

Mobile Development



## #4 React Native Elements



- **React Native Elements** is a cross platform user interface toolkit, to make React Native development process easier  
<https://react-native-training.github.io/react-native-elements/>

- Install React Native Elements package (*you have to install React Native vector icons package too!*)

```
$ npm install react-native-elements --save
```

```
$ npm install react-native-vector-icons --save
```

- Link React Native Vector Icons package to make it works with our React Native Elements' project!

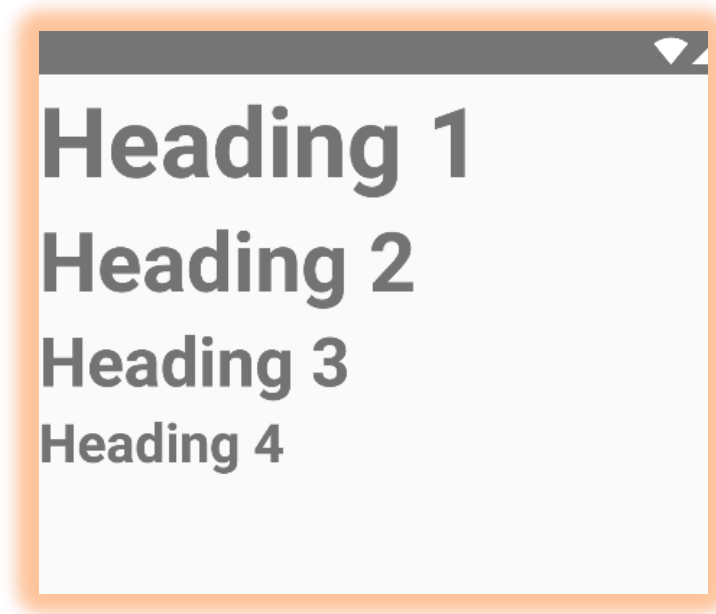
```
$ react-native link react-native-vector-icons
```

# Heading Text

```
import React, { Component } from 'react';  
import { View } from 'react-native';  
import { Text } from 'react-native-elements'
```

```
class App extends Component {  
  render() {  
    return (  
      <View>  
        <Text h1>Heading 1</Text>  
        <Text h2>Heading 2</Text>  
        <Text h3>Heading 3</Text>  
        <Text h4>Heading 4</Text>  
      </View>  
    );  
  }  
}
```

```
export default App;
```

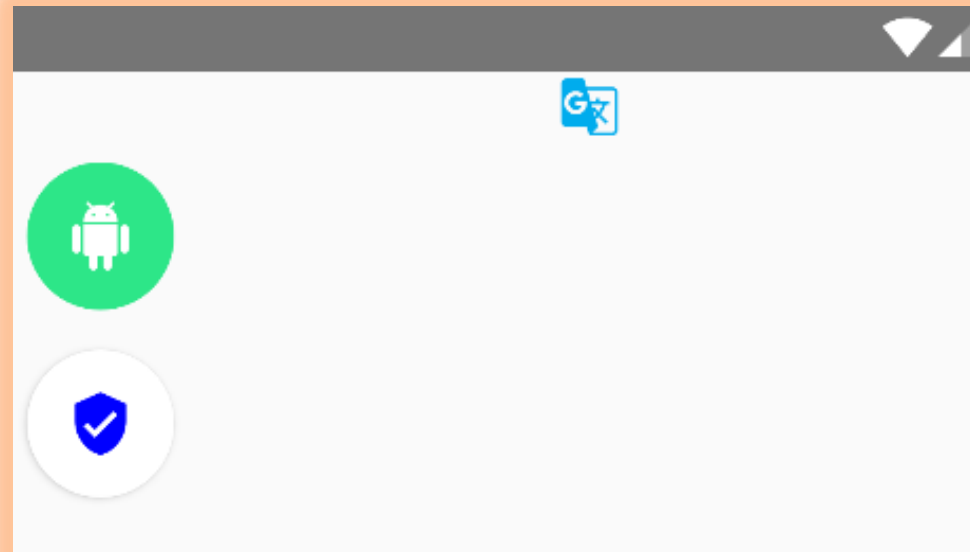


# Icon #1

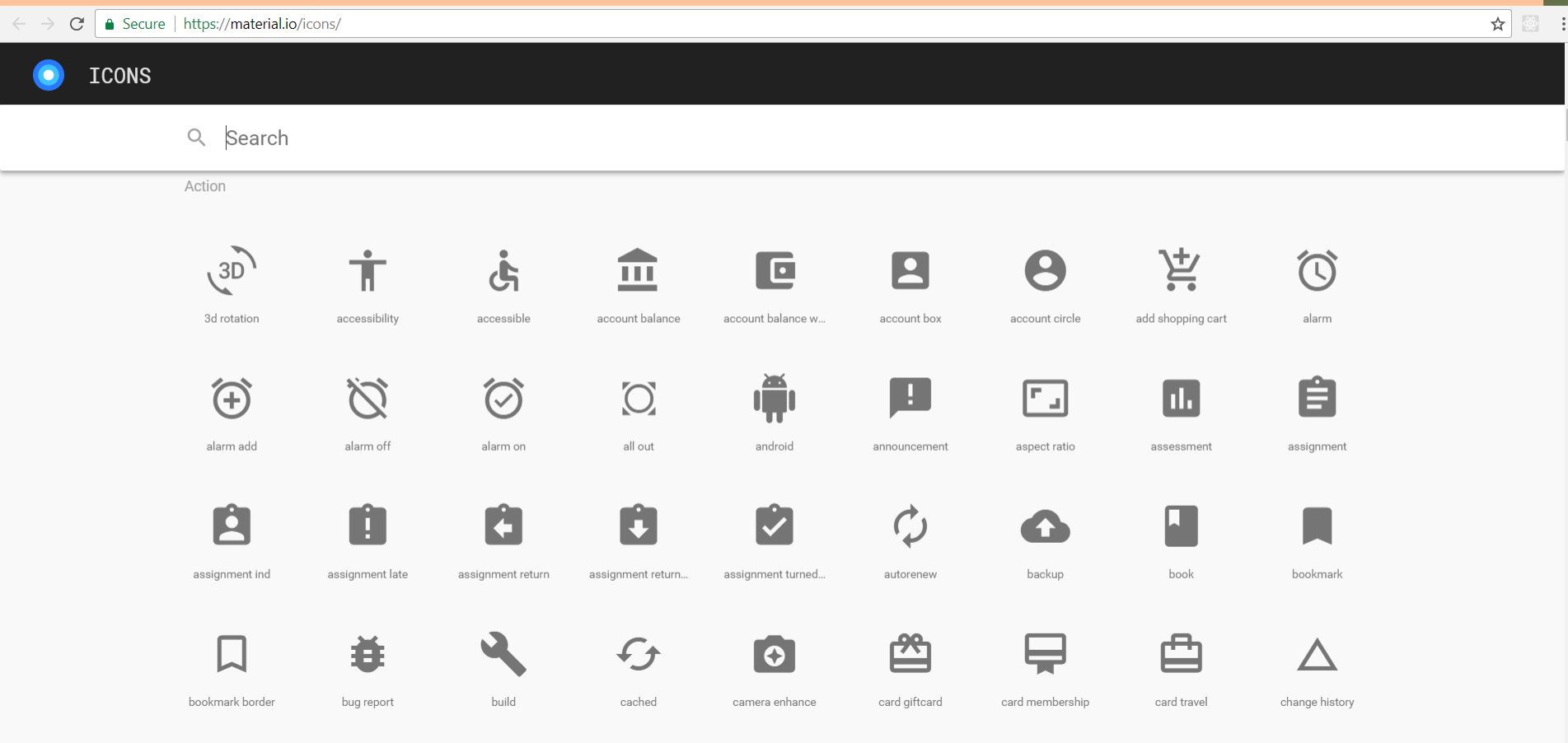
```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Icon } from 'react-native-elements';

class App extends Component {
  render() {
    return (
      <View>
        <Icon name='g-translate' color='#00aced' size={30} />
        <Icon name='android' color='#2DE688' reverse />
        <Icon name='verified-user' color='blue' raised />
      </View>
    );
  }
}

export default App;
```



