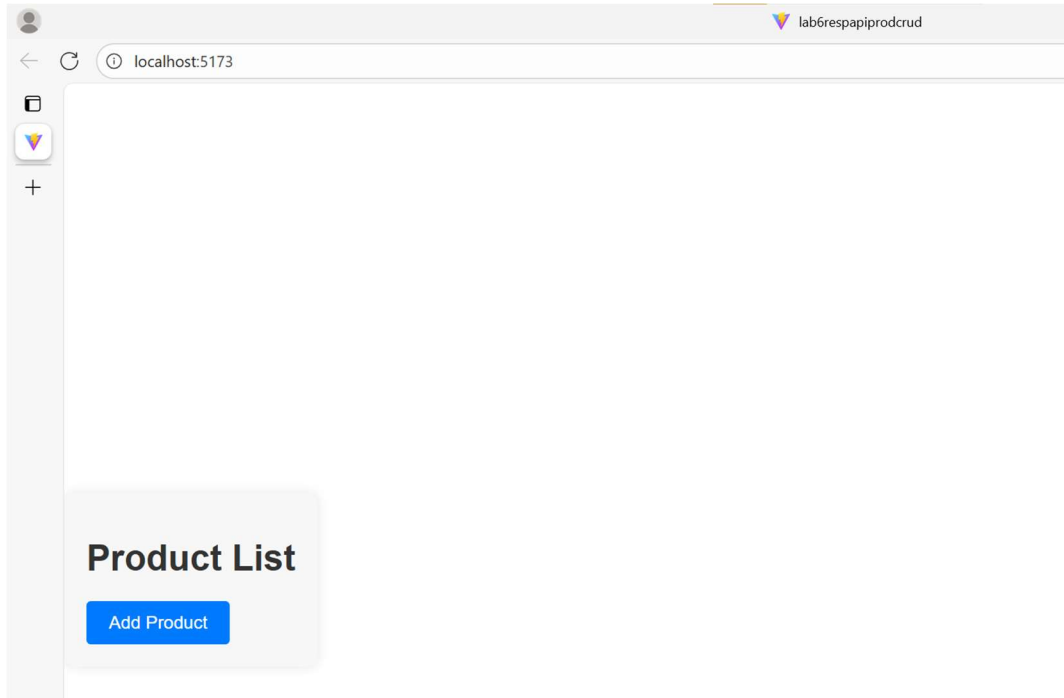


Lab6: React REST API output:

## Product CRUD RESULTS

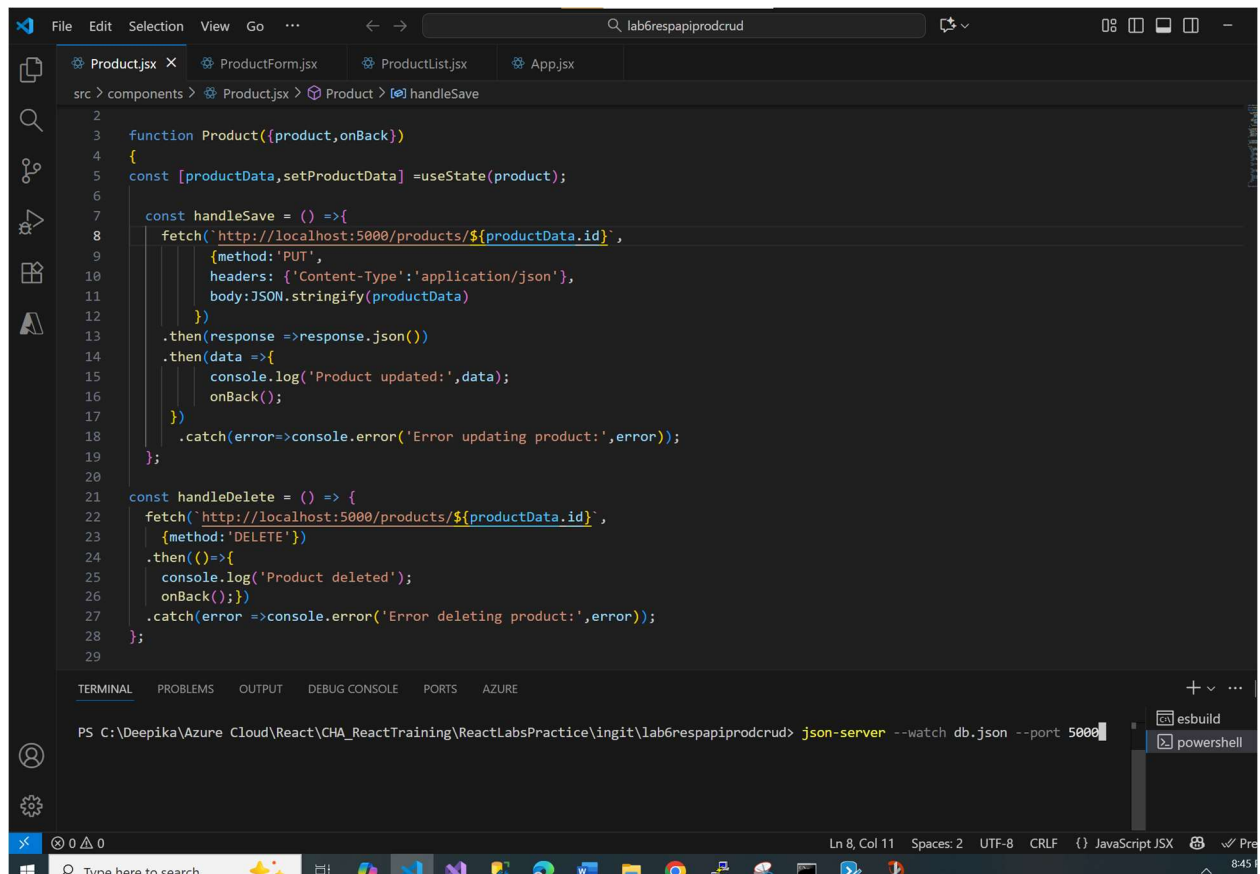


## Add a new product:

The screenshot shows a web browser at localhost:5173 displaying a 'Add New Product' form. The form has four input fields: 'Name' (laptop for Deepika), 'Description' (nvidia AI laptop recent versi), 'Price' (1200), and 'Stock' (100). Below the fields are 'Add Product' and 'Cancel' buttons. The browser's developer tools are open, showing the 'Sources' panel with the file 'ProductForm.jsx' selected. The code in the Sources panel shows a fetch call to 'http://localhost:5000/products' with a POST method and a JSON body. The console panel shows an error: 'Failed to load http://localhost:5000/products:1 @hook.js:608'. The error message is 'TypeError: Failed to fetch at handleSubmit (ProductForm.jsx:23:9)'. The console also shows a log message: 'Product added: {data}'.

## Error since Db.json is not run.

## Starting DB.Json



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

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE PORTS AZURE

PS C:\Deepika\Azure Cloud\React\CHA\_ReactTraining\ReactLabsPractice\ingit\lab6resapiprodcrud> json-server --watch db.json --port 5000

Ln 8, Col 11 Spaces: 2 UTF-8 CRLF {} JavaScript JSX 845

VS Code interface showing a React application with a JSON server.

