Integrasi UI and Redux

☐ Integrasi UI and Redux

Objektif sesi

- Memahami dan mengimplementasikan Integrasi UI dan Redux

Integrasi UI dan Redux

Contoh sederhana aplikasi **catatan (notes)** menggunakan React Native dengan manajemen state menggunakan Redux.

Pada contoh ini, kita akan memiliki fitur untuk menambahkan **catatan baru.**

Apa yang harus disiapkan?

Aplikasi Catatan (Notes)

```javascript
// reducers/notesReducer.js
const initialState = {
  notes: [],
};


const notesReducer = (state = initialState, action) => {
  switch (action.type) {
    case 'ADD_NOTE':
      return { ...state, notes: [...state.notes, action.payload] };
    default:
      return state;
  }
};


export default notesReducer;
```

Aplikasi Catatan (Notes)

```javascript
// actions/notesActions.js
export const addNote = (note) => {
  return {
    type: 'ADD_NOTE',
    payload: note,
  };
};
```

Aplikasi Catatan (Notes)

```javascript
// components/NoteForm.js
import React, { useState } from 'react';
import { useDispatch } from 'react-redux';
import { addNote } from '../actions/notesActions';
import { View, TextInput, Button } from 'react-native';

const NoteForm = () => {
  const [noteText, setNoteText] = useState('');
  const dispatch = useDispatch();

  const handleAddNote = () => {
    if (noteText.trim() !== '') {
      dispatch(addNote(noteText));
      setNoteText('');
    }
  };

  return (
    <View>
      <TextInput
        placeholder="Type your note here"
        value={noteText}
        onChangeText={(text) => setNoteText(text)}
      />
      <Button title="Add Note" onPress={handleAddNote} />
    </View>
  );
};

export default NoteForm;
```

Aplikasi Catatan (Notes)

```javascript
// components/NoteList.js
import React from 'react';
import { useSelector } from 'react-redux';
import { View, Text, FlatList } from 'react-native';

const NoteList = () => {
  const notes = useSelector((state) => state.notes);

  return (
    <View>
      <Text>Notes:</Text>
      <FlatList
        data={notes}
        keyExtractor={(item, index) => index.toString()}
        renderItem={({ item }) => <Text>{item}</Text>}
      />
    </View>
  );
};

export default NoteList;
```

Aplikasi Catatan (Notes)

```javascript
// App.js
import React from 'react';
import { Provider } from 'react-redux';
import { createStore } from 'redux';
import notesReducer from './reducers/notesReducer';
import NoteForm from './components/NoteForm';
import NoteList from './components/NoteList';
import { View } from 'react-native';

const store = createStore(notesReducer);

const App = () => {
  return (
    <Provider store={store}>
      <View>
        <NoteForm />
        <NoteList />
      </View>
    </Provider>
  );
};

export default App;
```

Challenge !!

Buatlah aplikasi Catatan tersebut untuk bisa Edit dan Delete !!

Referensi

https://react-redux.js.org/introduction/getting-started

Rakamin
Academy

Thank you

Raih Mimpi #TanpaBatas