# material.io/icons/



## Icon #2

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Icon } from 'react-native-elements';

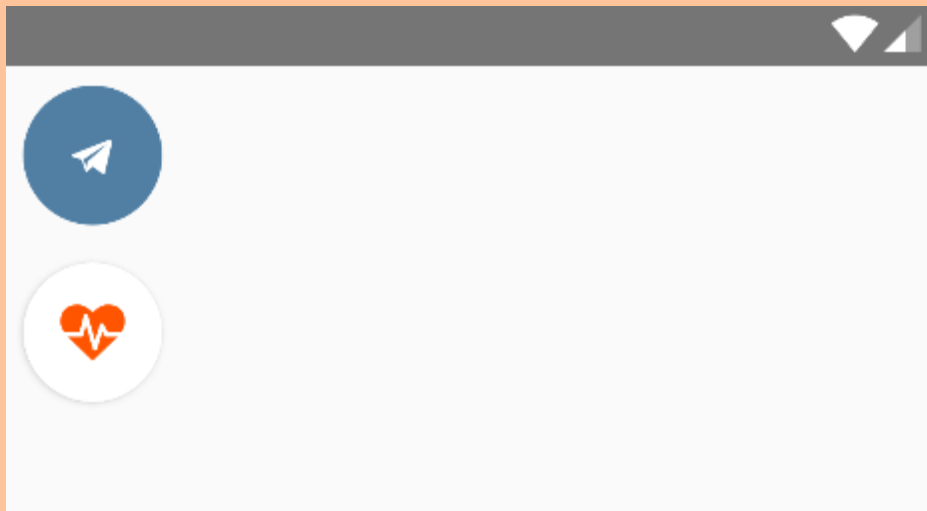
class App extends Component {
  render() {
    return (
      <View>

        <Icon reverse name='sc-telegram' type='evilicon'
          color='#517fa4' size={30} />

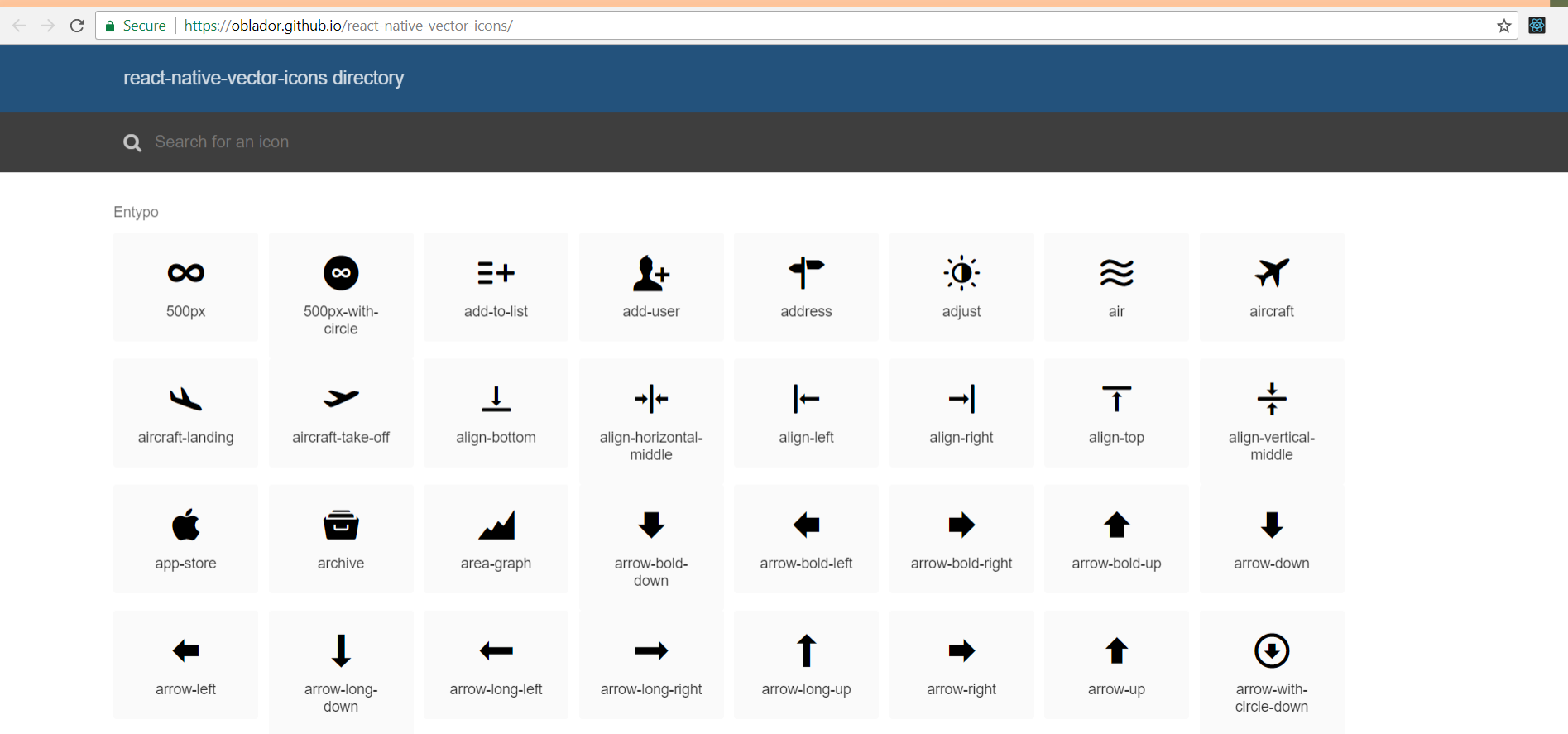
        <Icon raised name='heartbeat' type='font-awesome'
          color='#f50'
          onPress={() => {}} />

      </View>
    );
  }
}

export default App;
```



# oblador.github.io/react-native-vector-icons/



## Icon #3

```
import React, { Component } from 'react';
import { View } from 'react-native';
import Icon
from 'react-native-vector-icons/FontAwesome';
```

```
class App extends Component {
  render() {
    return (
      <View>
        <Icon name='facebook' color='blue'
          style={{fontSize:50}} />
        <Icon name='heartbeat' color='pink'
          style={{fontSize:50}} />
      </View>
    );
  }
}
```

```
export default App;
```



**List of FontAwesome Icon:**  
*node\_modules/react-native-vector-  
icons/glyphmaps/FontAwesome.json*



## ▲ glyphmaps

```
{ } Entypo.json
{ } Evilcons.json
{ } Feather.json
{ } FontAwesome.json
{ } Foundation.json
{ } Ionicons.json
{ } MaterialCommunityIcons.json
{ } MaterialIcons.json
{ } Octicons.json
{ } SimpleLineIcons.json
{ } Zocial.json
```

There are several icon sets that you can use!

- Entypo
- Evilicons
- Feather
- FontAwesome
- Foundation
- Ionicons
- MCI
- MaterialIcons
- Octicons
- SimpleLine
- Zocial

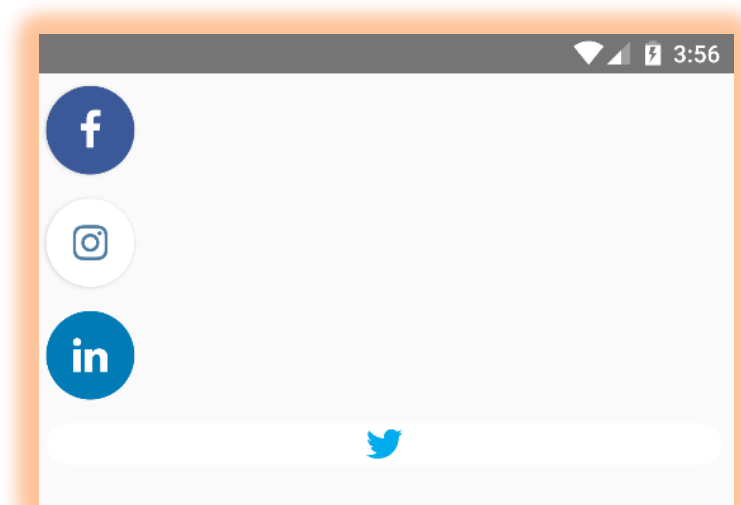
# Social Icon #Icon

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { SocialIcon } from 'react-native-elements'

class App extends Component {
  render() {
    return (
      <View>
        <SocialIcon type='facebook' />
        <SocialIcon light type='instagram' />
        <SocialIcon raised={false} type='linkedin' />
        <SocialIcon light raised={false} type='twitter' />
      </View>
    );
  }
}

export default App;
```

*App.js*



# Social Icon *#Type*

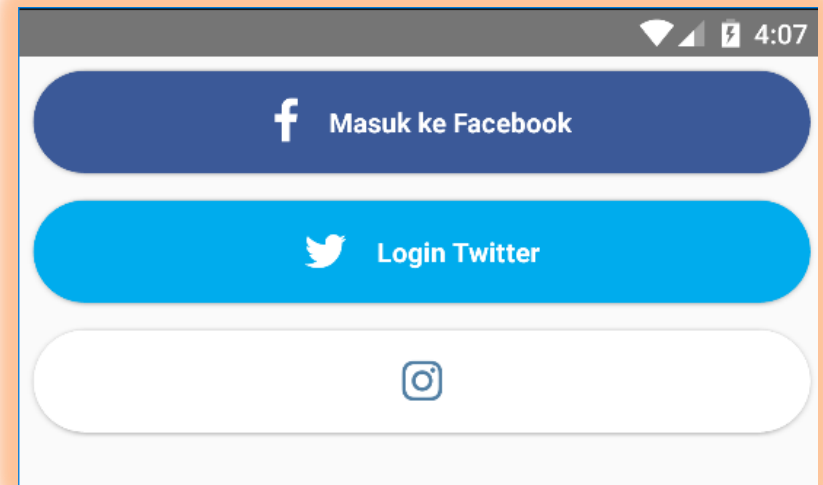
- angellist
- codepen
- envelope
- etsy
- facebook
- foursquare
- github-alt
- github
- gitlab
- instagram
- linkedin
- medium
- pinterest
- quora
- reddit-alien
- soundcloud
- stack-overflow
- steam
- stumbleupon
- tumblr
- twitch
- twitter
- google-plus-official
- vimeo
- wordpress
- youtube

# Social Icon #Button

```
<SocialIcon  
  title='Masuk ke Facebook'  
  button  
  type='facebook'  
>
```

```
<SocialIcon  
  title='Login Twitter'  
  button  
  type='twitter'  
>
```

```
<SocialIcon  
  button  
  light  
  type='instagram'  
>
```



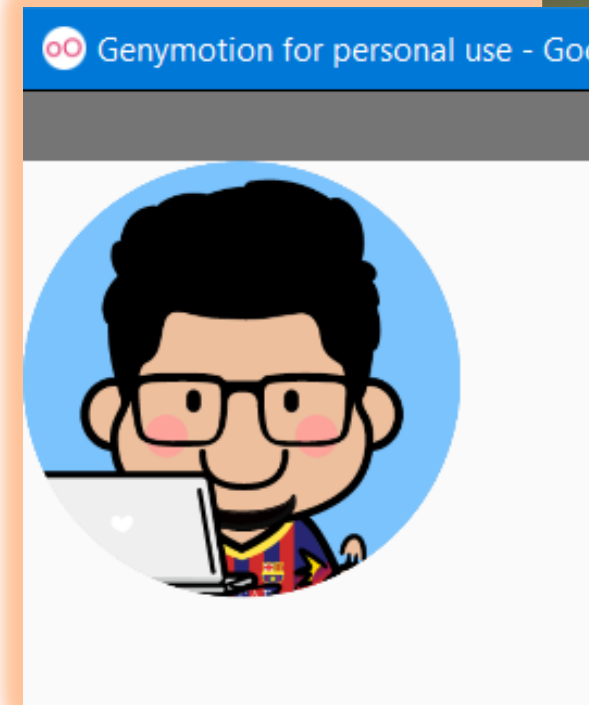
# Avatar

## #Local

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Avatar } from 'react-native-elements';
```

```
class App extends Component {
  render() {
    return (
      <View>
        <Avatar
          xlarge //small medium large
          rounded
          source={require('./gbr/lin1.png')}
          onPress={() => {}}
          activeOpacity={0.7}
        />
      </View>
    );
  }
}
```