**Product.jsx**

```
src > components > Product.jsx > Product > handleSave
2
3 function Product({product,onBack})
4 {
5   const [productData,setProductData] =useState(product);
6
7   const handleSave = () =>{
8     fetch('http://localhost:5000/products/${productData.id}',
9       {method:'PUT',
10        headers: {'Content-Type':'application/json'},
11        body:JSON.stringify(productData)
12      })
13     .then(response =>response.json())
14     .then(data =>{
15       console.log('Product updated:',data);
16       onBack();
17     })
18     .catch(error=>console.error('Error updating product:',error));
19   };
20
21   const handleDelete = () => {
22     fetch('http://localhost:5000/products/${productData.id}',
23       {method:'DELETE'})
24     .then(()=>{
25       console.log('Product deleted');
26       onBack();
27     })
28     .catch(error =>console.error('Error deleting product:',error));
29   };
30 }
```

**Terminal**

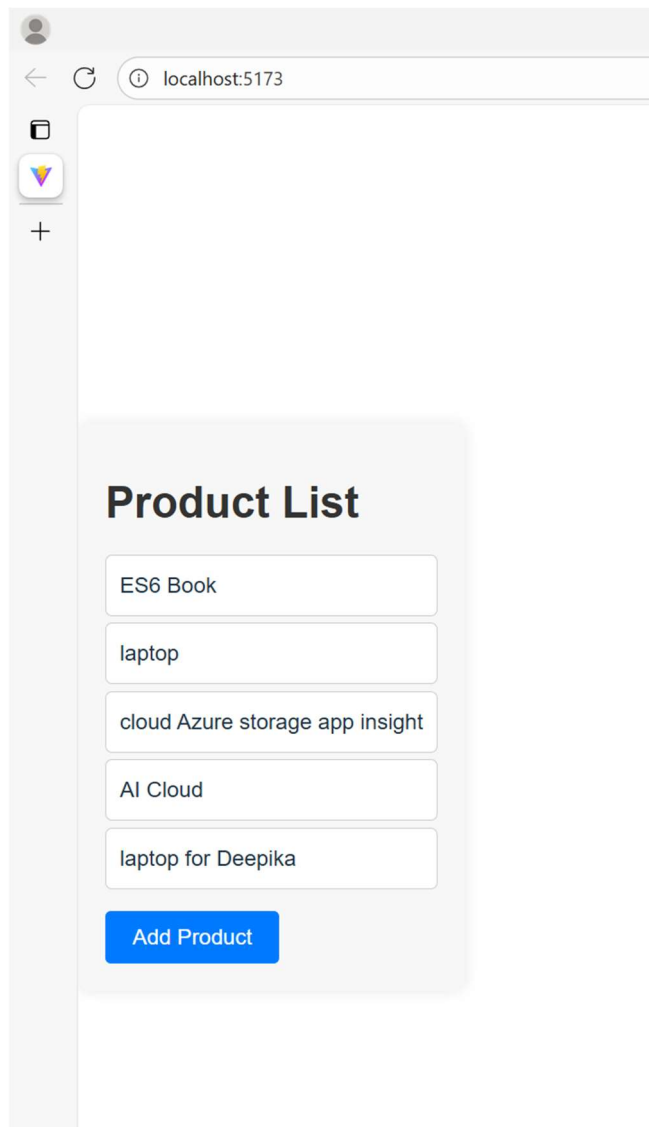
```
PS C:\Deepika\Azure Cloud\React\CHA_ReactTraining\ReactLabsPractice\ingit\lab6respapiprodcrud> json-server --watch db.json --port 5000
JSON Server started on PORT :5000
Press CTRL-C to stop
Watching db.json...

Index:
http://localhost:5000/

Static files:
Serving ./public directory if it exists

Endpoints:
http://localhost:5000/products
```

Select a Product List from DB.Json file



The image shows a web browser window with the address bar displaying 'localhost:5173'. The browser's sidebar on the left includes a profile icon, navigation arrows, a refresh button, a tab icon, a colorful logo, and a plus sign for additional tabs. The main content area features a light gray card titled 'Product List'. This card contains five text input fields with the following text: 'ES6 Book', 'laptop', 'cloud Azure storage app insight', 'AI Cloud', and 'laptop for Deepika'. Below these fields is a blue button labeled 'Add Product'.

