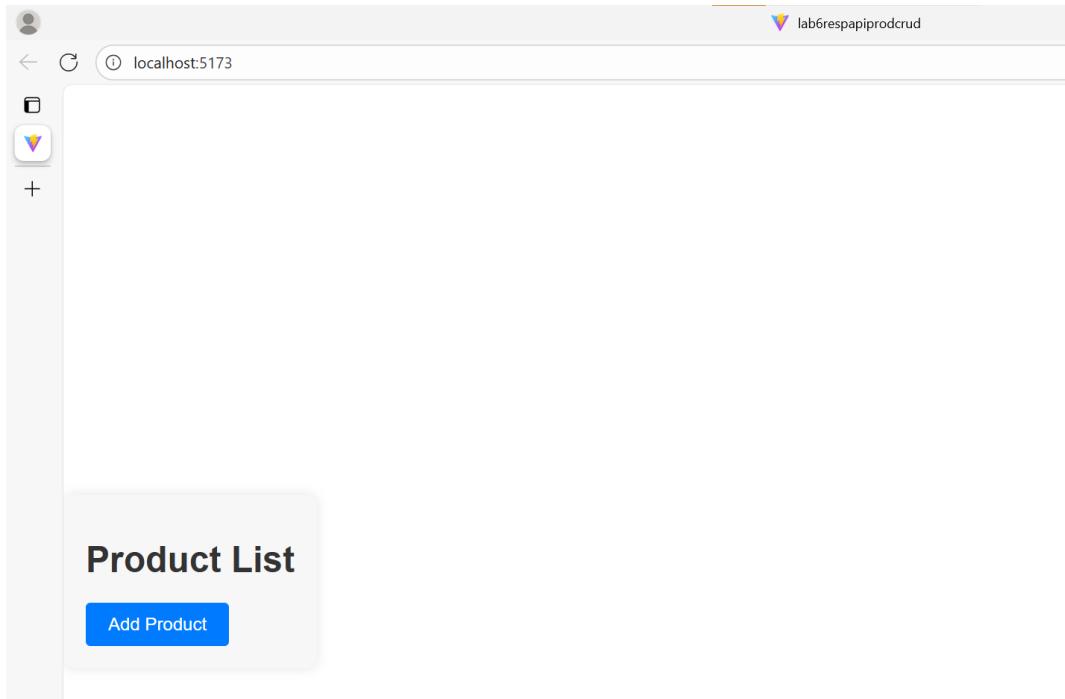


Lab6: React REST API output:

## Product CRUD RESULTS



## Add a new product:

The screenshot shows a browser window with a title bar "lab6respapiprocrud" and a URL "localhost:5173". The main content area displays a modal titled "Add New Product" with fields for Name, Description, Price, and Stock. The "Name" field contains "laptop for Deepika", "Description" contains "nvidia AI laptop recent versi", "Price" is "1200", and "Stock" is "100". Below the form are "Add Product" and "Cancel" buttons.

The bottom half of the screenshot shows the developer tools open. The "Sources" tab is active, displaying the code for "ProductForm.jsx". The code includes a fetch call to "http://localhost:5000/products". The "Console" tab shows an error message: "Failed to load :5000/products:1 net::ERR\_CONNECTION\_REFUSED". The "Network" tab shows a failed request to "http://localhost:5000/products".

```
e.preventDefault();
fetch('http://localhost:5000/products', {
  method: 'POST',
  headers: {'Content-Type': 'application/json'},
  body: JSON.stringify(newProduct)
})
.then(response=>response.json())
.then(data =>{
  console.log('Product added:',data);
  onAddProduct(data);
})
.catch(error =>console.error('Error adding product:',error));
};

return(
```

Error since Db.json is not run.

## Starting DB.Json

The screenshot shows the VS Code interface with the following details:

- File Explorer:** Shows files: Product.jsx (active), ProductForm.jsx, ProductList.jsx, and App.jsx.
- Code Editor:** Displays the Product.jsx code. The code handles product updates and deletions via fetch requests to 'http://localhost:5000/products'. It uses useState for productData and onBack for backtracking.
- Terminal:** Shows a PowerShell command: PS C:\Deepika\Azure Cloud\React\CHA\_ReactTraining\ReactLabsPractice\ingit\lab6respapiprocrud> json-server --watch db.json --port 5000. The terminal also lists esbuild and powershell.
- Bottom Bar:** Includes icons for file operations, search, and other development tools.

The screenshot shows a code editor interface with a terminal window below it.