```
export default App;
```



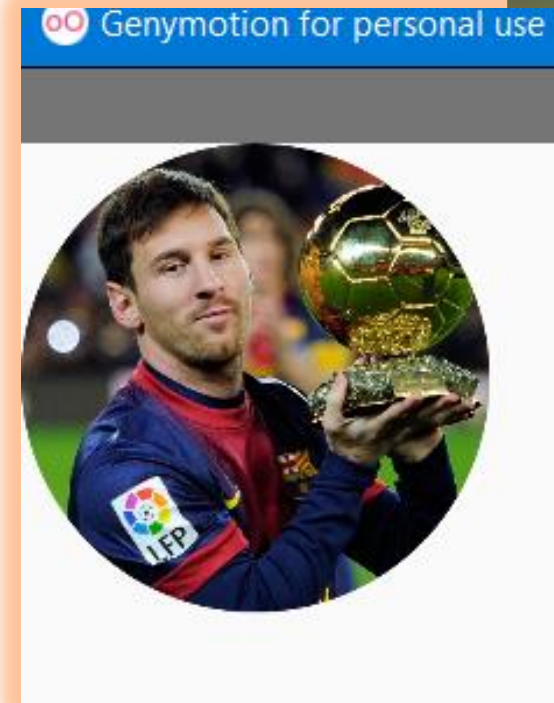
# Avatar

## #URL

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Avatar } from 'react-native-elements';
```

```
class App extends Component {
  render() {
    return (
      <View>
        <Avatar
          xlarge //small medium large
          rounded
          source={{uri:"https://...messi.jpg"}}
          onPress={() => {}}
          activeOpacity={0.7}
        />
      </View>
    );
  }
}
```

```
export default App;
```

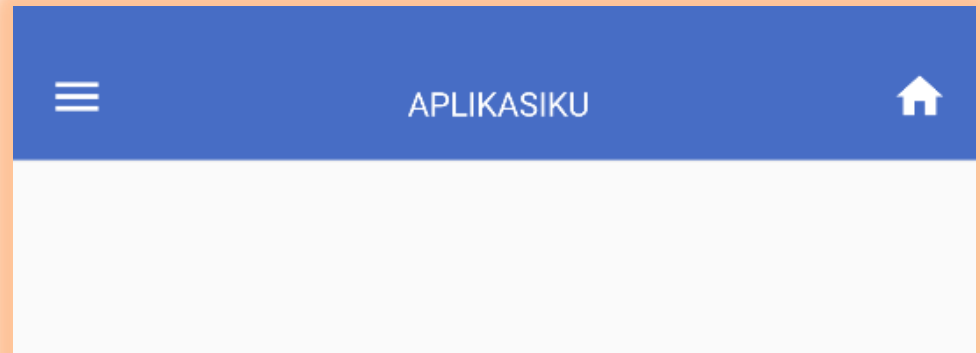


# Header

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Header } from 'react-native-elements';

class App extends Component {
  render() {
    return (
      <View>
        <Header
          backgroundColor={'purple'}
          leftComponent={{
            icon:'menu', color:'#fff' }}
          centerComponent={{
            text:'APLIKASIKU', style: {color:'#fff'} }}
          rightComponent={{
            icon:'home', color:'#fff' }}
        />
      </View>
    );
  }
}

export default App;
```



# Badge

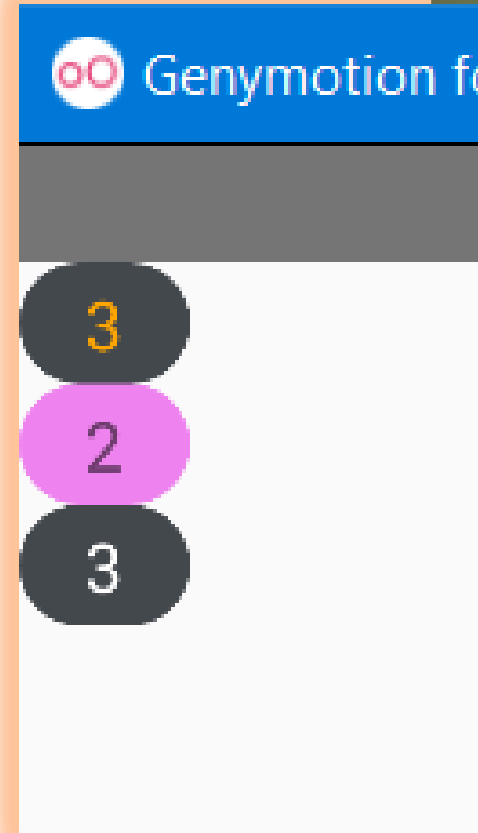
```
import React, { Component } from 'react';
import { View, Text } from 'react-native';
import { Badge } from 'react-native-elements'

class App extends Component {
  render() {
    return (
      <View style={{width:35}}>
        <Badge
          value={3}
          textStyle={{ color: 'orange' }}
        />

        <Badge containerStyle={{
          backgroundColor: 'violet'}}>
          <Text>2</Text>
        </Badge>

        <Badge onPress={() => {}} value="3"/>
      </View>
    );
  }
}

export default App;
```



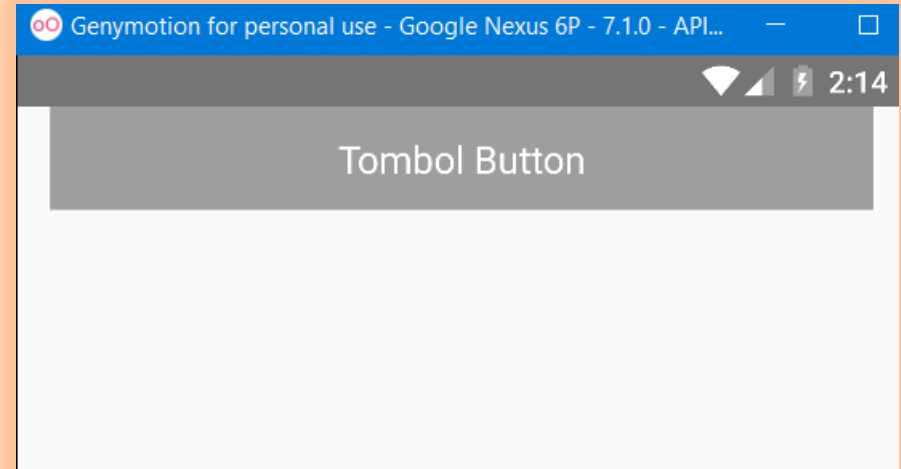


# Button #1

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Button } from 'react-native-elements';

class App extends Component {
  render() {
    return (
      <View>
        <Button title='Tombol Button' />
      </View>
    );
  }
}

export default App;
```



## Button #2

• • • • •  
<**Button**

```
    title="Loading ..."
```

```
    loading
```

```
    loadingProps={{size:"large", color:"white"}}}
```

```
    titleStyle={{fontWeight:"700"}}}
```

```
    buttonStyle={{
```

```
        backgroundColor:"purple",
```

```
        width: 380,
```

```
        height: 45,
```

```
        borderColor: "transparent",
```

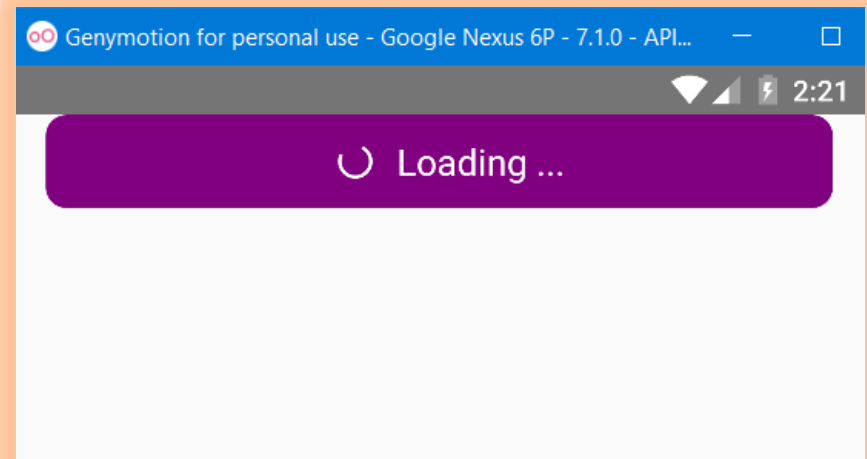
```
        borderWidth: 0,
```

```
        borderRadius: 10
```

```
    }}}
```

```
/>
```

• • • • •



# Divider

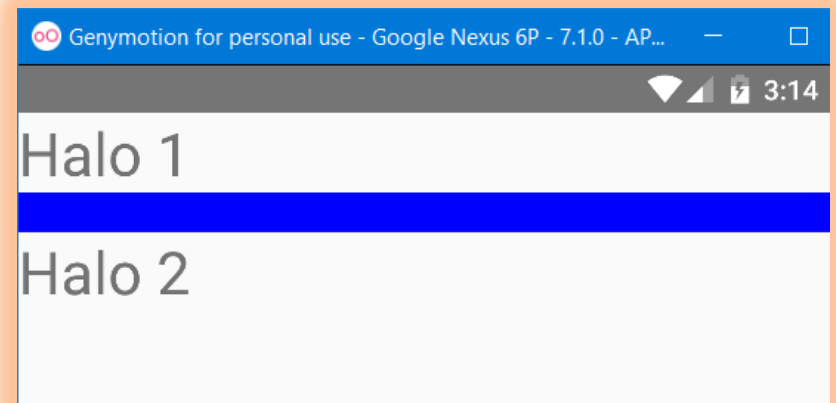
```
import React, { Component } from 'react';
import { Text, View } from 'react-native';
import { Divider } from 'react-native-elements'

class App extends Component {
  render() {
    return (
      <View>
        <Text style={{fontSize:30}}> Halo 1 </Text>

        <Divider style={
          {height:20, backgroundColor:'blue'}} />

        <Text style={{fontSize:30}}> Halo 2 </Text>
      </View>
    );
  }
}

export default App;
```



# Form Input

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { FormInput } from 'react-native-elements';

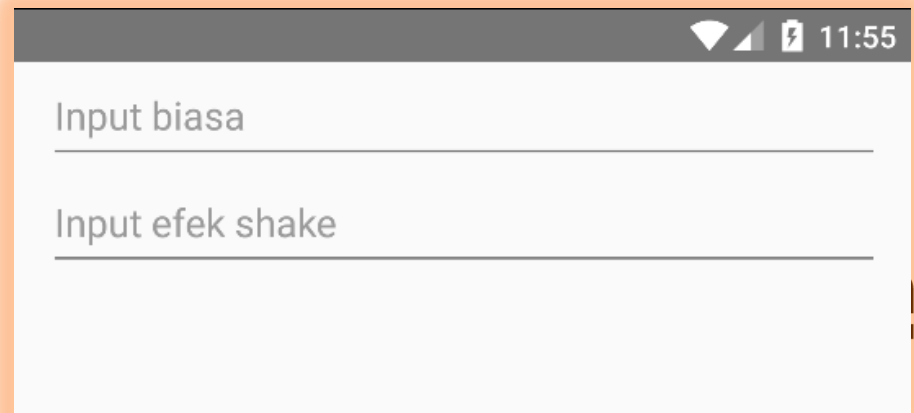
class App extends Component {
  render() {
    return (
      <View>

        <FormInput placeholder='Input biasa' />

        <FormInput
          placeholder='Input efek shake' shake={true} />

      </View>
    );
  }
}

export default App;
```



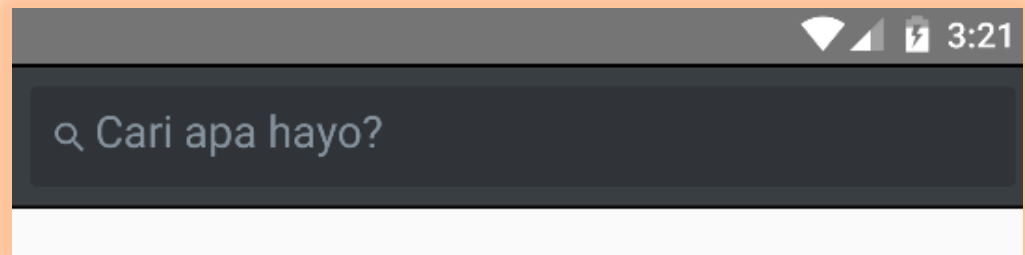
# SearchBar

## #Basic

```
import React, { Component } from 'react';  
import { View } from 'react-native';  
import { SearchBar } from 'react-native-elements'
```

```
class App extends Component {  
  render() {  
    return (  
      <View>  
        <SearchBar  
          onChangeText={()=>{}}  
          onClear={()=>{}}  
          placeholder='Cari apa hayo?' />  
      </View>  
    );  
  }  
}
```

```
export default App;
```



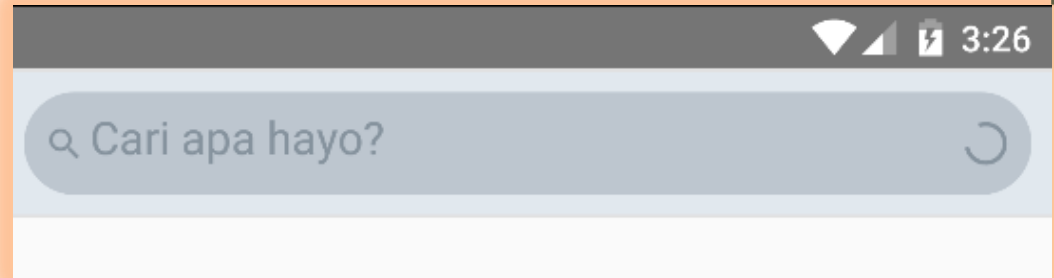
# SearchBar

## #Basic 2

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { SearchBar } from 'react-native-elements';
```

```
class App extends Component {
  render() {
    return (
      <View>
        <SearchBar
          lightTheme
          round
          showLoadingIcon
          onChangeText={( )=>{}}
          onClear={( )=>{}}
          placeholder='Cari apa hayo?'/>
        </View>
      );
    }
  }
}
```

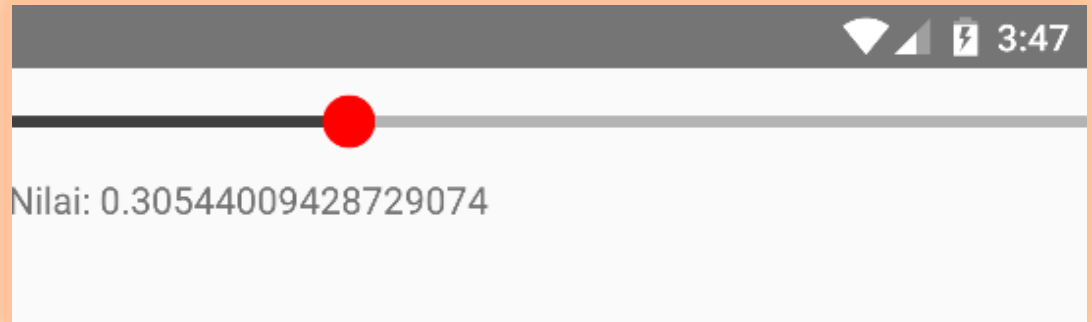
```
export default App;
```



```
import React, { Component } from 'react';
import { View, Text } from 'react-native';
import { Slider } from 'react-native-elements'
```

```
class App extends Component {
  constructor(){
    super();
    this.state={}
  }
  render() {
    return (
      <View>
        <Slider
          value={this.state.val}
          onChange={(val) => this.setState({val})} />
        <Text> Nilai: {this.state.val} </Text>
      </View>
    );
  }
}
```

```
export default App;
```

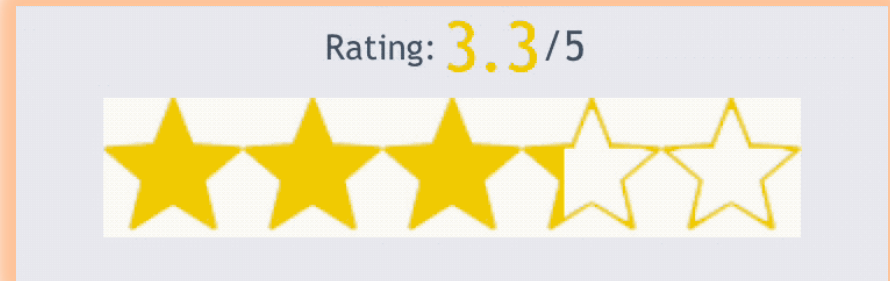


# Rating #Basic

```
import React, { Component } from 'react';
import { View, Alert } from 'react-native';
import { Rating } from 'react-native-elements';
```

```
class App extends Component {
  render() {
    return (
      <View>
        <Rating
          type="star"           // heart, rocket, bell
          ratingCount={5}
          fractions={1}
          startingValue={2.57}
          imageSize={80}
          showRating
          style={{paddingVertical: 10}}
        />
      </View>
    );
  }
}

export default App;
```

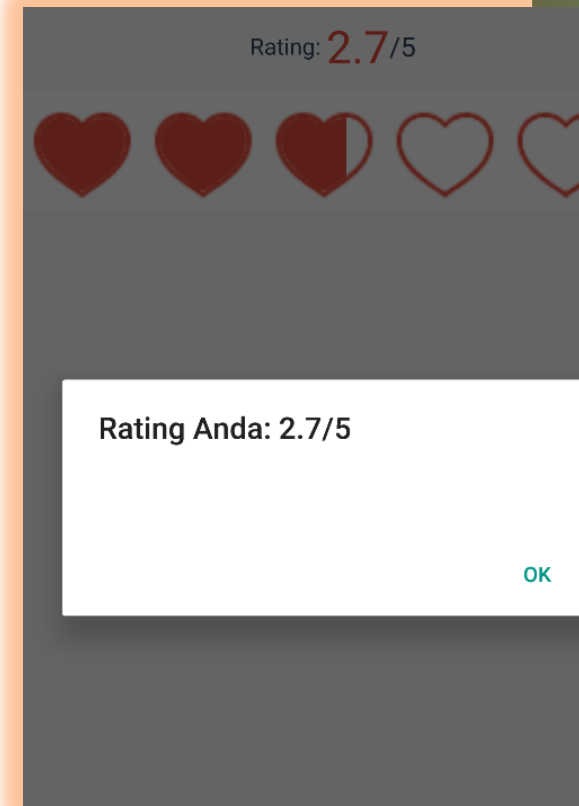




# Rating

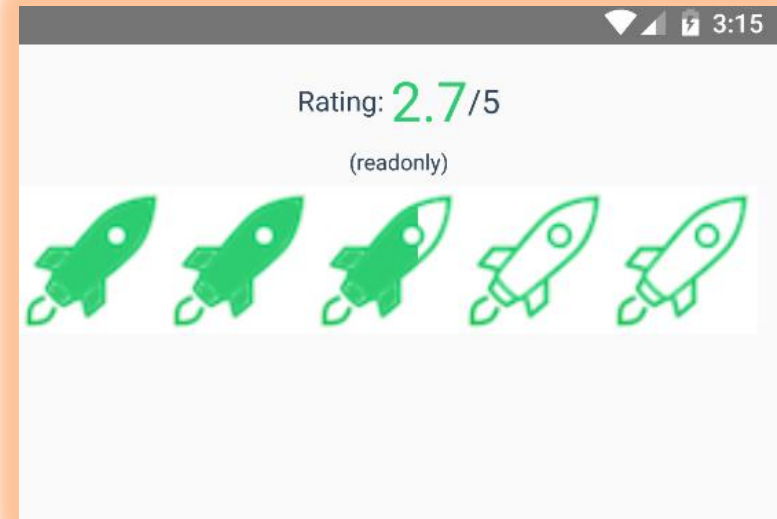
## #onFinishRating

```
. . . . .  
class App extends Component {  
  ratingSelesai(rating) {  
    Alert.alert('Rating Anda: '+rating+'/5');  
  }  
  render() {  
    return (  
      <View>  
        <Rating  
          type="heart" // star, rocket, bell  
          ratingCount={5}  
          fractions={1}  
          startingValue={2}  
          imageSize={80}  
          showRating  
          onFinishRating={this.ratingSelesai}  
          style={{ paddingVertical: 10 }}  
        />  
      </View>  
    );  
  }  
};
```



