

# BÁO CÁO THỰC HÀNH BÀI TẬP

## THỰC HÀNH 1:

### COMPONENTS, LAYOUT, PROPS & STATE

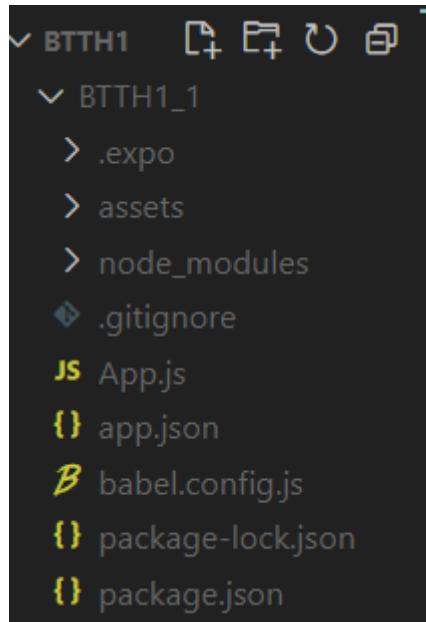
Họ và tên: Phạm Văn Thanh Bảo

MSSV: 21521859

Lớp: IE307.P11.CNCL

**BTTH1\_1:** Social Media Feed

- Cấu trúc file:



