

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!

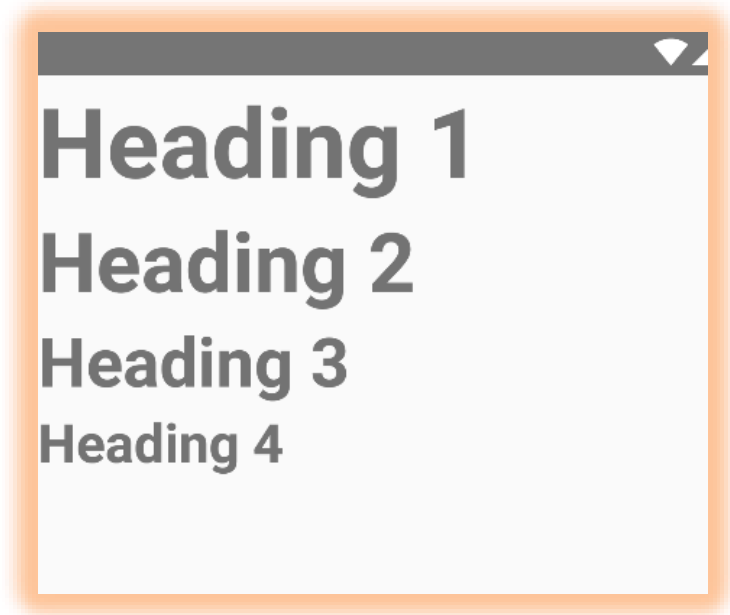
```
$ react-native link react-native-vector-icons
```

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;
```

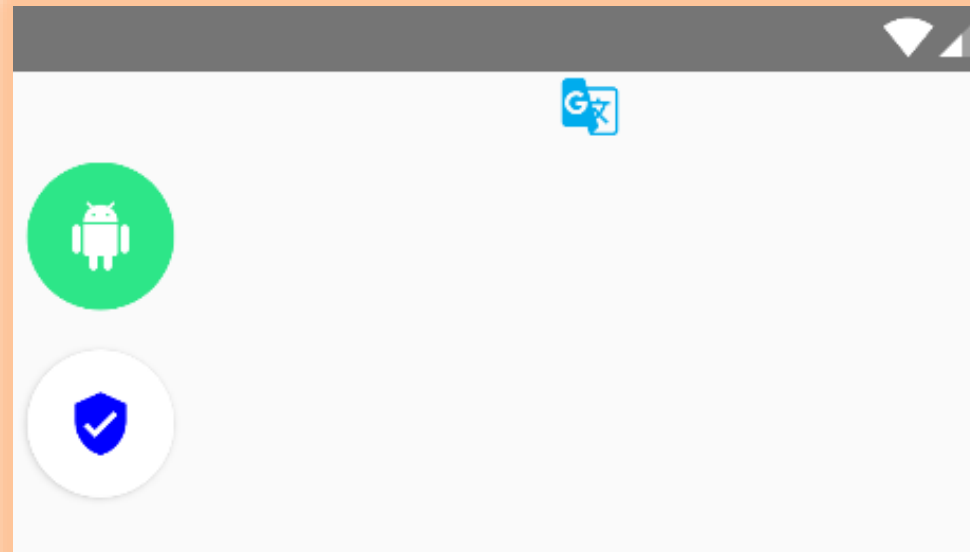


Icon #1

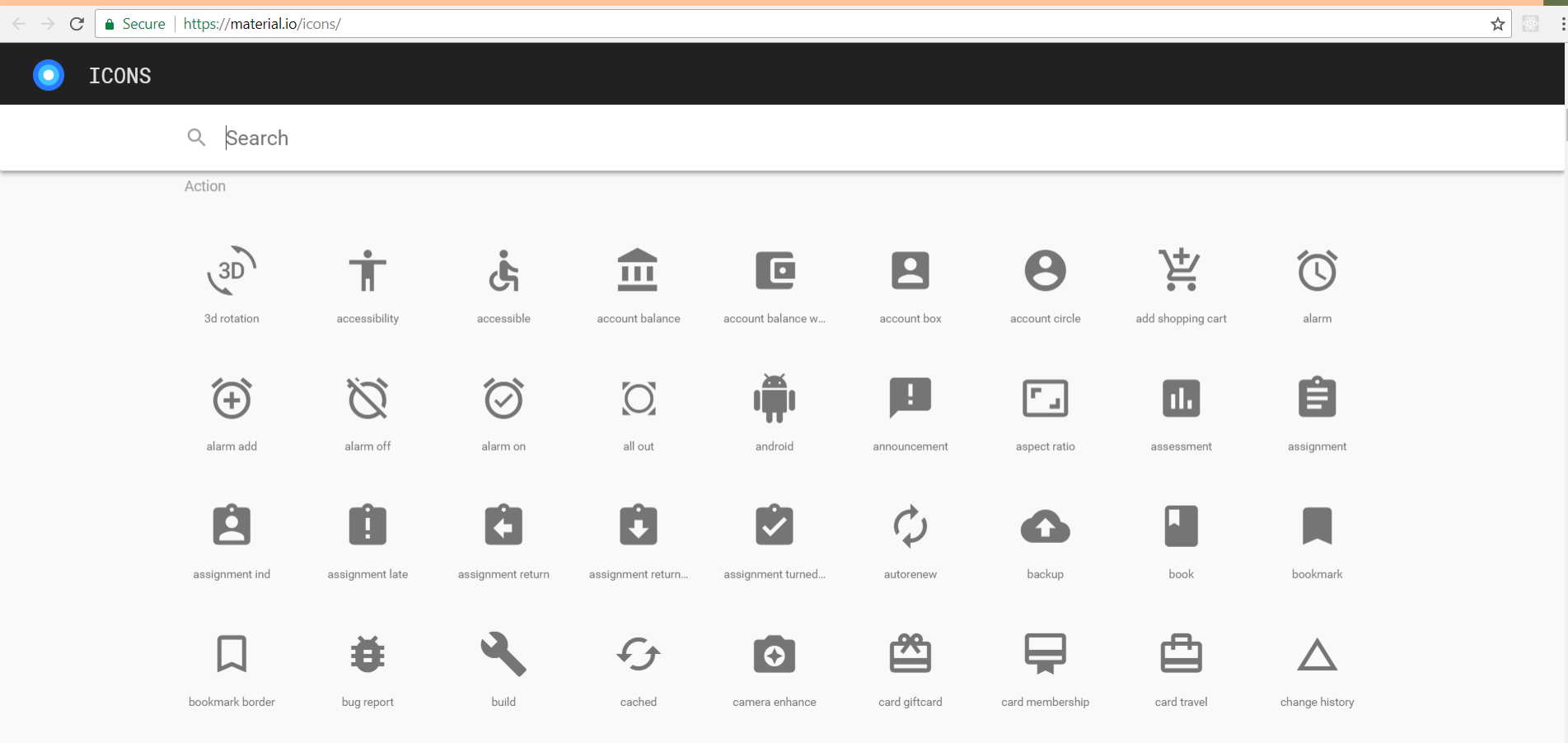
```
import React, { Component } from 'react';
import { View } from 'react-native';
import { Icon } from 'react-native-elements';

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/



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

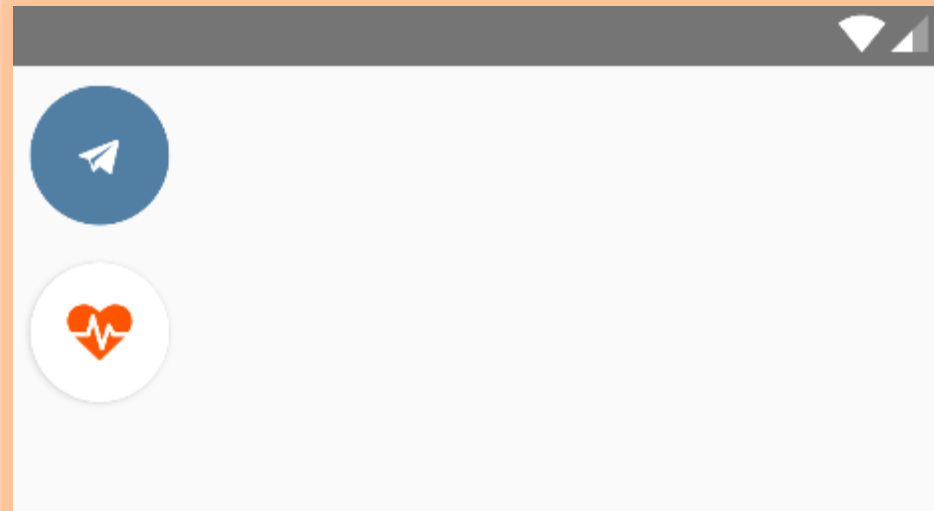
```
class App extends Component {
  render() {
    return (
      <View>
```

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

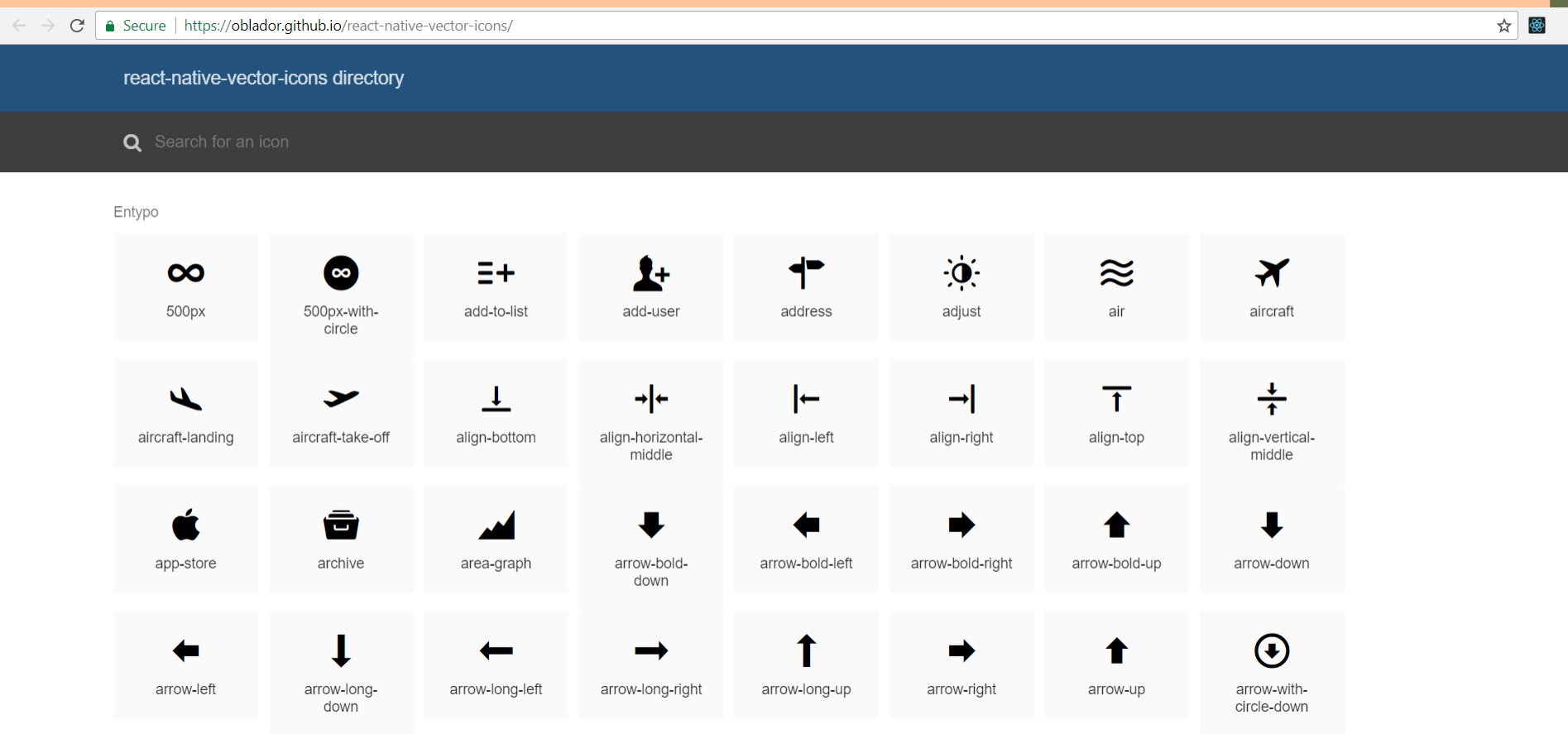
```
        <Icon raised name='heartbeat' type='font-awesome'
          color='#f50'
          onPress={() => {}} />
```

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

```
export default App;
```



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



```
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
- `{}` EvilIcons.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

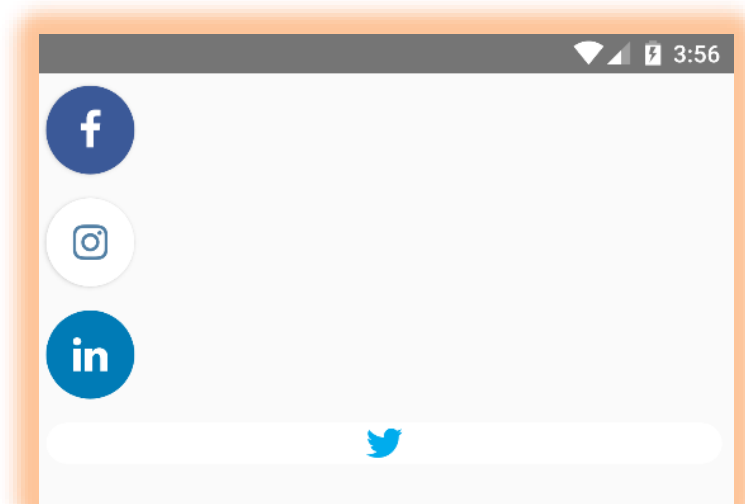
#Icon

```
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*

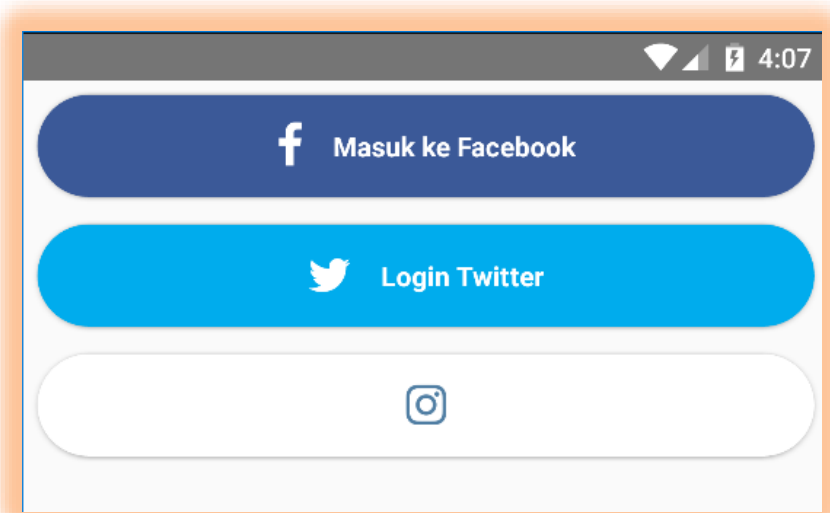
- angellist
- codepen
- envelope
- etsy
- facebook
- foursquare
- github-alt
- github
- gitlab
- instagram
- linkedin
- medium
- pinterest
- quora
- reddit-alien
- soundcloud
- stack-overflow
- steam
- stumbleupon
- tumblr
- twitch
- twitter
- google-plus-official
- vimeo
- wordpress
- youtube

