

Mobile Development



# NativeBase

**#7** React Native UI Components



# NativeBase

- **NativeBase** is a cross platform user interface toolkit, to make React Native development process easier

<https://nativebase.io/>

- Install NativeBase package:

```
$ npm install native-base --save
```

- Link NativeBase to our project!

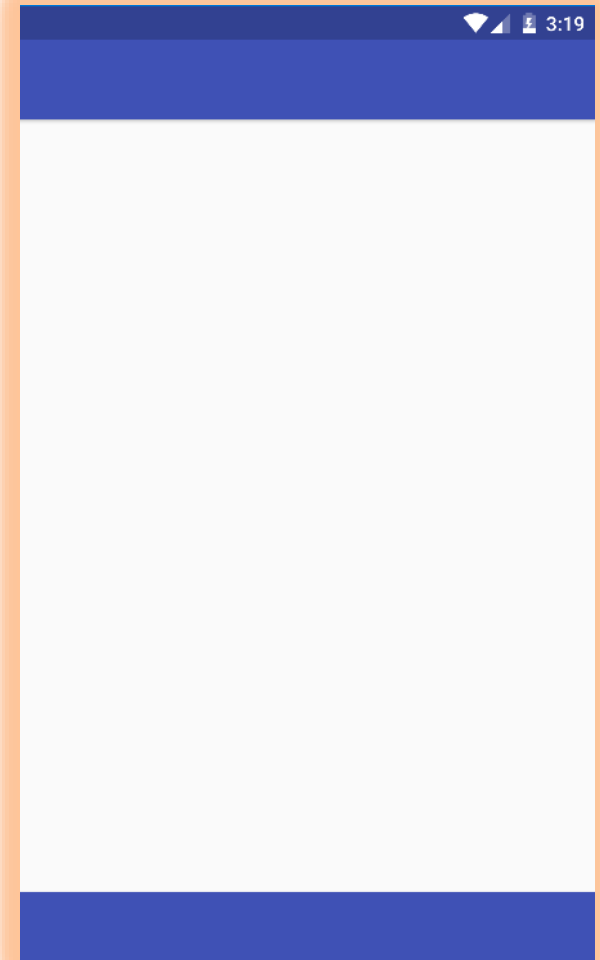
```
$ react-native link
```

# Base Anatomy

```
import React, { Component } from 'react';  
import { Container, Header, Content, Footer }  
from 'native-base';
```

```
class App extends Component {  
  render() {  
    return (  
      <Container>  
        <Header></Header>  
        <Content></Content>  
        <Footer></Footer>  
      </Container>  
    );  
  }  
}
```

```
export default App;
```



# Content

```
import React, { Component } from 'react';  
import { Container, Content, Text }  
from 'native-base';
```

```
class App extends Component {  
  render() {  
    return (  
      <Container>  
        <Content padder>  
          <Text>Selamat datang!</Text>  
        </Content>  
      </Container>  
    );  
  }  
}
```

```
export default App;
```

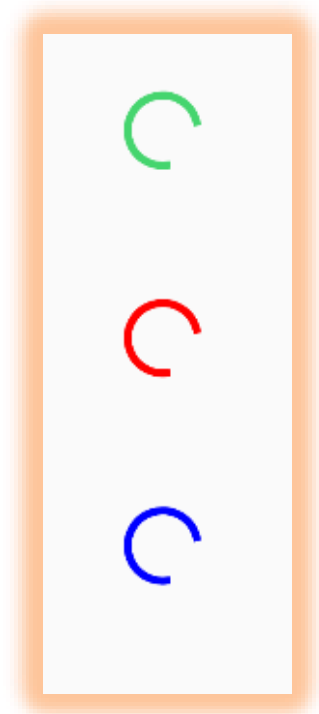


# Spinner

```
import React, { Component } from 'react';
import { Container, Content, Spinner }
from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <Spinner />
          <Spinner color='red' />
          <Spinner color='blue' />
        </Content>
      </Container>
    );
  }
}
```

```
export default App;
```

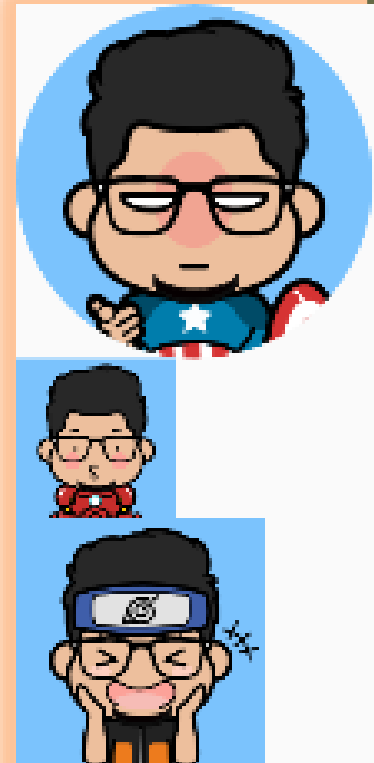


# Thumbnail

```
import React, { Component } from 'react';
import { Container, Content, Thumbnail, Text }
from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <Thumbnail large
            source={require('./gbr/lin1.png')} />
          <Thumbnail square small
            source={require('./gbr/lin2.png')} />
          <Thumbnail square
            source={{uri: 'https://...lin3.png'}} />
        </Content>
      </Container>
    );
  }
}
```

```
export default App;
```

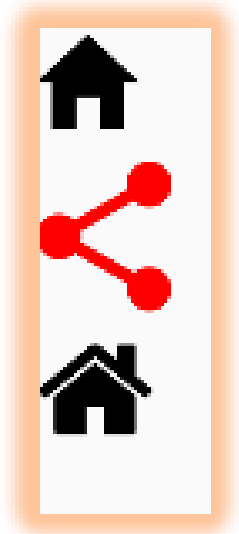


## Icon

```
import React, { Component } from 'react';
import { Container, Content, Icon }
from 'native-base';

class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <Icon name='home' />
          <Icon name='share'
            style={{fontSize: 40, color: 'red'}}/>
          <Icon name='home' type="FontAwesome" />
        </Content>
      </Container>
    );
  }
}

export default App;
```



By default, NativeBase's icons use RN vector icons, with *Ionicons* type!

# Button

## #Style

```
import React, { Component } from 'react';
import { Container, Content, Button, Text, Icon }
from 'native-base';

class App extends Component {
  render() {
    return (
      <Container>
        <Content>

          <Button light>
            <Text> Light </Text>
          </Button>

          <Button success>
            <Text> Success </Text>
          </Button>

        </Content>
      </Container>
    );
  }
}

export default App;
```





# Button

## #Attribute

```
<Button transparent info>  
  <Text> transparent info </Text>  
</Button>
```

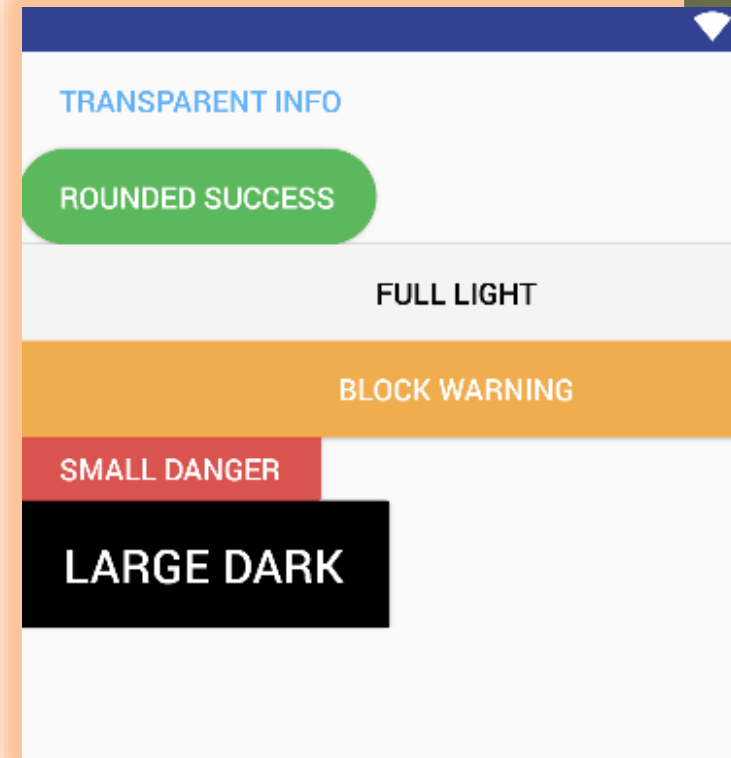
```
<Button rounded success>  
  <Text> rounded success </Text>  
</Button>
```

```
<Button full light>  
  <Text> full light </Text>  
</Button>
```

```
<Button block warning>  
  <Text> block warning </Text>  
</Button>
```

```
<Button small danger>  
  <Text> small danger </Text>  
</Button>
```

```
<Button large dark>  
  <Text> large dark </Text>  
</Button>
```