- Code:

```
JS App.js BTTH1_2      JS App.js BTTH1_1 X
BTTH1_1 > JS App.js > ...
1  import { StyleSheet, Text, View, Image, TouchableOpacity, ScrollView } from 'react-native';
2  import React, { useState } from 'react';  6.9k (gzipped: 2.7k)
3
4  //MSSV: 21521859
5  //Tên: Phạm Văn Thành Bảo
6
7  export default function App() {
8    const [posts, setPosts] = useState([...postsData]);
9
10   // Xử lý Nhấn Comments
11   const handleAddComment = (postID) => {
12     const updatedPostComments = posts.map((post) => {
13       if (post.id === postID) {
14         return {
15           ...post,
16           comments: post.comments + 1,
17         };
18       }
19       return post;
20     });
21     setPosts(updatedPostComments);
22   }
23   // Xử lý nhấn Shares
24   const handleAddShare = (postID) => {
25     const updatedPostShares =
26       posts.map((post) => {
27         if (post.id === postID) {
28           return {
29             ...post,
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33         return post;
34       });
35     setPosts(updatedPostShares);
36   }
37
38   const likedIcon = 'https://cdn-icons-png.flaticon.com/512/4926/4926585.png';
39   const likeIcon = 'https://cdn-icons-png.flaticon.com/512/126/126473.png';
40   const commentIcon = 'https://cdn-icons-png.freepik.com/256/4468/4468449.png?semt=ais_hybrid';
41   const shareIcon = 'https://png.pngtree.com/png-clipart/20221222/original/pngtree-share-icon-button-png-image_8793174.png';
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43   // Xử lý nhấn Likes
44   const handleAddLike = (postID) => {
45     const updatedPostLike =
46       posts.map((post) => {
47         if (post.id === postID && post.liked) {
48           return {
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856      posts.map((post) => {
857        if (post.id === postID && post.liked) {
858          return {
859            ...post,
860            likes: post.likes - 1,
861            liked: false,
862          };
863        }
864      });
865    setPosts(updatedPostLike);
866  }
867
868  // Xử lý Nhấn Share
869  const handleAddShare = (postID) => {
870    const updatedPostShares =
871      posts.map((post) => {
872        if (post.id === postID) {
873          return {
874            ...post,
875            shares: post.shares + 1,
876          };
877        }
878        return post;
879      });
880    setPosts(updatedPostShares);
881  }
882
883  // Xử lý Nhấn Comment
884  const handleAddComment = (postID) => {
885    const updatedPostComments =
886      posts.map((post) => {
887        if (post.id === postID) {
888          return {
889            ...post,
890            comments: post.comments + 1,
891          };
892        }
893        return post;
894      });
895    setPosts(updatedPostComments);
896  }
897
898  // Xử lý Nhấn Like
899  const handleAddLike = (postID) => {
900    const updatedPostLike =
901      posts.map((post) => {
902        if (post.id === postID && post.liked) {
903          return {
904            ...post,
905            likes: post.likes - 1,
906            liked: false,
907          };
908        }
909      });
910    setPosts(updatedPostLike);
911  }
912
913  // Xử lý Nhấn Share
914  const handleAddShare = (postID) => {
915    const updatedPostShares =
916      posts.map((post) => {
917        if (post.id === postID) {
918          return {
919            ...post,
920            shares: post.shares + 1,
921          };
922        }
923        return post;
924      });
925    setPosts(updatedPostShares);
926  }
927
928  // Xử lý Nhấn Comment
929  const handleAddComment = (postID) => {
930    const updatedPostComments =
931      posts.map((post) => {
932        if (post.id === postID) {
933          return {
934            ...post,
935            comments: post.comments + 1,
936          };
937        }
938        return post;
939      });
940    setPosts(updatedPostComments);
941  }
942
943  // Xử lý Nhấn Like
944  const handleAddLike = (postID) => {
945    const updatedPostLike =
946      posts.map((post) => {
947        if (post.id === postID && post.liked) {
948          return {
949            ...post,
950            likes: post.likes - 1,
951            liked: false,
952          };
953        }
954      });
955    setPosts(updatedPostLike);
956  }
957
958  // Xử lý Nhấn Share
959  const handleAddShare = (postID) => {
960    const updatedPostShares =
961      posts.map((post) => {
962        if (post.id === postID) {
963          return {
964            ...post,
965            shares: post.shares + 1,
966          };
967        }
968        return post;
969      });
970    setPosts(updatedPostShares);
971  }
972
973  // Xử lý Nhấn Comment
974  const handleAddComment = (postID) => {
975    const updatedPostComments =
976      posts.map((post) => {
977        if (post.id === postID) {
978          return {
979            ...post,
980            comments: post.comments + 1,
981          };
982        }
983        return post;
984      });
985    setPosts(updatedPostComments);
986  }
987
988  // Xử lý Nhấn Like
989  const handleAddLike = (postID) => {
990    const updatedPostLike =
991      posts.map((post) => {
992        if (post.id === postID && post.liked) {
993          return {
994            ...post,
995            likes: post.likes - 1,
996            liked: false,
997          };
998        }
999      });
1000   setPosts(updatedPostLike);
1001 }
```

```

20         });
21     setPosts(updatedPostComments);
22   }
23 // Xử lý nhấn shares
24 const handleAddShare = (postsId) => {
25   const updatedPostShares =
26     posts.map((post) => {
27       if (post.id === postsId) {
28         return {
29           ...post,
30           shares: post.shares + 1,
31         };
32       }
33     });
34   return post;
35 };
36 setPosts(updatedPostShares);
37
38 const likedIcon = 'https://cdn-icons-png.flaticon.com/512/4926/4926585.png';
39 const likeIcon = 'https://cdn-icons-png.flaticon.com/512/126/126473.png';
40 const commentIcon = 'https://cdn-icons-png.freepik.com/256/4468/4468449.png?semt=ais_hybrid';
41 const shareIcon = 'https://png.pngtree.com/png-clipart/20221222/original/pngtree-share-icon-button-png-image_8793174.png';
42
43 // Xử lý nhấn Likes
44 const handleAddLike = (postsId) => {
45   const updatedPostLike =
46     posts.map((post) => {
47       if (post.id === postsId && post.liked) {
48         return {
49           ...post,
50           likes: post.likes - 1,
51           liked: false,
52         };
53       }
54       else if (post.id === postsId && !post.liked) {
55         return {
56           ...post,
57           likes: post.likes + 1,
58           liked: true,
59         };
60       }
61     });
62   return post;
63 };
64 setPosts(updatedPostLike);
65
66 return (
67   <View style={styles.container}>
68     {/* Header */}
69     <View style={styles.header}>