# Rating #ReadOnly

```
class App extends Component {  
  render() {  
    return (  
      <View>  
        <Rating  
          type="rocket"  
          ratingCount={5}  
          fractions={2}  
          startingValue={2.7}  
          imageSize={80}  
          showRating  
          readonly  
          style={{  
            paddingVertical:10}}  
        />  
      </View>  
    );  
  }  
}
```



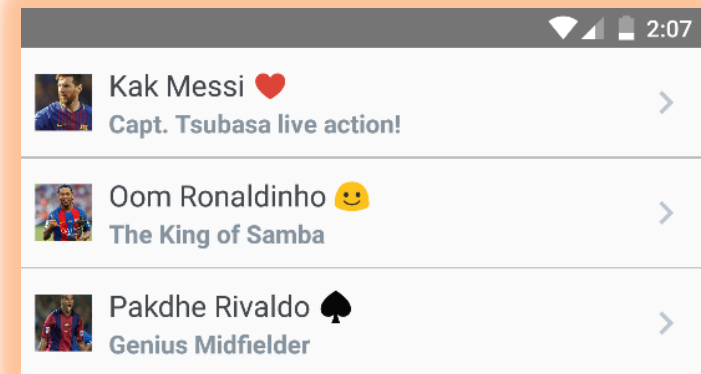
# List Item

## #part 1

```
import React, { Component } from 'react';
import { View } from 'react-native';
import { ListItem } from 'react-native-elements';
```

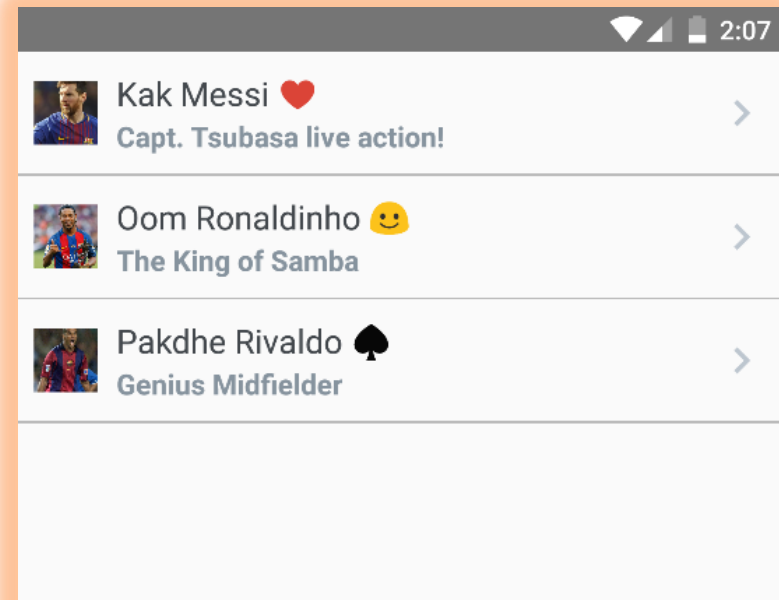
```
class App extends Component {
  render() {
    const list = [
      {nama: 'Kak Messi ❤️',
       foto: 'http://...messi.jpg',
       ket: 'Capt. Tsubasa live action!'
      },
      {nama: 'Oom Ronaldinho 😊',
       foto: 'http://...ronaldinho.jpg',
       ket: 'The King of Samba'
      },
      {nama: 'Pakdhe Rivaldo ♠️',
       foto: 'http://...rivaldo.jpg',
       ket: 'Genius Midfielder'
      }
    ]
  }
}
```

• • • • •



# List Item #part 2

```
• • • • •  
return (  
  <View>  
  {  
    list.map((val, i) => (  
      <ListItem  
        key={i}  
        avatar={{ uri: val.foto }}  
        avatarStyle={{ height:40, width:40 }}  
        title={val.nama}  
        subtitle={val.ket}  
      />  
    ))  
  }  
</View>  
) ;}}  
  
export default App;
```



# Pricing Card

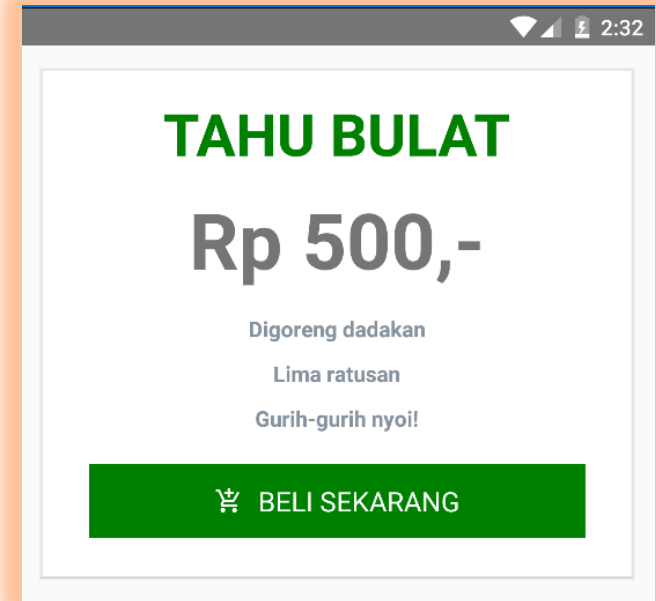
```
import React, { Component } from 'react';
import { View, Text } from 'react-native';
```

```
import { PricingCard }
from 'react-native-elements'
```

```
class App extends Component {
  render() {
    return (
      <View>
```

```
      <PricingCard
        color='green'
        title='TAHU BULAT'
        price='Rp 500,-'
        info={['Digoreng dadakan', 'Lima ratusan', 'Gurih nyoi!']}
        button={{title: 'BELI SEKARANG', icon: 'add-shopping-cart'}}
      />
    </View>
  );
}
```

```
export default App;
```