# Button

## #Icon

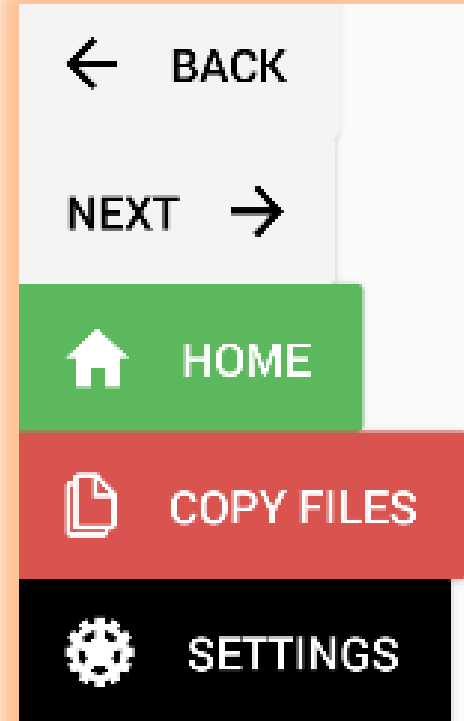
```
<Button iconLeft light>
  <Icon name='arrow-back' />
  <Text>Back</Text>
</Button>

<Button iconRight light>
  <Text>Next</Text>
  <Icon name='arrow-forward' />
</Button>

<Button iconLeft success>
  <Icon name='home' />
  <Text>Home</Text>
</Button>

<Button iconLeft danger>
  <Icon name='copy' />
  <Text>Copy Files</Text>
</Button>

<Button iconLeft dark>
  <Icon name='cog' />
  <Text>Settings</Text>
</Button>
```

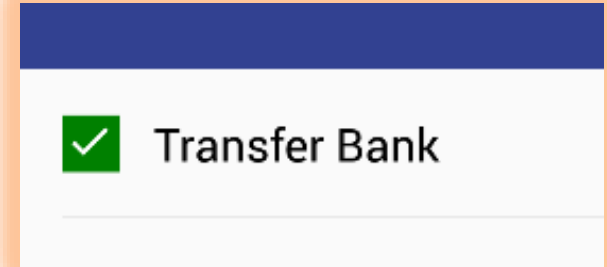


# Checkbox

```
import React, { Component } from 'react';
import { Container, Content, ListItem, CheckBox,
Text, Body } from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <ListItem>
            <CheckBox checked={true} color='green'
              onPress={()=>{}} />
            <Body>
              <Text> Transfer Bank </Text>
            </Body>
          </ListItem>
        </Content>
      </Container>
    );
  }
}
```

```
export default App;
```

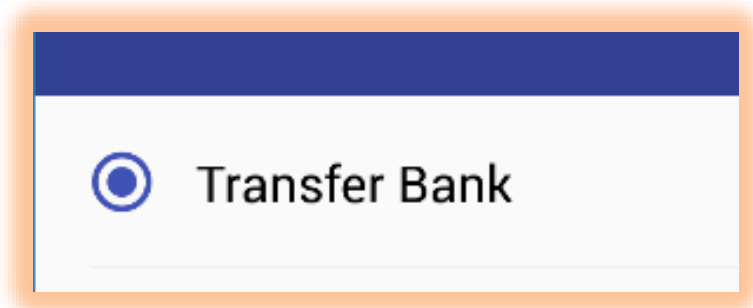


# Radio Button

```
import React, { Component } from 'react';
import { Container, Content, ListItem, Text, Radio, Left }
from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <ListItem>
            <Radio selected={true} onPress={()=>{}}/>
            <Text style={{marginLeft:10}}> Transfer Bank </Text>
          </ListItem>
        </Content>
      </Container>
    );
  }
}
```

```
export default App;
```



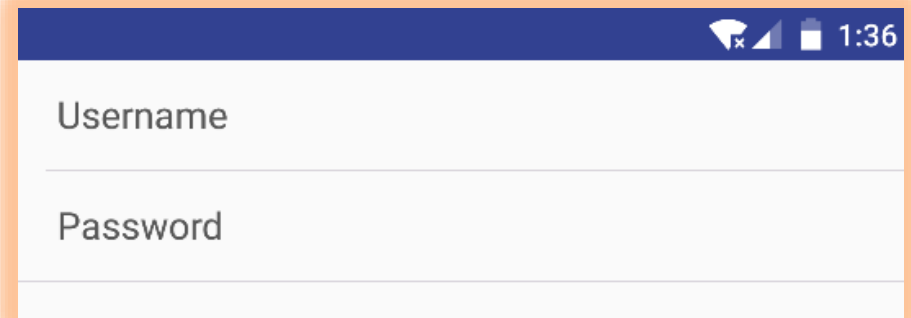
# Form

## #Basic

```
import React, { Component } from 'react';
import { Container, Content, Form, Item,
Input } from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container><Content>
        <Form>
          <Item>
            <Input placeholder="Username" />
          </Item>
          <Item last>
            <Input placeholder="Password" />
          </Item>
        </Form>
      </Content></Container>
    );
  }
}

export default App;
```



A screenshot of a mobile application interface. At the top, there is a dark blue status bar with icons for Wi-Fi, cellular signal, and battery, along with the time 1:36. Below the status bar is a white rectangular area containing two input fields. The first field is labeled 'Username' and the second field is labeled 'Password'. Both fields are empty and have a light gray border. The entire interface is framed by a thin orange border.