Social Icon #Button

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

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

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



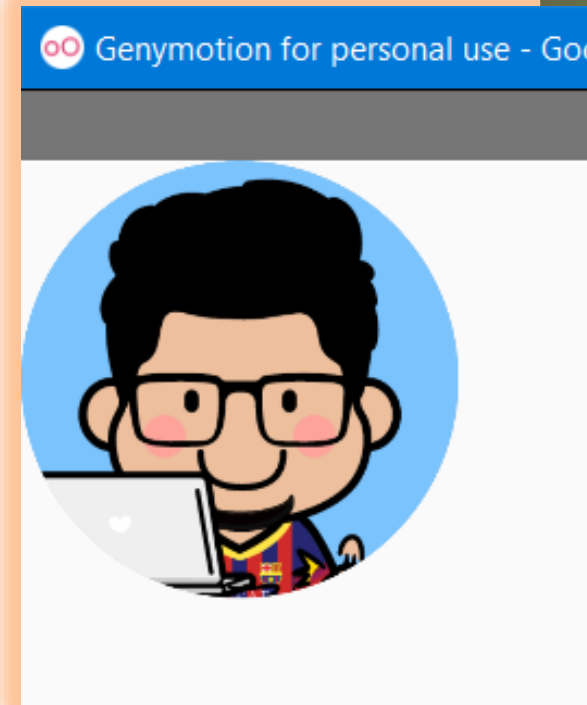
Avatar

#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;
```



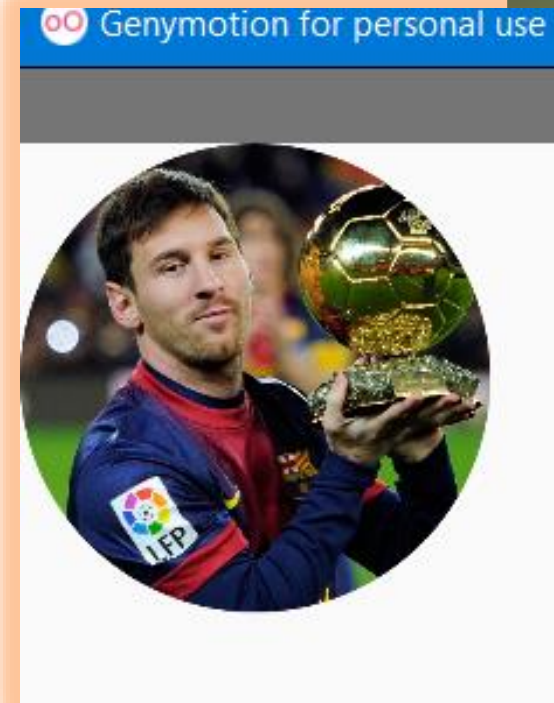
Avatar

#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;
```

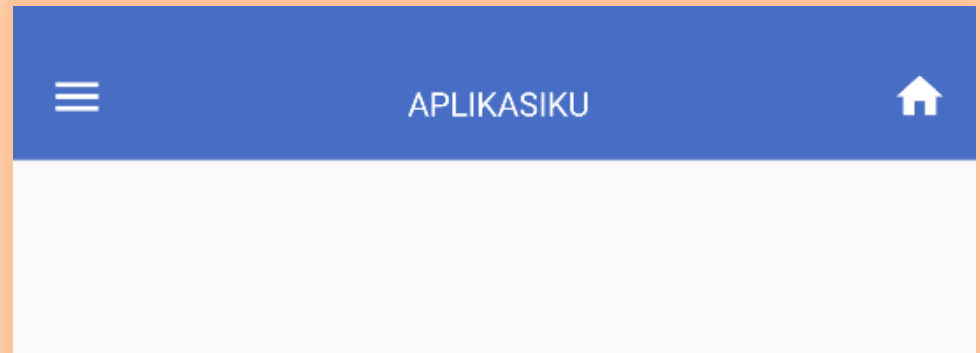


Header

```
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

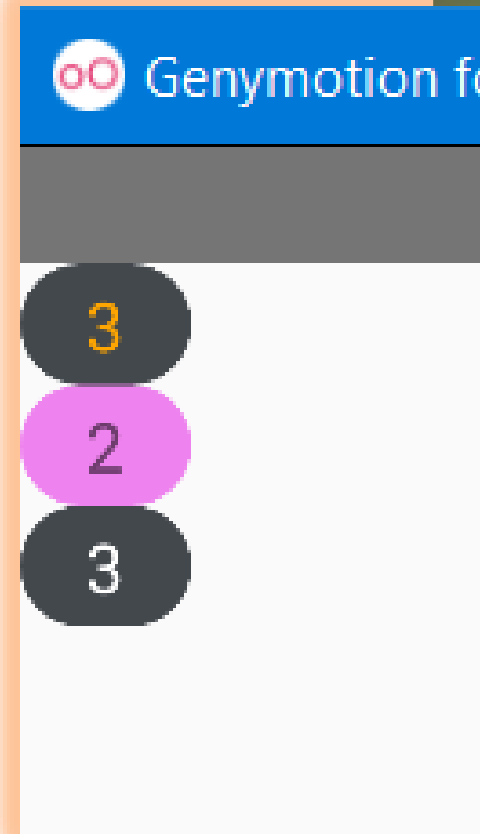
```
import React, { Component } from 'react';
import { View, Text } from 'react-native';
import { Badge } from 'react-native-elements'

