

Name: Sagar Rajendra Dave
Roll Number: D_49
Unit: 05
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The screenshot shows the Snack Expo editor interface. The top bar displays the URL 'snack.expo.dev/@zac_02/honors_ut5'. The left sidebar shows the project structure with files like App.js, UserContext.js, and UserComponent.js. The main editor area shows the code for App.js, which imports React, useState, UserContext, and UserComponent. It defines a constant App function that uses useState to manage a user object with the name 'Sagar Rajendra Dave' and email 'davesr@rknc.edu'. The App function returns a JSX element that wraps the UserComponent with the UserContext.Provider. The right sidebar shows the preview of the app, displaying the user's name and email. The bottom status bar indicates 'No errors' and shows the Expo version 'v50.0.0'.

```
1 import React, {useState} from 'react';
2 import {UserContext} from './UserContext';
3 import UserComponent from './components/UserComponent';
4
5
6 const App = () => {
7   const [user, setUser] = useState({name: 'Sagar Rajendra Dave',
8   email: 'davesr@rknc.edu'})
9
10  return(
11    <UserContext.Provider value={user}>
12      <UserComponent/>
13    </UserContext.Provider>
14  )
15 }
16
17 export default App;
```

The screenshot shows the Snack Expo editor interface. The top bar displays the URL 'snack.expo.dev/@zac_02/context-api'. The left sidebar shows the project structure with files like App.js, ComponentC.js, ComponentD.js, and ComponentE.js. The main editor area shows the code for App.js, which imports UserProvider from './UserContext' and ComponentC from './components/ComponentC'. It defines a constant App function that uses UserProvider to wrap the ComponentC. The App function returns a JSX element that wraps the ComponentC with the UserProvider. The right sidebar shows the preview of the app, displaying the text 'ComponentD - Sagar' and 'Hello from ComponentE'. The bottom status bar indicates 'No errors' and shows the Expo version 'v50.0.0'.

```
1 import {UserProvider} from './UserContext';
2 import ComponentC from './components/ComponentC';
3
4 const App = () => {
5   return(
6     <UserProvider value='Sagar'>
7       <ComponentC/>
8     </UserProvider>
9   )
10 }
11
12 export default App;
```

snack.expo.dev/@zac_02/context-api

Context API ⓘ
All changes saved half a minute ago. [See previous saves.](#) ✓

Search API

Save

My Device Android iOS Web

ComponentD - Sagar
Hello from ComponentE

Open files

App.js

UserContext.js

ComponentC.js

ComponentD.js

ComponentE.js

Project

assets

components

AssetExample.js

ComponentC.js

ComponentD.js

ComponentE.js

ComponentF.js

App.js

package.json

README.md

UserContext.js

```
1 import {createContext} from 'react';
2
3 export const UserContext = createContext();
4
5 const UserProvider = UserContext.Provider;
6 const UserConsumer = UserContext.Consumer;
7
8
9 export {UserConsumer, UserProvider}
10 export default UserConsumer;
```

✓ No errors

Prettier {} Editor Expo v50.0.0 ▾ Devices 1 Preview