# Form

#Floating  
Label

```
import React, { Component } from 'react';
import { Container, Content, Form, Item,
Input, Label } from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container><Content>
        <FormItem floatingLabel>
            <Label> Username </Label><Input />
          </Item>
          <Item floatingLabel last>
            <Label> Password </Label><Input />
          </Item>
        </Form>
      </Content></Container>
    );
  }
}

export default App;
```

Username

Lintang

Password

12345

# Badge

```
import React, { Component } from 'react';
import { Container, Content, Badge, Text, Icon }
from 'native-base';

class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <Badge primary> // success info warning danger
            <Text> 12 </Text>
          </Badge>
          <Badge warning>
            <Icon name="star"
              style={{ fontSize:15, color:"#fff", lineHeight:20}}/>
          </Badge>
          <Badge style={{ backgroundColor: 'black' }}>
            <Text style={{ color: 'white' }}> 1866 </Text>
          </Badge>
        </Content>
      </Container>
    );
  }
}

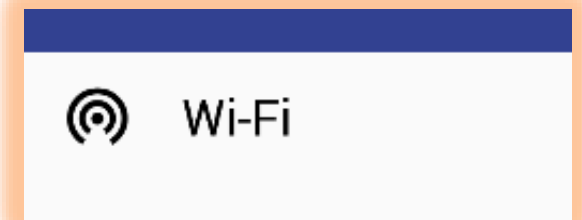
export default App;
```



```
import React, { Component } from 'react';
import { Container, Content, List, ListItem,
Text, Icon, Left, Body } from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <List>
            <ListItem icon>
              <Left><Icon name="wifi" /></Left>
              <Body><Text> Wi-Fi </Text></Body>
            </ListItem>
          </List>
        </Content>
      </Container>
    );
  }
}
```

```
export default App;
```





```
import React, { Component } from 'react';
import { Container, Content, Icon, List,
ListItems, Left, Body, Thumbnail, Text }
from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container><Content>
        <List><ListItems avatar>
          <Left>
            <Thumbnail source={require('./gbr/lin1.png')} />
          </Left>
          <Body>
            <Text> Lintang Wisesa </Text>
            <Text note> NIM 10/300414/PA/13247 </Text>
          </Body>
        </ListItems></List>
      </Content></Container>
    );
  }
}
```

```
export default App;
```



Lintang Wisesa

NIM 10/300414/PA/13247

# List

## #Header

```
import React, { Component } from 'react';
import { Container, Content, List, ListItem,
Text } from 'native-base';

export default class App extends Component {
  render() {
    return (
      <Container><Content><List>
        <ListItem itemHeader first>
          <Text> MENU MAKANAN </Text>
        </ListItem>
        <ListItem >
          <Text> Nasi Gudeg </Text>
        </ListItem>
        <ListItem>
          <Text> Nasi Uduk </Text>
        </ListItem>
        <ListItem last>
          <Text> Nasi Goreng </Text>
        </ListItem>
      </List></Content></Container>
    );
  }
}
```

MENU MAKANAN

Nasi Gudeg

Nasi Uduk

Nasi Goreng

# Layout

```
import React, { Component } from 'react';
import { Container, Content } from 'native-base';
import { Col, Row, Grid } from 'native-base';

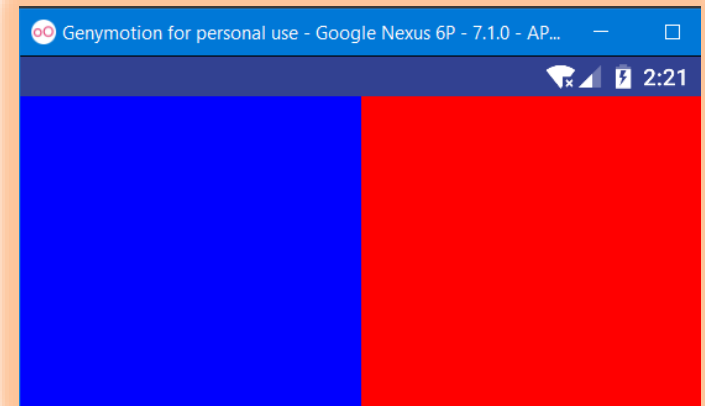
class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <Grid>

            <Col style={{ backgroundColor:'blue', height:200 }}>
          </Col>

            <Col style={{ backgroundColor:'red', height:200 }}>
          </Col>

          </Grid>
        </Content>
      </Container>
    );
  }
}

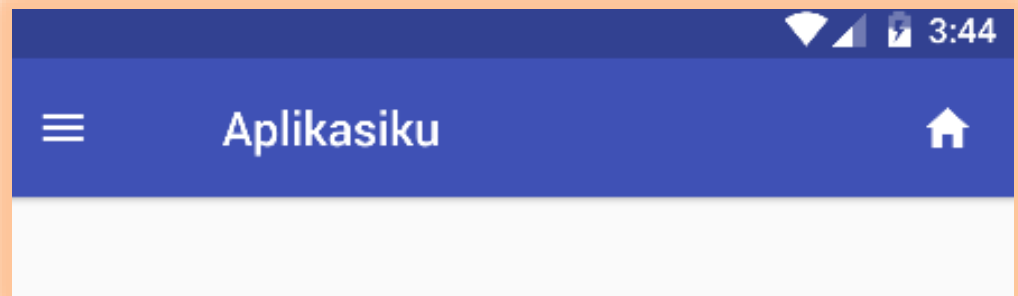
export default App;
```