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;
```

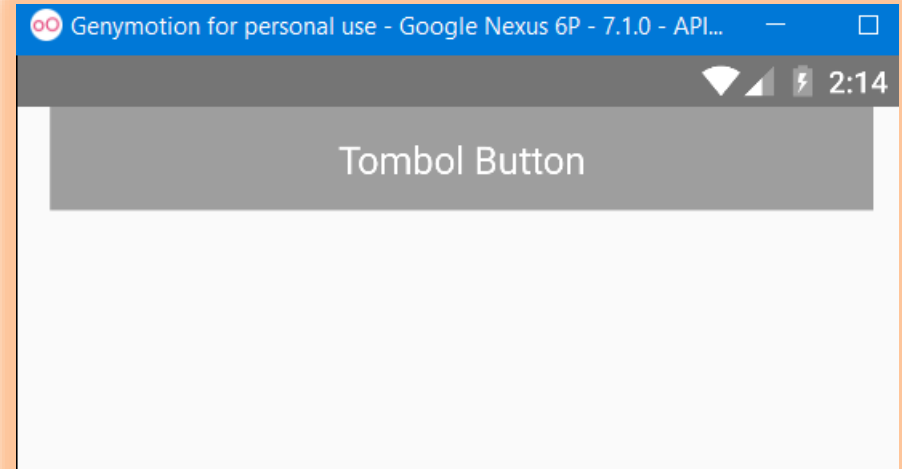


Button #1

```
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",

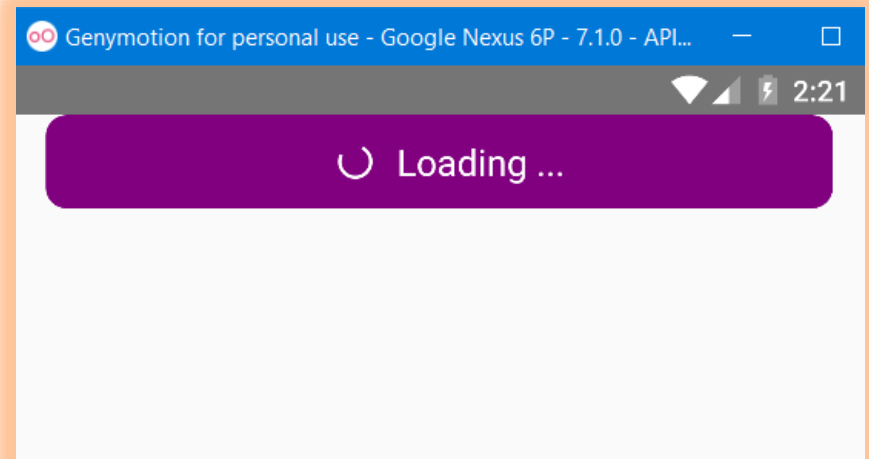
borderWidth: 0,

borderRadius: 10

}}}

/>

.

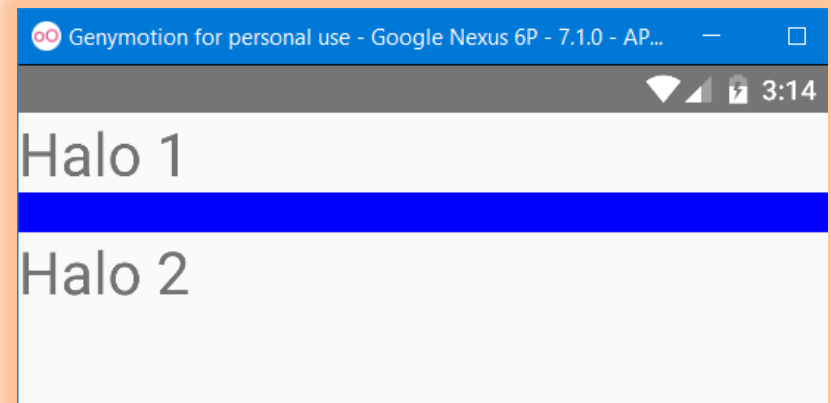


Divider

```
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';

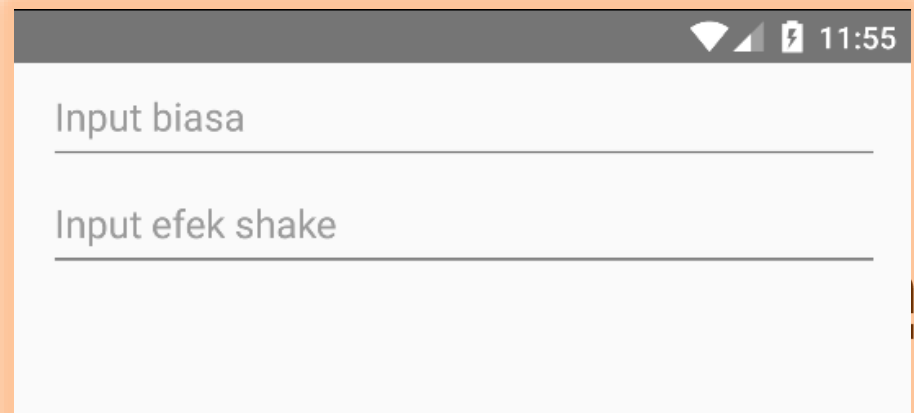
class App extends Component {
  render() {
    return (
      <View>

        <FormInput placeholder='Input biasa' />

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

      </View>
    );
  }
}

export default App;
```