**Code Editor (Product.jsx):**

```
2  function Product({product,onBack}){  
3    const [productData,setProductData] =useState(product);  
4  
5    const handleSave = () =>{  
6      fetch(`http://localhost:5000/products/${productData.id}`,  
7        {method:'PUT',  
8         headers: {'Content-Type': 'application/json'},  
9         body:JSON.stringify(productData)  
10       })  
11       .then(response =>response.json())  
12       .then(data =>{  
13         console.log('Product updated:',data);  
14         onBack();  
15       })  
16       .catch(error=>console.error('Error updating product:',error));  
17     };  
18  
19   const handleDelete = () => {  
20     fetch(`http://localhost:5000/products/${productData.id}`,  
21       {method:'DELETE'})  
22       .then(()=>{  
23         console.log('Product deleted');  
24         onBack();  
25       })  
26       .catch(error =>console.error('Error deleting product:',error));  
27     };  
28   };  
29 }
```

**Terminal:**

```
PS C:\Deepika\Azure Cloud\React\CHA_ReactTraining\ReactLabsPractice\ingit\lab6respapiprocrud> json-server --watch db.json --port 5000
```

The terminal shows the command `json-server --watch db.json --port 5000` being run, which starts a JSON Server on port 5000. The output indicates that the server is started on port 5000 and is watching for file changes.

Select a Product List from DB.Json file

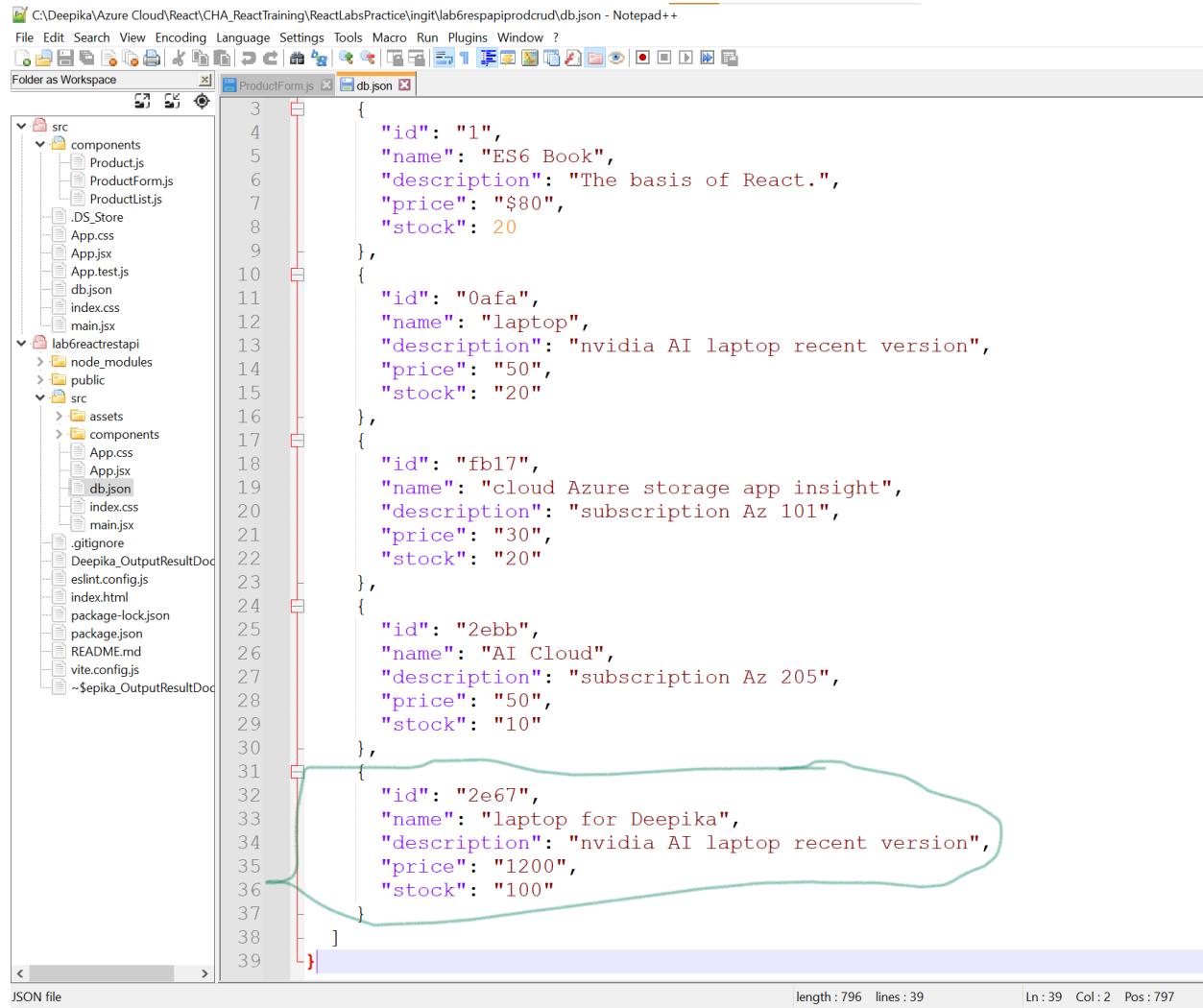
The screenshot shows a web application interface. At the top left is a user profile icon. Next to it are navigation icons for back, forward, and refresh, followed by a URL bar containing 'localhost:5173'. On the far left is a sidebar with icons for user management, a trash can, and a plus sign. The main content area has a title 'Product List' and contains five items listed in boxes: 'ES6 Book', 'laptop', 'cloud Azure storage app insight', 'AI Cloud', and 'laptop for Deepika'. Below this list is a blue button labeled 'Add Product'.