```

```
BTTH1_1 > JS App.js > ⚡ App > posts.map() callback
  54  export default function App() {
  55    <View style={styles.header}>
  56      <Text style={styles.headerTitle}>Instagram</Text>
  57    </View>
  58    /* Hiển thị thông tin các bài đăng */
  59    <View style={styles.content}>
  60      <ScrollView>
  61        {posts.map((post) => (
  62          <View style={styles.post} key={post.id}>
  63            {/* Hiển thị avatar */}
  64            <View style={styles.postHeader}>
  65              <Image source={{ uri: post.avatar }} style={styles.avatar} />
  66              <Text style={styles.username}>{post.username}</Text>
  67            </View>
  68            {/* Hiển thị nội dung */}
  69            <Text style={styles.postText}>{post.text}</Text>
  70            {/* Hiển thị ảnh */}
  71            <Image source={{ uri: post.image }} style={styles.contentImage} />
  72            <View style={styles.statContainer}>
  73              <Text>
  74                <Text>{post.likes}</Text> Likes
  75              </Text>
  76              <Text>
  77                <Text>{post.comments}</Text> Comments
  78              </Text>
  79              <Text>
  80                <Text>{post.shares}</Text> Shares
  81              </Text>
  82            </View>
  83
  84            <View style={styles.horizontalLine} />
  85            /* Hiển thị các nút tương tác */
  86            <View style={styles.interactiveContainer}>
  87              <TouchableOpacity
  88                style={styles.buttonContainer}
  89                onPress={() => {
  90                  handleAddLike(post.id);
  91                }}
  92              >
  93                <Image source={post.liked ? { uri: likedIcon } : { uri: likeIcon }} style={styles.buttonIcon} />
  94                <Text style={styles.buttonText}>Likes</Text>
  95              </TouchableOpacity>
  96
  97              <TouchableOpacity onPress={() => handleAddComment(post.id)} style={styles.buttonContainer}>
  98                <Image source={{ uri: commentIcon }} style={styles.buttonIcon} />
  99                <Text style={styles.buttonText}>Comments</Text>
 100              </TouchableOpacity>
 101
 102              <TouchableOpacity onPress={() => handleAddShare(post.id)} style={styles.buttonContainer}>
 103                <Image source={{ uri: shareIcon }} style={styles.buttonIcon} />
 104                <Text style={styles.buttonText}>Shares</Text>
 105              </TouchableOpacity>
 106            </View>
 107          </View>
 108        ))}
 109      </ScrollView>
 110    </View>
 111  </App>
```

```
119             </View>
120         </View>
121     )}
122     </ScrollView>
123     </View>
124   </View>
125 );
126 };
127
128 // style
129 const styles = StyleSheet.create({
130   container: {
131     marginTop: 30,
132     flex: 1,
133     backgroundColor: 'gray',
134   },
135   header: {
136     backgroundColor: '#3b5998',
137     padding: 15,
138     justifyContent: 'center',
139     alignItems: 'center',
140   },
141   headerTitle: {
142     fontSize: 24,
143     fontWeight: 'bold',
144     color: 'white',
145   },
146   content: {
147     flex: 1,
148   },
149   post: {
150     flex: 1,
151     padding: 15,
152     backgroundColor: 'white',
153     marginBottom: 10,
154   },
155   avatar: {
156     width: 60,
157     height: 60,
158     borderRadius: 40,
159     marginRight: 10,
160   },
161   username: {
```

```
161   username: {
162     fontSize: 20,
163     fontWeight: 'bold',
164     color: '#000',
165   },
166   postHeader: {
167     flexDirection: 'row',
168     alignItems: 'center',
169   },
170   contentImage: {
171     width: '100%',
172     height: 200,
173     borderRadius: 10,
174   },
175   postText: {
176     fontSize: 12,
177     color: '#000',
178     marginVertical: 10,
179   },
180   statContainer: {
181     flexDirection: 'row',
182     justifyContent: 'space-between',
183     alignItems: 'center',
184     marginTop: 10,
185   },
186   horizontalLine: {
187     width: '100%',
188     height: 1,
189     backgroundColor: 'gray',
190     marginVertical: 10,
191     opacity: 0.5,
192   },
193   buttonIcon: {
194     width: 25,
195     height: 25,
196     marginRight: 5,
197   },
198   buttonContainer: {
199     flexDirection: 'row',
200   },
201   interactiveContainer: {
202     flexDirection: 'row',
203     justifyContent: 'space-between',
```

```
JS App.js BTTH1_2      JS App.js BTTH1_1 ×
BTTH1_1 > JS App.js > [postsData]
  ↴ // Data
214  const postsData = [
215    {
216      id: 1,
217      avatar: 'https://cdn.tuoitre.vn/zoom/700_525/2019/5/8/avatar-publicitystill-h2019-1557284559744252594756-crop-15572850428231644565436.jpg',
218      username: 'Bao Pham',
219      text: 'Mountain',
220      image: 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRGU03Cg_3klc061-c66Ip8Xmw0aJ85T4Ex1w&s',
221      likes: 1,
222      comments: 2,
223      shares: 3,
224      liked: false,
225    },
226    {
227      id: 2,
228      avatar: 'https://cdn.tuoitre.vn/zoom/700_525/2019/5/8/avatar-publicitystill-h2019-1557284559744252594756-crop-15572850428231644565436.jpg',
229      username: 'Pham Henry',
230      text: 'Sea',
231      image: 'https://langgoco.com/wp-content/uploads/2020/06/IMG-9967.jpg',
232      likes: 4,
233      comments: 5,
234      shares: 6,
235      liked: false,
236    },
237    [
238      {
239        id: 3,
240        avatar: 'https://cdn.tuoitre.vn/zoom/700_525/2019/5/8/avatar-publicitystill-h2019-1557284559744252594756-crop-15572850428231644565436.jpg',
241        username: 'David',
242        text: 'Hometown',
243        image: 'https://ntthnue.edu.vn/uploads/Images/2018/06/034.jpg',
244        likes: 7,
245        comments: 8,
246        shares: 9,
247        liked: false,
248      },
249      {
250        id: 4,
251        avatar: 'https://cdn.tuoitre.vn/zoom/700_525/2019/5/8/avatar-publicitystill-h2019-1557284559744252594756-crop-15572850428231644565436.jpg',
252        username: 'Tom',
253        text: 'City',
254        image: 'https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQq1r52EZcDmyoAvlZeUsF5cL8TqNSgPgtMCA&s',
255        likes: 10,
256        comments: 11,
257        shares: 12,
258        liked: false,
259      },
260    ],
261  ];
262
```