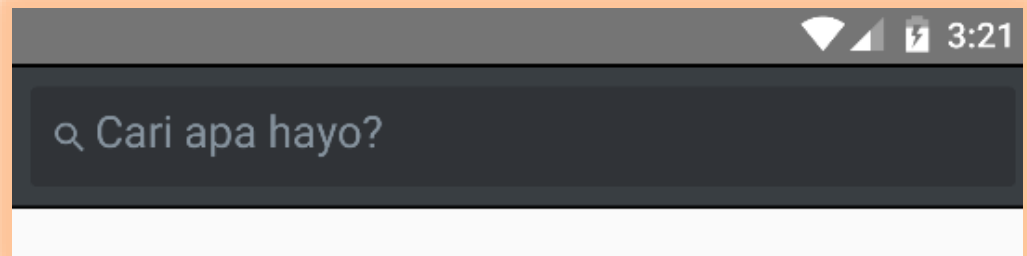
SearchBar

#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;
```



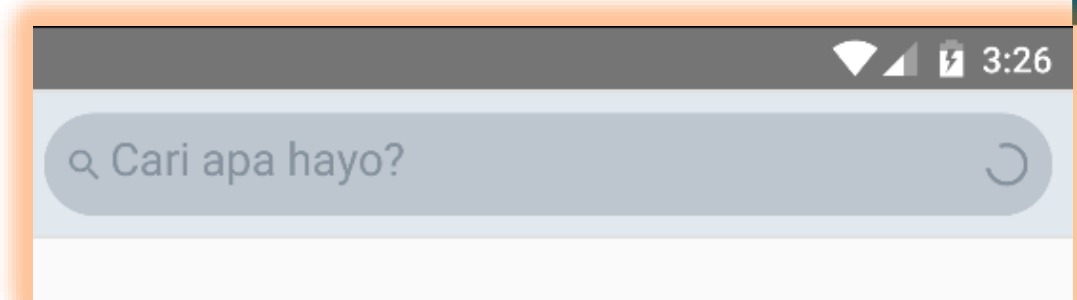
SearchBar

#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>
      );
    }
  }
}
```

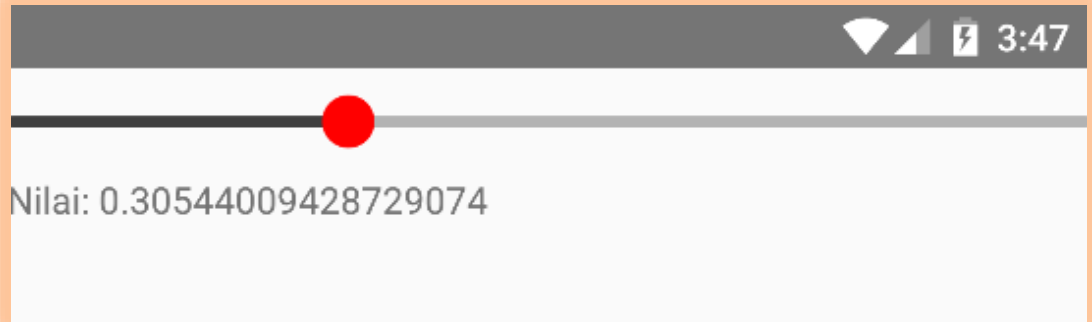
```
export default App;
```



```
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}
          onValueChange={({val}) => this.setState({val})} />
        <Text> Nilai: {this.state.val} </Text>
      </View>
    );
  }
}
```

```
export default App;
```

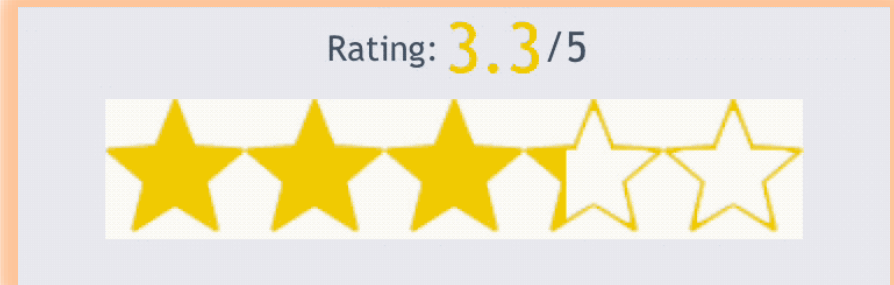


Rating #Basic

```
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;
```

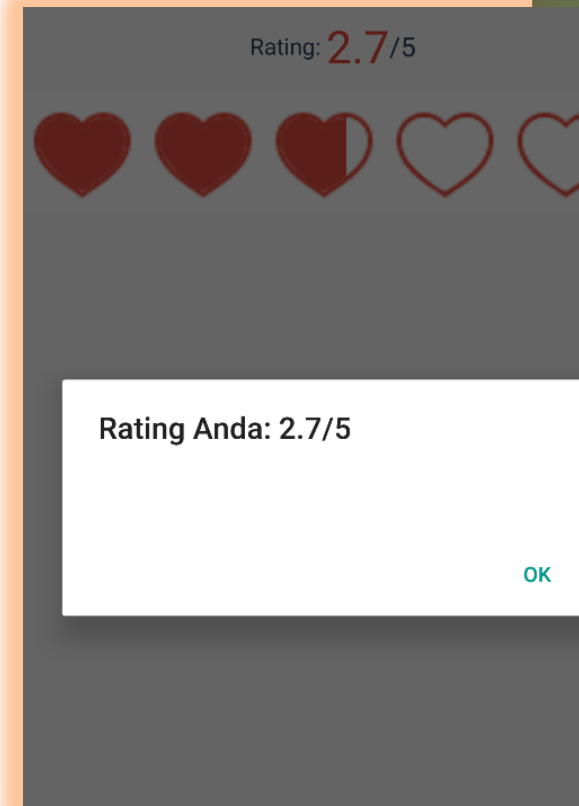


Rating

#onFinishRating

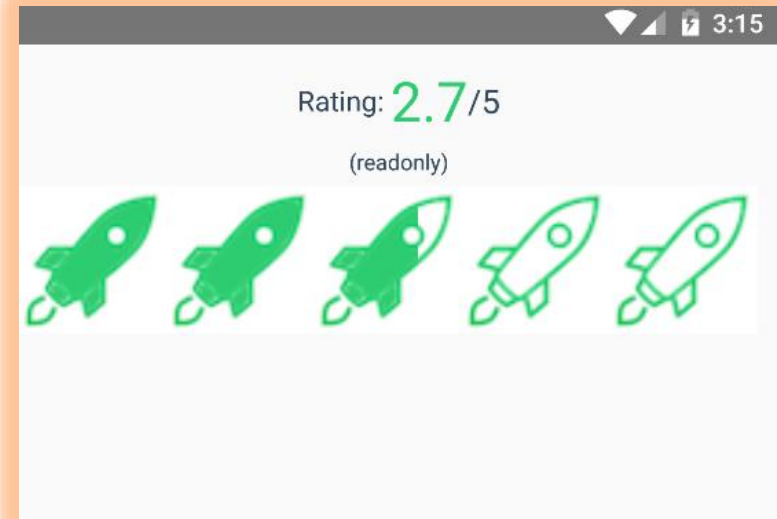
```
. . . . .

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>  
    );  
  }  
}
```



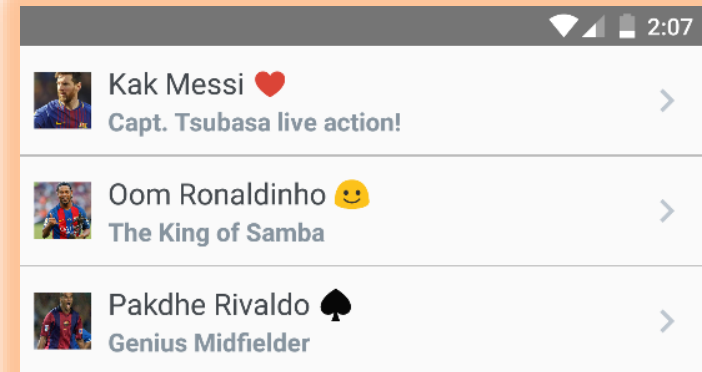
List Item

#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'
      }
    ]
  }
}
```

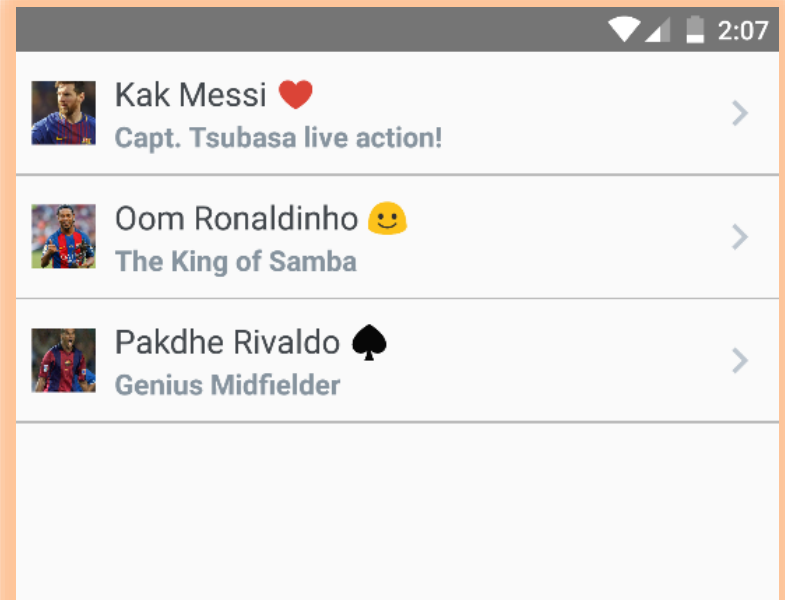
• • • • •



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

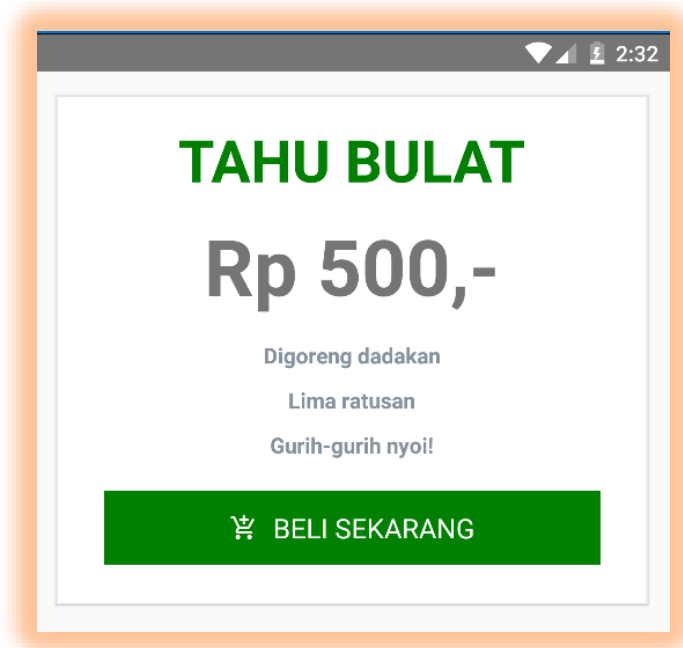
```
import React, { Component } from 'react';
import { View, Text } from 'react-native';