# Header

```
import React, { Component } from 'react';  
import { Container, Header, Button, Icon, Left, Right,  
Body, Title } from 'native-base';
```

```
class App extends Component {  
  render() {  
    return (  
      <Container>  
        <Header>  
          <Left>  
            <Button transparent><Icon name='menu' /></Button>  
          </Left>  
          <Body><Title>Aplikasiku</Title></Body>  
          <Right>  
            <Button transparent><Icon name='home' /></Button>  
          </Right>  
        </Header>  
      </Container>  
    );  
  }  
}  
  
export default App;
```



# Header

## #Icon

```
import React, { Component } from 'react';
import { Container, Header, Left, Body, Right,
Button, Icon, Title } from 'native-base';

class App extends Component {
  render() {
    return (
      <Container>
        <Header>

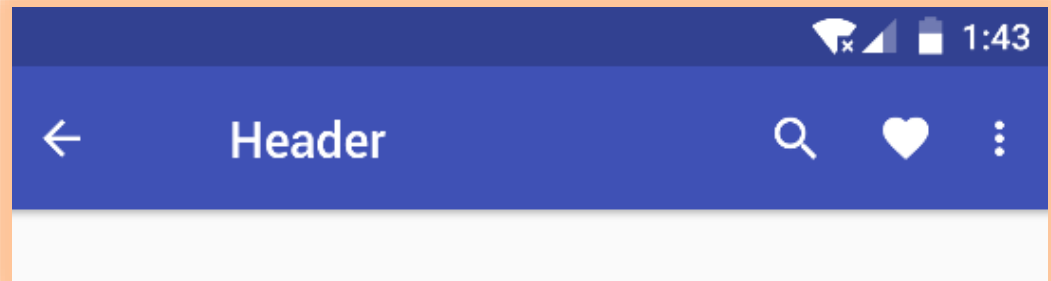
          <Left><Button transparent><Icon name='arrow-back' />
          </Button></Left>

          <Body><Title> Header </Title></Body>

          <Right><Button transparent><Icon name='search' />
          </Button>
          <Button transparent><Icon name='heart' /></Button>
          <Button transparent><Icon name='more' /></Button>
        </Right>

      </Header>
    </Container>
  );
}

export default App;
```



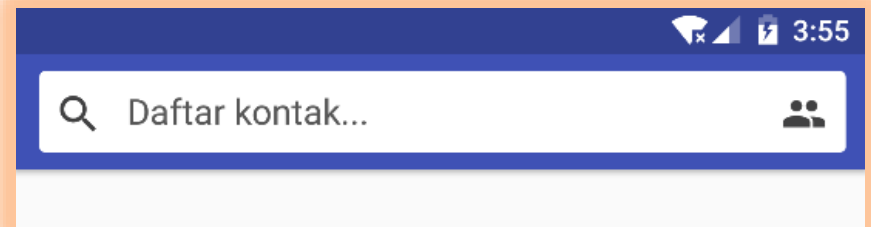
# Header

## #SearchBar

```
import React, { Component } from 'react';
import { Container, Header, Item,
Input, Icon } from 'native-base';

class App extends Component {
  render() {
    return (
      <Container>
        <Header searchBar rounded>
          <Item>
            <Icon name="search" />
            <Input placeholder="Daftar kontak..." />
            <Icon name="people" />
          </Item>
        </Header>
      </Container>
    );
  }
}

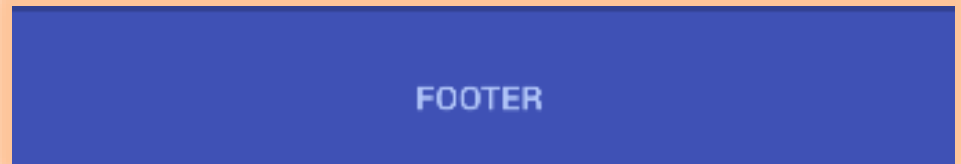
export default App;
```



```
import React, { Component } from 'react';  
import { Container, Footer, FooterTab, Button, Text }  
from 'native-base';
```

```
class App extends Component {  
  render() {  
    return (  
      <Container>  
        <Footer>  
          <FooterTab>  
            <Button full>  
              <Text>Footer</Text>  
            </Button>  
          </FooterTab>  
        </Footer>  
      </Container>  
    );  
  }  
}
```

```
export default App;
```