- Kết quả:

11:00 5 G ☀️ ⚡



# Instagram



Bao Pham

Mountain



1 Likes

2 Comments

3 Shares

Likes

Comments

Shares



Pham Henry

Sea



# Instagram



5 Likes

5 Comments

6 Shares

Likes

Comments

Shares



David

Hometown



8 Likes

8 Comments

9 Shares

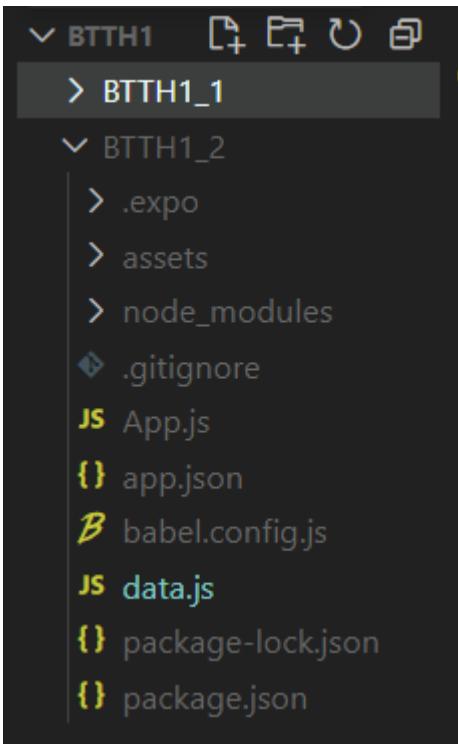
Likes

Comments

Shares

Video: [Drive](#)**BTTH1\_2:** Workouts, Fruits and Vegetables

- Cấu trúc code:



### - Code:

```
JS App.js BTTH1_2 × JS data.js ⚡ app.json JS App.js BTTH1_1
BTTH1_2 > JS App.js ⚡ App

1 ✓ import React, { useState } from 'react'; 6.9k (gzipped: 2.7k)
2 import { View, Text, Button, Image, Platform, StyleSheet, FlatList, ImageBackground, SectionList } from 'react-native';
3 import { fruits_vegetables, workouts } from './data.js';
4
5 ✓ //MSSV: 21521859
6 //Tên: Phạm Văn Thành Bảo
7
8 ✓ export default function App() {
9     const [selectedItem, setSelectedItem] = useState([]);
10
11    // Xử lý thêm, xóa Items
12    const toggleExerciseSelection = (item) => {
13        if (selectedItem.includes(item)) {
14            const newSelectedItem = selectedItem.filter((i) => i !== item);
15            setSelectedItem(newSelectedItem);
16        } else {
17            setSelectedItem([...selectedItem, item]);
18        }
19    };
20
21    // Hiển thị Items
22    const renderItem = ((item)) => (
23        <View style={styles.view}>
24            <Text>{item}</Text>
25            <Button
26                title={selectedItem.includes(item) ? 'DESELECT' : 'SELECT'}
27                onPress={() => toggleExerciseSelection(item)}
28            />
29
30        </View>
31    );
32
33    // Hiển thị Header
34    const renderSectionHeader = ((section)) => (
35        <View style={styles.titleContainer}>
36            <Text style={styles.title}>{section.title}</Text>
37            <Image style={styles.titleImage} source={{ uri: section.url }} />
38        </View>
39    );
40
41    const exerciseBackground = 'https://st2.depositphotos.com/9527076/12335/i/950/depositphotos_123359068-stock-photo-fitness-workout-background-dumbbells-on.jpg';
42    const fruitBackground = 'https://png.pngtree.com/background/20210710/original/pngtree-fruit-and-vegetable-fruit-background-template-picture-image_1032040.jpg';
43    return (
44        <View style={styles.container}>
45            <Text style={styles.textTitle}>
46                Flatlist - Workouts
47            </Text>
48
49            /* Xử lý danh sách bài tập */
50            <ImageBackground style={styles.backgroundImage}>
51                <FlatList
52                    data={workouts}
53                    keyExtractor={(item) => item.id}
54                    renderItem={renderItem}
55                    ListEmptyComponent=>(
56                        <Text>Chưa có bài tập nào!</Text>
57                    )
58                </FlatList>
59            </ImageBackground>
60        </View>
61    );
62}
```

```
49     /* Xử lý danh sách bài tập */
50     <ImageBackground style={styles.backgroundImage}
51         source={{ uri: exerciseBackground }}>
52         <FlatList
53             data={workouts.map((item) => item.type)}
54             renderItem={renderItem}
55             keyExtractor={(item) => item.id}
56             style={styles.listView}
57         />
58     </ImageBackground>
59
60     <Text style={styles.textTitle}>
61         SectionList - Fruits & Vegetables
62     </Text>
63
64     /* Xử lý danh sách trái cây*/
65     <ImageBackground style={styles.backgroundImage}
66         source={{ uri: fruitBackground }} >
67         <SectionList
68             sections={fruits_vegetables}
69             renderItem={renderItem}
70             renderSectionHeader={renderSectionHeader}
71             keyExtractor={(item, index) => item + index}
72             style={styles.listView}
73         />
74     </ImageBackground>
75
76     /* Hiển thị danh sách bài tập, trái cây đã chọn*/
77     <Text style={styles.text}>
78         <Text style={styles.textSelected}>SELECTED EXERCISES: {'\n'}</Text>
79         {selectedItem.join(', ')}
80     </Text>
81     </View>
82 );
83 };
84
85 // style
86 const styles = StyleSheet.create({
87     titleContainer: {
88         flexDirection: 'row',
89         marginHorizontal: 30,
90     },
91     view: {
92         flexDirection: 'row',
93         justifyContent: 'space-between',
94         alignItems: 'center',
95         paddingHorizontal: 16,
96         paddingVertical: 8,
97         backgroundColor: 'white',
98         margin:6,
```

**JS** App.js BTTH1\_2 X    **JS** data.js    **{}** app.json    **JS** App.js BTTH1\_1

BTTH1\_2 > JS App.js > ⚙️ App

```
86 const styles = StyleSheet.create({
91     view: {
```

```
96     paddingVertical: 8,  
97     backgroundColor: 'white',
```

```
98 margin:6,  
99 borderRadius: 10,
```

```
    },  
  container: {
```

```
102     flex: 1,  
103     alignItems:
```

```
104     justifyContent: 'flex-start',  
105     marginTop: 35,
```

```
    marginBottom:  
  },
```

```
108     backgroundImage: {  
109         flex: 1,
```

```
110     resizeMode: 'contain'  
111     justifyContent: 'center'
```

```
112         marginBottom: 10,  
113     },
```

```
114     titleImage:  
115         flex: 0.
```

```
116     resizeMode: 'contain',  
117 },
```

```
118 listView: {  
119     ...Platform.select
```

```
120     ios: {  
121       maxHeight: 280,
```

```
    },  
    android: {
```

```
    maxHeight: 260,  
  },
```

```
126     default: {  
127       maxHeight
```

```
128 },  
129 }),
```

```
    marginBottom: 15,  
    width: 320,
```

```
    132 },  
    133 text: {
```

```
    134 |     text  
    135 | },
```