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;
```

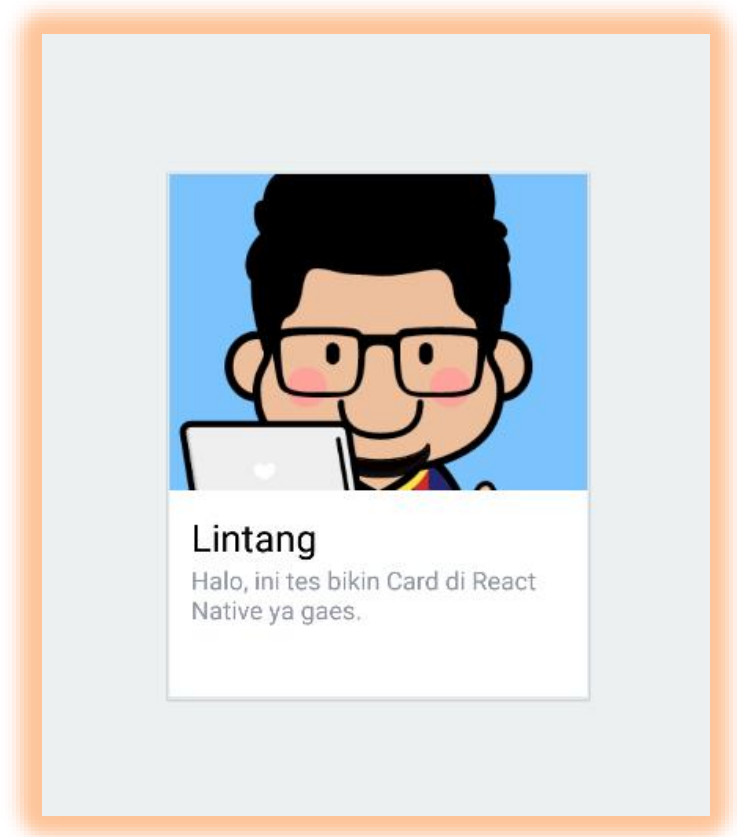


Card A

#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

• • • • •

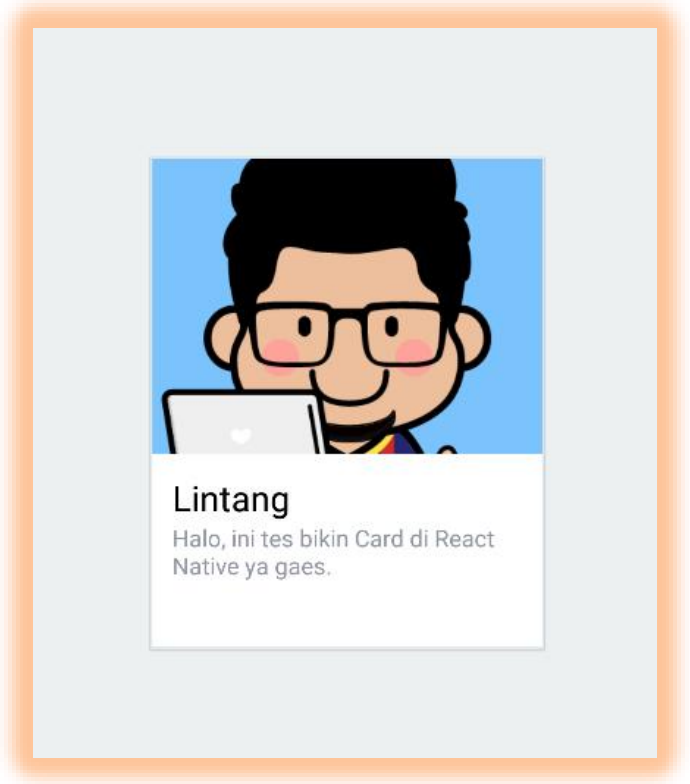
```
class App extends Component {
  render() {
    return (
      <View style={styles.container}>
        <Card
          image={require('./gbr/lin1.png')}
          overlayStyle={{opacity: 0}}
          containerStyle={{width: 200, height:250}}
        >
          <Text style={styles.imageTitle}> Lintang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

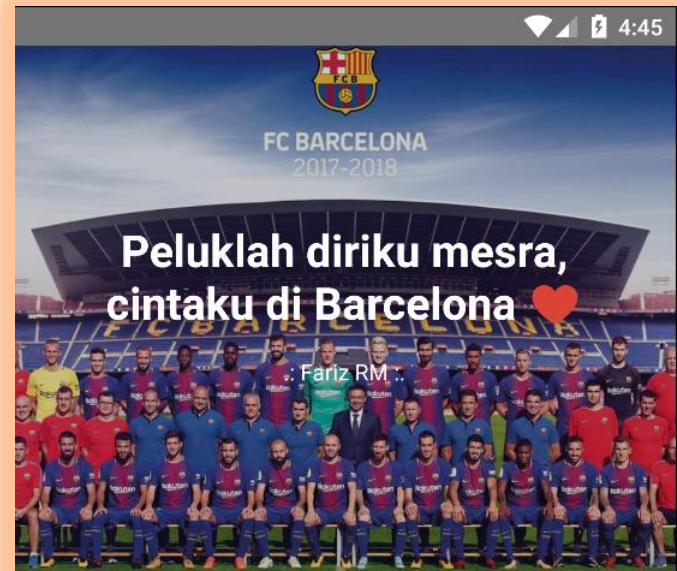


Tile

```
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