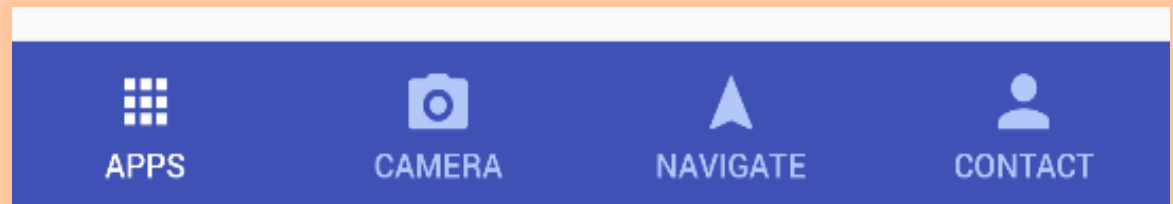
# Footer

## #Tab

```
import React, { Component } from 'react';
import { Container, Header, Content, Footer,
FooterTab, Button, Icon, Text } from 'native-base';

class App extends Component {
  render() {
    return (
      <Container><Header /><Content />
        <Footer><FooterTab>
          <Button vertical active><Icon name="apps" />
            <Text> Apps </Text></Button>
          <Button vertical><Icon name="camera" />
            <Text> Camera </Text></Button>
          <Button vertical><Icon active name="navigate" />
            <Text> Navigate </Text></Button>
          <Button vertical><Icon name="person" />
            <Text> Contact </Text></Button>
        </FooterTab></Footer>
      </Container>
    );
  }
}

export default App;
```





```
import React, { Component } from 'react';  
import { Container, View, Button, Icon, Fab }  
from 'native-base';
```

```
class App extends Component {  
  constructor() {  
    super();  
    this.state = {active: true};  
  }  
  render() {  
    return (  
      <Container>  
        <View style={{ flex: 1 }}>  
          <Fab  
            active={this.state.active}  
            direction="up"  
            style={{ backgroundColor: '#5067FF' }}  
            position="bottomRight"  
            onPress={() => this.setState({  
              active: !this.state.active })}>  
            <Icon name="share" />  
          </Fab>  
        </View>  
      </Container>  
    );  
  }  
}
```



• • • • •

```
<Button style={{ backgroundColor: '#34A34F' }}>  
  <Icon name="logo-whatsapp" />  
</Button>
```

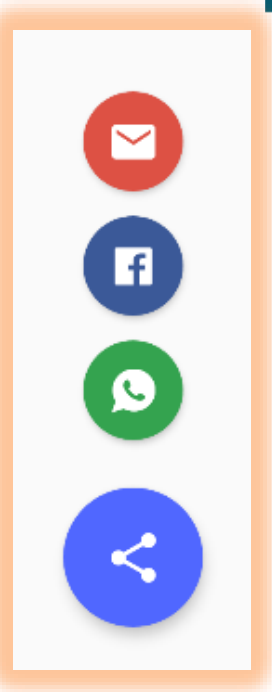
```
<Button style={{ backgroundColor: '#3B5998' }}>  
  <Icon name="logo-facebook" />  
</Button>
```

```
<Button style={{ backgroundColor: '#DD5144' }}>  
  <Icon name="mail" />  
</Button>
```

```
  </Fab>  
</View>  
</Container>  
);}}
```

*direction: up down left right*  
*position: topRight topLeft bottomLeft*

```
export default App;
```



# Card

## #Showcase Part 1

```
import React, { Component } from 'react';
import { Image } from 'react-native';
import { Container, Content, Card, CardItem,
Thumbnail, Text, Button, Icon, Left, Body }
from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container>
        <Content><Card style={{flex: 0}}>
          <CardItem>
            <Left>
              <Thumbnail
                source={require('./lin1.png')} />
              <Body>
                <Text> Lintang Wisesa </Text>
                <Text note> April 10, 2018 </Text>
              </Body>
            </Left>
          </CardItem>
```



Lintang Wisesa

April 10, 2018

Barcelona kucinta ❤️



👍 1,926 STARS

# Card

## #Showcase Part 1

```
• • • • •  
<CardItem>
```

```
<Body>
```

```
<Text> Barcelona kucinta ♥ </Text>
```

```
<Image source={{uri: 'https://...barca.jpg'}}  
  style={{height: 200, width: 370, flex: 1}}/>
```

```
</Body>
```

```
</CardItem>
```

```
<CardItem>
```

```
<Left>
```

```
<Button transparent textStyle={{color: '#87838B'}}>
```

```
<Icon name="thumbs-up" />
```

```
<Text> 1,926 stars </Text>
```

```
</Button>
```

```
</Left>
```

```
</CardItem>
```

```
</Card>
```

```
</Content>
```

```
</Container>
```

```
);}}
```

```
export default App;
```