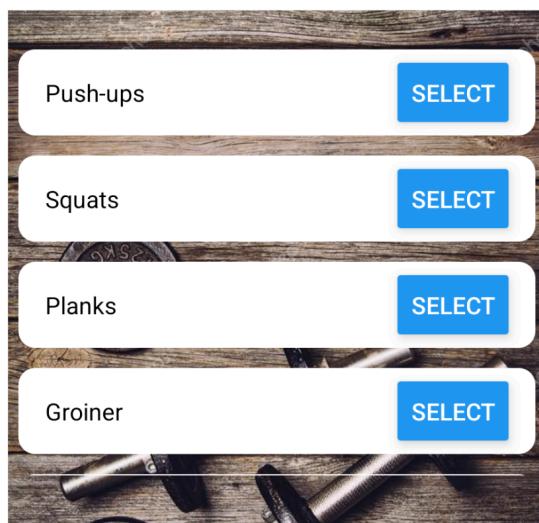
```
        },
        textSelected: {
          color: 'red',
          fontWeight: 'bold',
        },
      });
    
```

- Kết quả:

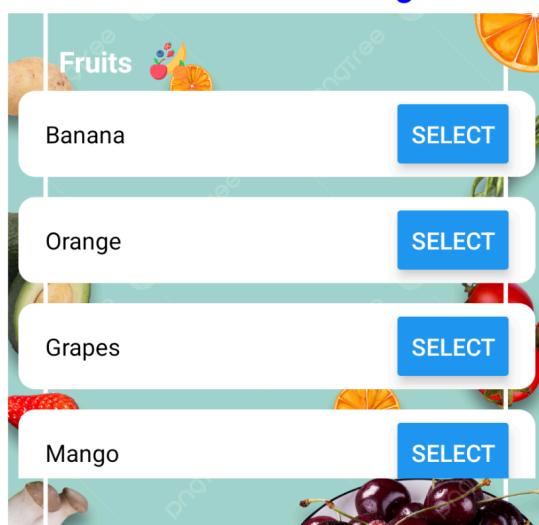
11:59 5G



### FlatList - Workouts



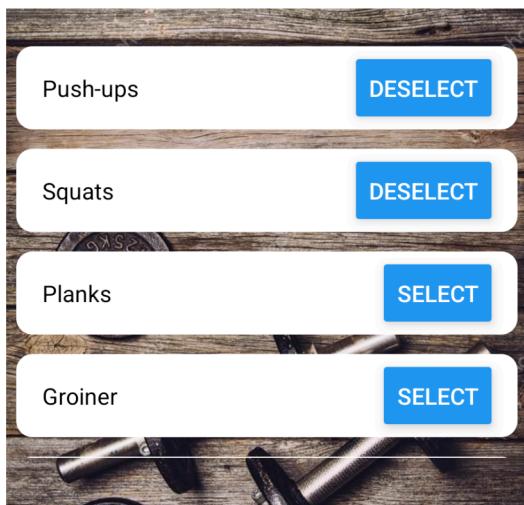
### SectionList - Fruits & Vegetables



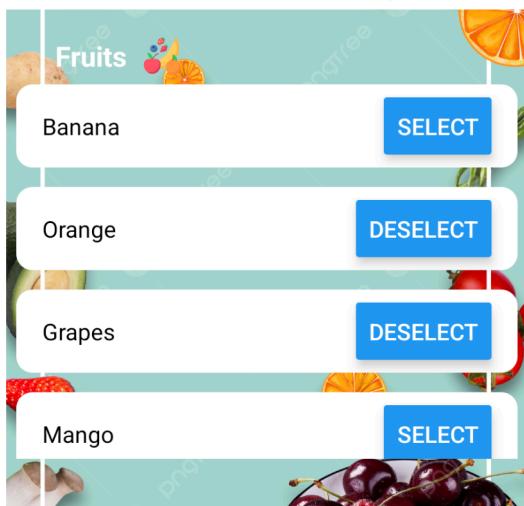
SELECTED EXERCISES:



### FlatList - Workouts



### SectionList - Fruits & Vegetables



**SELECTED EXERCISES:**  
Push-ups, Squats, Orange, Grapes

- **Video: [Drive](#)**