Product List

- ES6 Book
- laptop
- cloud Azure storage app insight
- AI Cloud
- laptop for Deepika

Add Product

## New Product added to DB.Json file



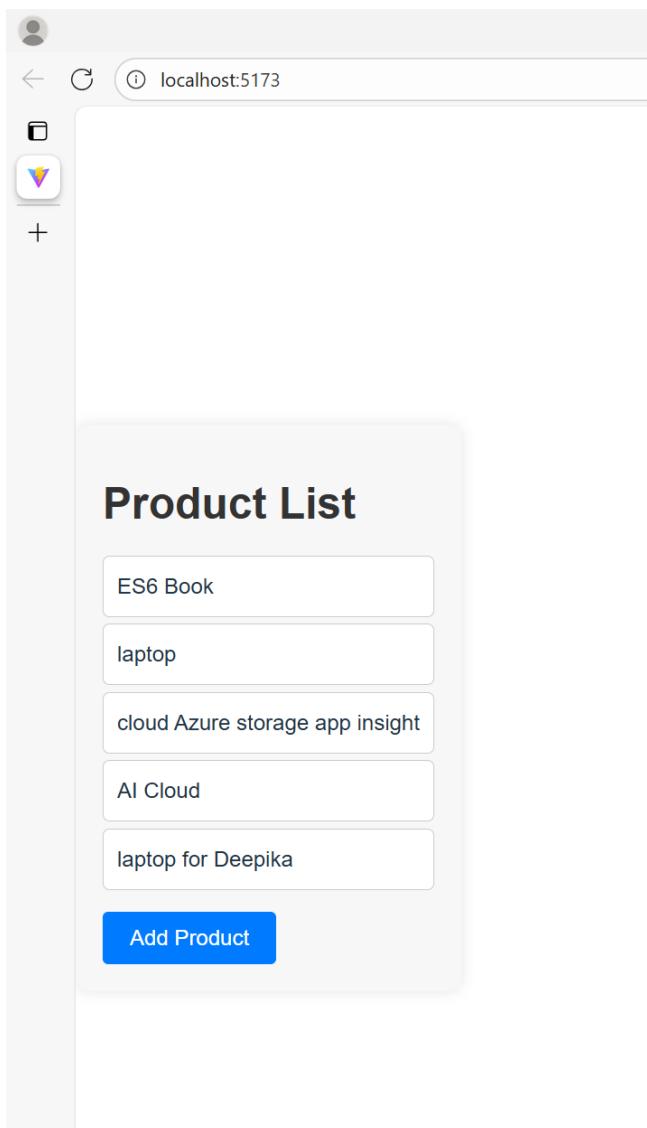
The screenshot shows a Notepad++ window with the file "db.json" open. The file contains a JSON array of products. A new product entry has been added at the end of the array, highlighted with a green oval. The product details are:

```
[{"id": "1", "name": "ES6 Book", "description": "The basis of React.", "price": "$80", "stock": 20}, {"id": "0afa", "name": "laptop", "description": "nvidia AI laptop recent version", "price": "50", "stock": "20"}, {"id": "fb17", "name": "cloud Azure storage app insight", "description": "subscription Az 101", "price": "30", "stock": "20"}, {"id": "2ebb", "name": "AI Cloud", "description": "subscription Az 205", "price": "50", "stock": "10"}, {"id": "2e67", "name": "laptop for Deepika", "description": "nvidia AI laptop recent version", "price": "1200", "stock": "100"}]
```

Save

Delete a product:

Before delete



## Product List

ES6 Book

laptop

cloud Azure storage app insight

AI Cloud

laptop for Deepika

Add Product

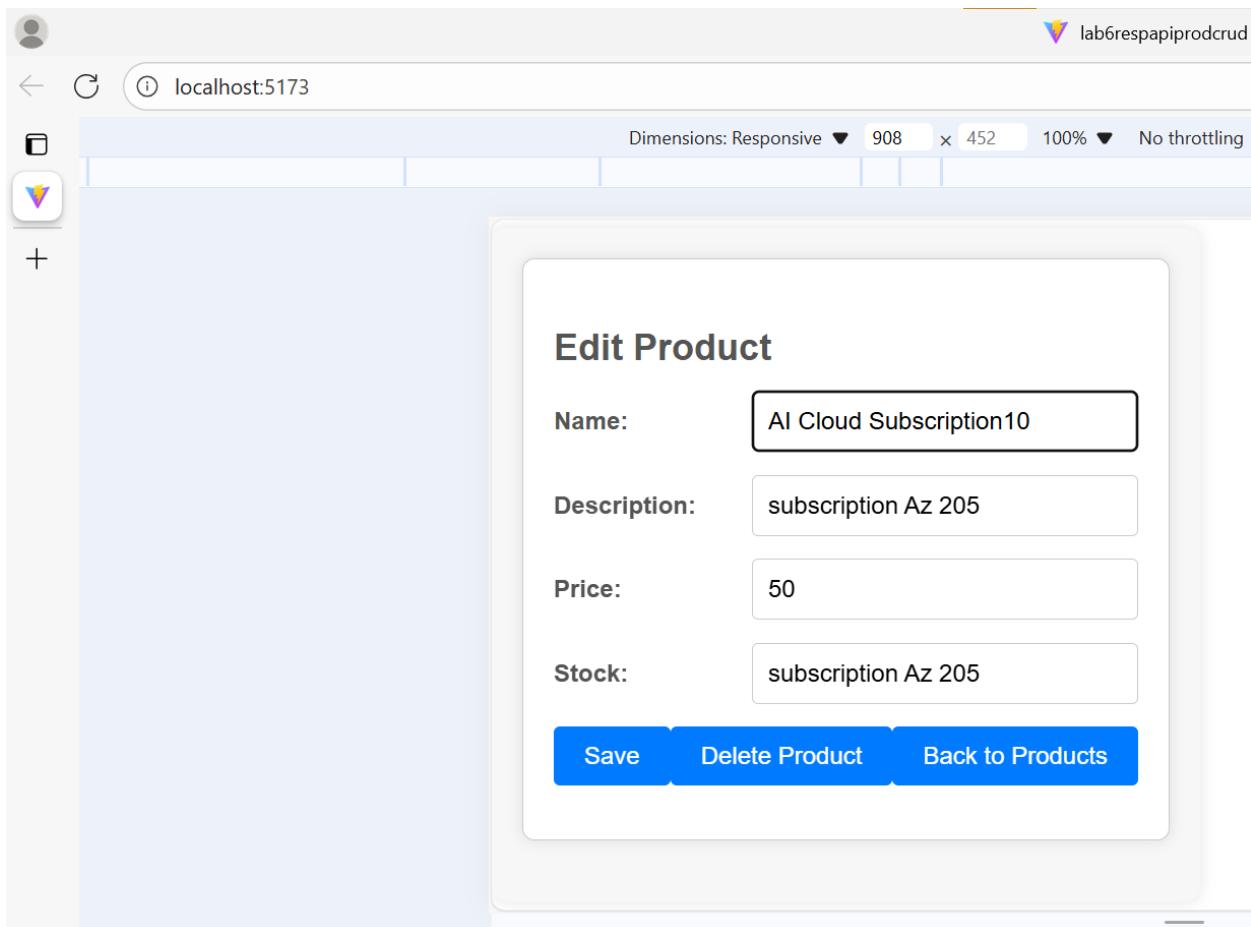
## Delete Operation

A screenshot of a web browser window titled "Edit Product". The URL is "localhost:5173". The page contains fields for Name, Description, Price, and Stock, all populated with placeholder text. At the bottom are three buttons: "Save", "Delete Product", and "Back to Products". The "Delete Product" button is highlighted with a yellow circle.

## After Delete

A screenshot of a web browser window titled "Product List". The URL is "localhost:5173". The page displays a list of products: "laptop", "AI Cloud", and "laptop for Deepika". A blue "Add Product" button is at the bottom. The browser interface shows standard navigation and developer tools.

Saving (PUT) Operation



A screenshot of a web application interface. At the top left is a user profile icon. Next to it are navigation icons for back, forward, and refresh, followed by a URL bar containing "localhost:5173". To the right of the URL bar is a dropdown menu labeled "Dimensions: Responsive". On the far left, there's a sidebar with a file icon, a "V" icon, and a plus sign. The main content area has a title "Product List" and contains three items in rounded rectangular boxes: "laptop", "AI Cloud Subscription10" (which is highlighted with a yellow background), and "laptop for Deepika". Below the list is a blue button labeled "Add Product".