Lintang Wisesa

April 10, 2018

Barcelona kucinta ♥



👍 1,926 STARS

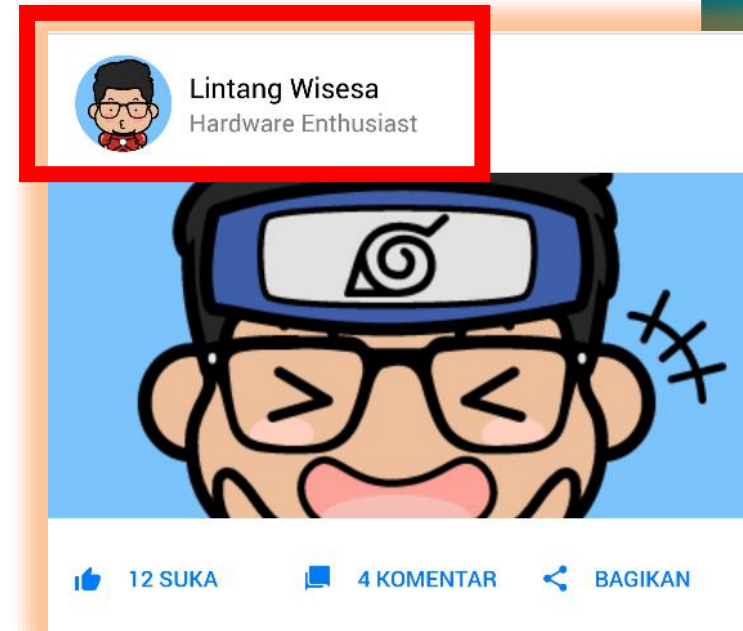
# Card

## #Image

### Part 1

```
import React, { Component } from 'react';
import { Image } from 'react-native';
import { Container, Content, Card, CardItem,
Thumbnail, Text, Button, Icon, Left, Body,
Right } from 'native-base';
```

```
class App extends Component {
  render() {
    return (
      <Container>
        <Content>
          <Card>
            <CardItem>
              <Left>
                <Thumbnail
                  source={require('./lin2.png')}/>
                <Body>
                  <Text> Lintang Wisesa </Text>
                  <Text note> Hardware Enthusiast </Text>
                </Body>
              </Left>
            </CardItem>
          </Card>
        </Content>
      </Container>
    );
  }
}
```



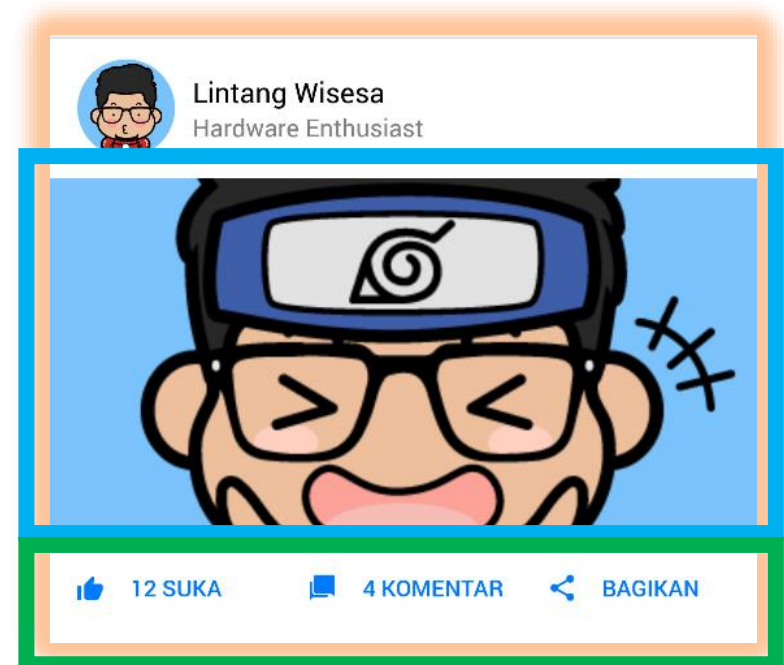
# Card

## #Image

### Part 2

```
• • • • •  
<CardItem cardBody>  
  <Image source={require('./gbr/lin3.png')}  
    style={{height: 200, width: null, flex: 1}}/>  
</CardItem>  
<CardItem>  
  <Left><Button transparent>  
    <Icon active name="thumbs-up" />  
    <Text> 12 Suka </Text>  
  </Button></Left>  
  <Body><Button transparent>  
    <Icon active name="chatbubbles" />  
    <Text> 4 Komentar </Text>  
  </Button></Body>  
  <Right><Button transparent>  
    <Icon active name="share" />  
    <Text> Bagikan </Text>  
  </Button></Right>  
</CardItem>  
</Card>  
</Content>  
</Container>  
);}}
```

```
export default App;
```