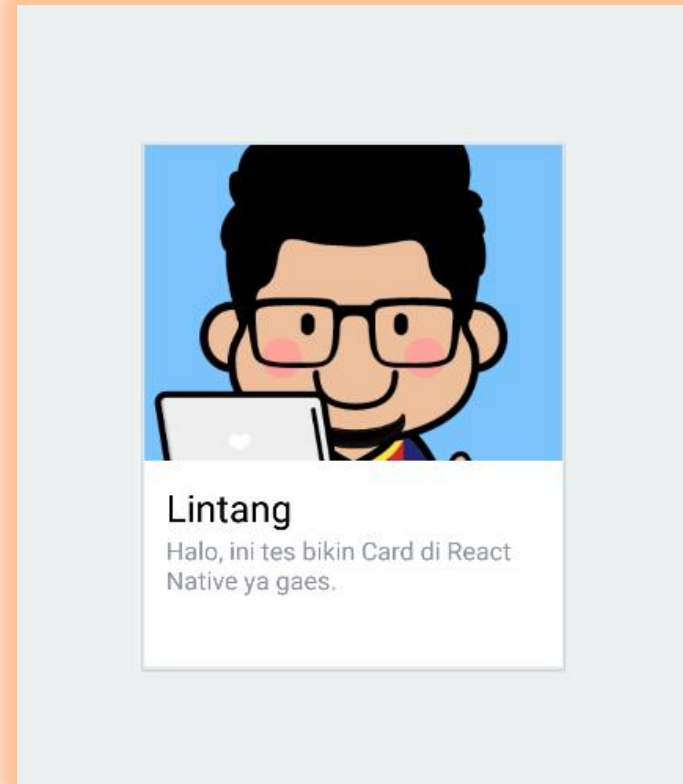


# Card A

## #part 1

```
import React, { Component } from 'react';
import { Card } from 'react-native-elements';
import {
  Text,
  View,
  StyleSheet,
  Dimensions
} from 'react-native';
```

• • • • •



# Card A

## #part 2

• • • • •

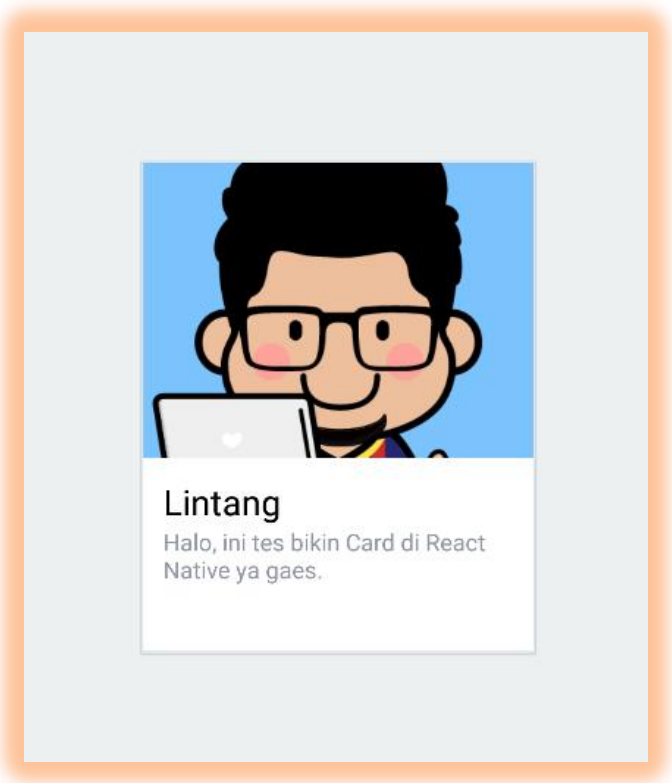
```
class App extends Component {  
  render() {  
    return (  
      <View style={styles.container}>  
        <Card  
          image={require('./gbr/lin1.png')}  
          overlayStyle={{opacity: 0}}  
          containerStyle={{width: 200, height:250}}  
        >  
          <Text style={styles.imageTitle}> Lintang </Text>  
          <Text style={styles.imageDescription}>  
            Halo, ini tes bikin Card di React Native ya!  
          </Text>  
        </Card>  
      </View>  
    );  
  }  
}
```

• • • • •

# Card A

## #part 3

```
• • • • •  
  
const styles = StyleSheet.create({  
  container: {  
    flex: 1,  
    alignItems: 'center',  
    justifyContent: 'center',  
    paddingTop: 10,  
    backgroundColor: '#ecf0f1',  
  },  
  imageTitle: {  
    color: '#000',  
    fontSize: 18  
  },  
  imageDescription: {  
    color: '#9197A3',  
    fontSize: 12  
  }  
});  
  
export default App;
```





# Card B

## #part 1

```
import React,  
  { Component }  
  from 'react';
```

```
import {  
  Text,  
  View,  
  StyleSheet }  
  from 'react-native';
```

```
import {  
  Card,  
  Avatar,  
  Icon }  
  from 'react-native-elements';
```

• • • • •



# Card B

## #part 2

```
• • • • •  
class App extends Component {  
  render() {  
    return (  
      <View style={styles.container}>  
        <Card>  
          <Avatar  
            source={require('./gbr/lin1.png')}  
            rounded  
            xlarge/>  
          <Icon  
            name={'g-translate'}  
            containerStyle={styles.icon}  
            onPress={() => {}}/>  
        </Card>  
      </View>  
    );  
  }  
}
```

```
• • • • •
```

# Card B

## #part 3

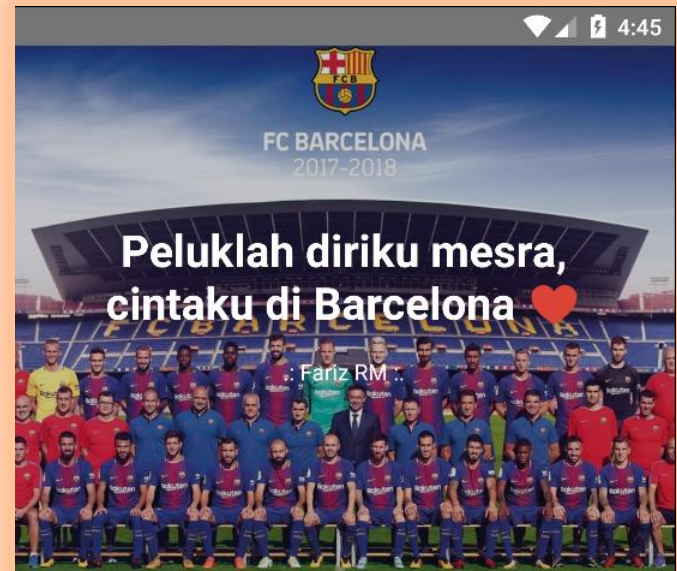
```
• • • • •  
const styles = StyleSheet.create({  
  container: {  
    flex: 1,  
    alignItems: 'center',  
    justifyContent: 'center',  
    backgroundColor: '#ecf0f1',  
  },  
  icon: {  
    backgroundColor: '#DBDBDB',  
    position: 'absolute',  
    borderRadius: 50,  
    padding: 5,  
    right: 0,  
    bottom: 0,  
  },  
});  
  
export default App;
```



```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Tile } from 'react-native-elements'
```

```
class App extends Component {
  render() {
    return (
      <View>
        <Tile
          imageSrc={{uri: 'https://barca.jpg'}}
          title="Cintaku di Barcelona ♥"
          featured
          caption="Fariz RM"
        />
      </View>
    );
  }
}
```

```
export default App;
```



Mobile Development



## #4 React Native Elements