Stap 1:

```
PS C:\Users\verap\Desktop\ThomasMore\Kwartaal7\HybridApps\topic> npx create-next-app@latest
Need to install the following packages:
create-next-app@15.2.1
Ok to proceed? (y) y
√ What is your project named? ... dndkit-topic-jitskedeherdt
√ Would you like to use TypeScript? ... No / Yes
√ Would you like to use ESLint? ... No / Yes
√ Would you like to use Tailwind CSS? ... No / Yes
√ Would you like your code inside a `src/` directory? ... No / Yes
√ Would you like to use App Router? (recommended) ... No / Yes
√ Would you like to use Turbopack for `next dev`? ... No / Yes
√ Would you like to customize the import alias (`@/*` by default)? ... No / Yes
Creating a new Next.js app in C:\Users\verap\Desktop\ThomasMore\Kwartaal7\HybridApps\topic\dndkit-topic-jitskedeherdt.

Using npm.
```

Stap 2:

```
PS C:\Users\verap\Desktop\ThomasMore\Kwartaal7\HybridApps\topic\dndkit-topic-jitskedeherdt> npm install @dnd-kit/core @dnd-kit/utilities

added 3 packages, and audited 316 packages in 3s

129 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Stap 3: DragAndDrop.jsx

```jsx
import {useState} from "react";

export default function App() : Element {   no usages   Jitskedeherdt *
    const [task, setTask] = useState([
        {id:1, title:"Task1"},
        {id:2, title:"Task2"},
        {id:3, title:"Task3"},
        {id:4, title:"Task4"},
    ])
  return(
      <main className="flex min-h-screen justify-center p-10">
          <div>

              <h1 className="text-center">Mijn Taken</h1>

          </div>
      </main>
          )
          }
```

Stap 4: DragAndDrop.jsx

```jsx
const handleDragEnd=(event)=>{
    const {active, over} = event;

    if(active.id !== over.id){
        setItems((items)=>{
            const oldIndex = items.findIndex((item)=> item.id ===
active.id);
            console.log('old:' +oldIndex);
            const newIndex= items.findIndex((item)=> item.id === over.id);
            console.log('new:' +newIndex);

            return arrayMove(items,oldIndex,newIndex);
        })
    }
}
```

Stap 5: DragAndDrop.jsx

```jsx
return (
    <DndContext collisionDetection={closestCenter}
onDragEnd={handleDragEnd}>
        <SortableContext items={items}
strategy={verticalListSortingStrategy}>
            {items.map((item)=>(
                <SortableItem key={item.id} id={item.id}
text={item.title}></SortableItem>
            ))}

        </SortableContext>
    </DndContext>
)
```

Stap 6: SortableItem.jsx

```jsx
import React from 'react';
import { useSortable } from '@dnd-kit/sortable';
import { CSS } from '@dnd-kit/utilities';

export function SortableItem({ id, text }) {
    const { attributes, listeners, setNodeRef, transform, transition } =
useSortable({ id });

    const style = {
        transform: CSS.Transform.toString(transform),
        transition,
        padding: '16px',
        margin: '8px 0',
        backgroundColor: '#f4f4f4',
        border: '1px solid #ddd',
        borderRadius: '4px',
        cursor: 'grab',
        color: 'black',
    };
```

```
    return (
        <div ref={setNodeRef} style={style} {...attributes} {...listeners}>
            {text}
        </div>
    );
}
```

Resultaat: