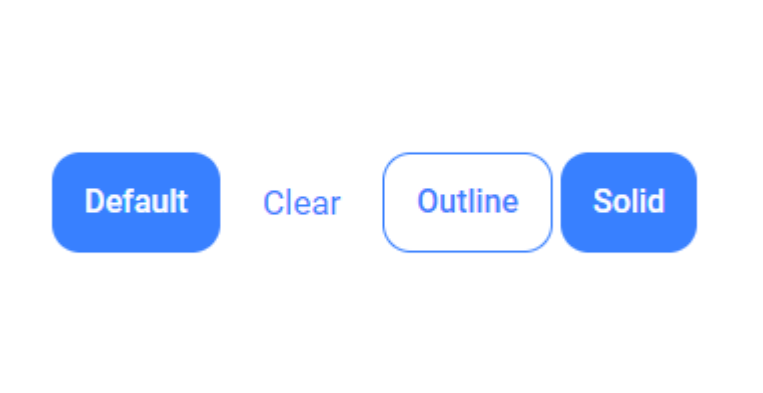

```jsx
import React from 'react';
import { IonContent } from '@ionic/react';

function Example() {
  return (
    <IonContent className="ion-padding">
      <h1>Heading 1</h1>
      <h2>Heading 2</h2>
      <h3>Heading 3</h3>
      <h4>Heading 4</h4>
      <h5>Heading 5</h5>
      <h6>Heading 6</h6>

      <p>Here's a small text description for the content. Nothing more, nothing less.</p>
    </IonContent>
  );
}
export default Example;
```

ION-BUTTON

- Buttons provide a clickable element, which can be used in forms, or anywhere that needs simple, standard button functionality. They may display text, icons, or both. Buttons can be styled with several attributes to look a specific way.

Read More:
https://ionicframework.com/docs/api/button

ION-BUTTON




```
import React from 'react';
import { IonButton } from '@ionic/react';

function Example() {
  return (
    <>
      <IonButton>Default</IonButton>
      <IonButton fill="clear">Clear</IonButton>
      <IonButton fill="outline">Outline</IonButton>
      <IonButton fill="solid">Solid</IonButton>
    </>
  );
}
export default Example;
```

ION-LIST

- Lists are made up of multiple rows of items which can contain text, buttons, toggles, icons, thumbnails, and much more. Lists generally contain items with similar data content, such as images and text.

- Lists support several interactions including swiping items to reveal options, dragging to reorder items within the list, and deleting items.

Read More:
https://ionicframework.com/docs/api/list

ION-LIST


```jsx
import React from 'react';
import { IonContent, IonItem, IonLabel, IonList } from '@ionic/react';

function Example() {
  return (
    <IonContent color="light">
      <IonList inset={true}>
        <IonItem>
          <IonLabel>Pokémon Yellow</IonLabel>
        </IonItem>
        <IonItem>
          <IonLabel>Mega Man X</IonLabel>
        </IonItem>
        <IonItem>
          <IonLabel>The Legend of Zelda</IonLabel>
        </IonItem>
        <IonItem>
          <IonLabel>Pac-Man</IonLabel>
        </IonItem>
        <IonItem>
          <IonLabel>Super Mario World</IonLabel>
        </IonItem>
      </IonList>
    </IonContent>
  );
}
export default Example;
```

ION-CARD

- Cards are containers that display content such as text, images, buttons, and lists. A card can be a single component, but is often made up of a header, title, subtitle, and content. Cards are broken up into several components to accommodate this structure: card header, card title, card subtitle, and card content.

Read More:
https://ionicframework.com/docs/api/card

ION-CARD

CARD SUBTITLE

Card Title

Here's a small text description for the card content. Nothing more, nothing less.

CARD SUBTITLE

Card Title

Here's a small text description for the card content. Nothing more, nothing less.

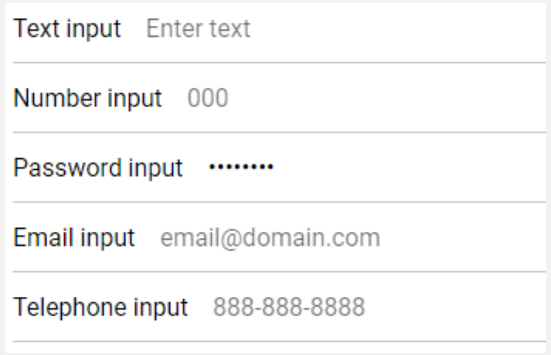
```
import React from 'react';
import { IonCard, IonCardContent, IonCardHeader, IonCardSubtitle, IonCardTitle } from '@ionic

function Example() {
  return (
    <IonCard>
      <img alt="Silhouette of mountains" src="https://ionicframework.com/docs/img/demos/card-
      <IonCardHeader>
        <IonCardTitle>Card Title</IonCardTitle>
        <IonCardSubtitle>Card Subtitle</IonCardSubtitle>
      </IonCardHeader>

      <IonCardContent>Here's a small text description for the card content. Nothing more, not
    </IonCard>
  );
}
```

ION-INPUT

- The input component is a wrapper to the HTML input element with custom styling and additional functionality. It accepts most of the same properties as the HTML input and integrates with the keyboard on mobile devices.

Read More:
https://ionicframework.com/docs/api/input

ION-INPUT




```jsx
import React from 'react';
import { IonInput, IonItem, IonList } from '@ionic/react';

function Example() {
  return (
    <IonList>
      <IonItem>
        <IonInput label="Text input" placeholder="Enter text"></IonInput>
      </IonItem>

      <IonItem>
        <IonInput label="Number input" type="number" placeholder="000"></IonInput>
      </IonItem>

      <IonItem>
        <IonInput label="Password input" type="password" value="password"></IonInput>
      </IonItem>

      <IonItem>
        <IonInput label="Email input" type="email" placeholder="email@domain.com"></IonInput>
      </IonItem>

      <IonItem>
        <IonInput label="Telephone input" type="tel" placeholder="888-888-8888"></IonInput>
      </IonItem>
    </IonList>
  );
}
export default Example;
```

AND MUCH MORE…

For a full list of components and how to use them, visit https://ionicframework.com/docs/components