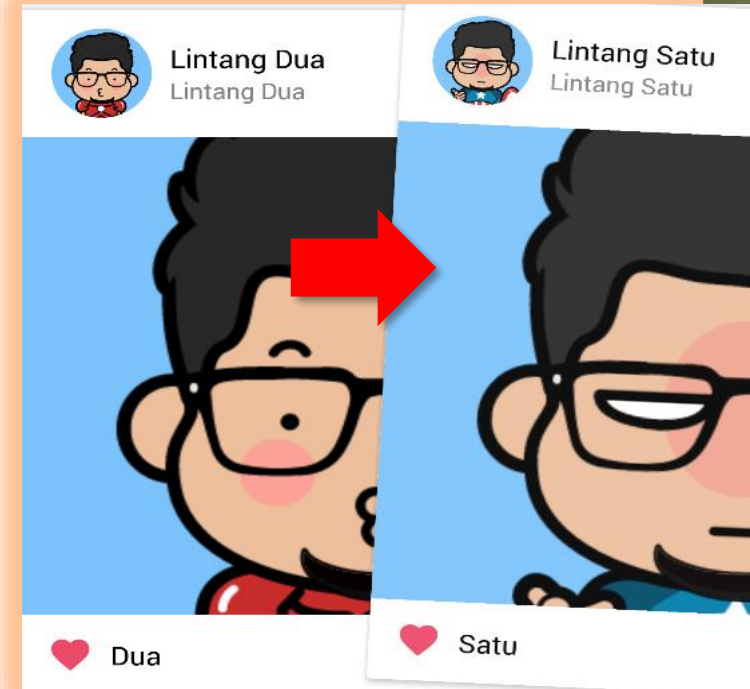
# Deck Swiper

## #part 1

```
import React, { Component } from 'react';
import { Image } from 'react-native';
import { Container, View, DeckSwiper, Card,
CardItem, Thumbnail, Text, Left, Body, Icon }
from 'native-base';
```

```
const cards = [
  {
    text: 'Lintang Satu',
    name: 'Satu',
    image: require('./gbr/lin1.png'),
  },
  {
    text: 'Lintang Dua',
    name: 'Dua',
    image: require('./gbr/lin2.png'),
  },
  {
    text: 'Lintang Tiga',
    name: 'Tiga',
    image: require('./gbr/lin3.png'),
  },
];
```

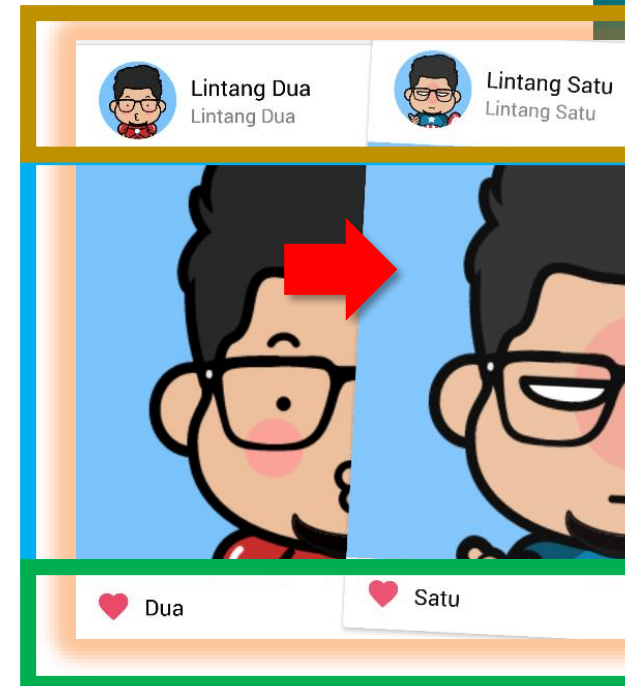
• • • • •



# Deck Swiper

## #part 2

```
export default class App extends Component {
  render() {
    return (
      <Container><View>
        <DeckSwiper
          dataSource={cards} renderItem={item =>
            <Card style={{ elevation: 3 }}>
              <CardItem>
                <Left>
                  <Thumbnail source={item.image} />
                  <Body>
                    <Text>{item.text}</Text>
                    <Text note>{item.text}</Text>
                  </Body>
                </Left>
              </CardItem>
              <CardItem cardBody>
                <Image style={{ height: 300, flex: 1 }}
                  source={item.image} />
              </CardItem>
              <CardItem>
                <Icon name="heart" style={{ color: '#ED4A6A' }} />
                <Text>{item.name}</Text>
              </CardItem>
            </Card>{}/>
          </View>
        </Container>
      );
    }
```





Mobile Development



# NativeBase

**#7** React Native UI Components