### Product List

ES6 Book

laptop

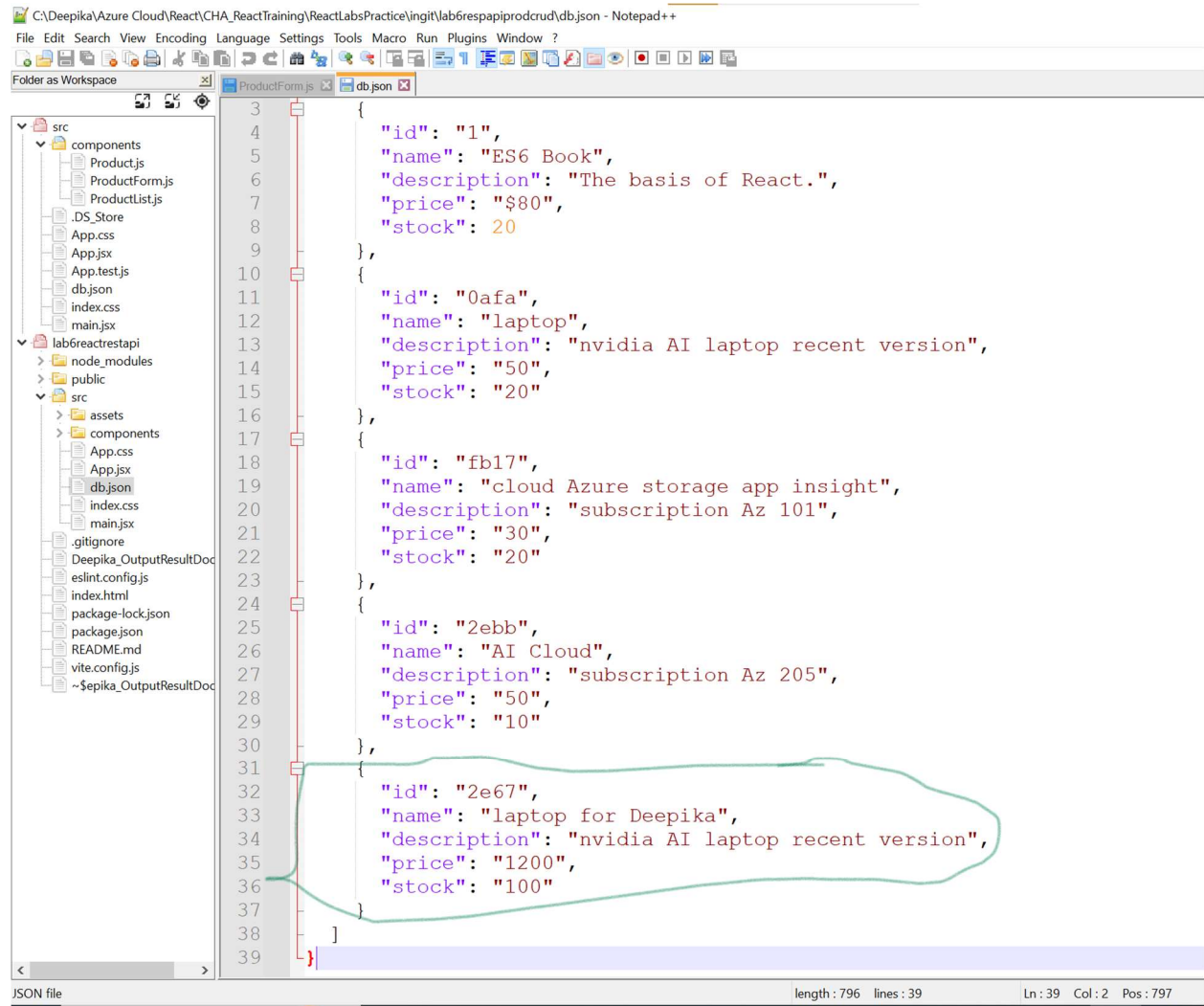
cloud Azure storage app insight

AI Cloud

laptop for Deepika

Add Product

## New Product added to DB.Json file



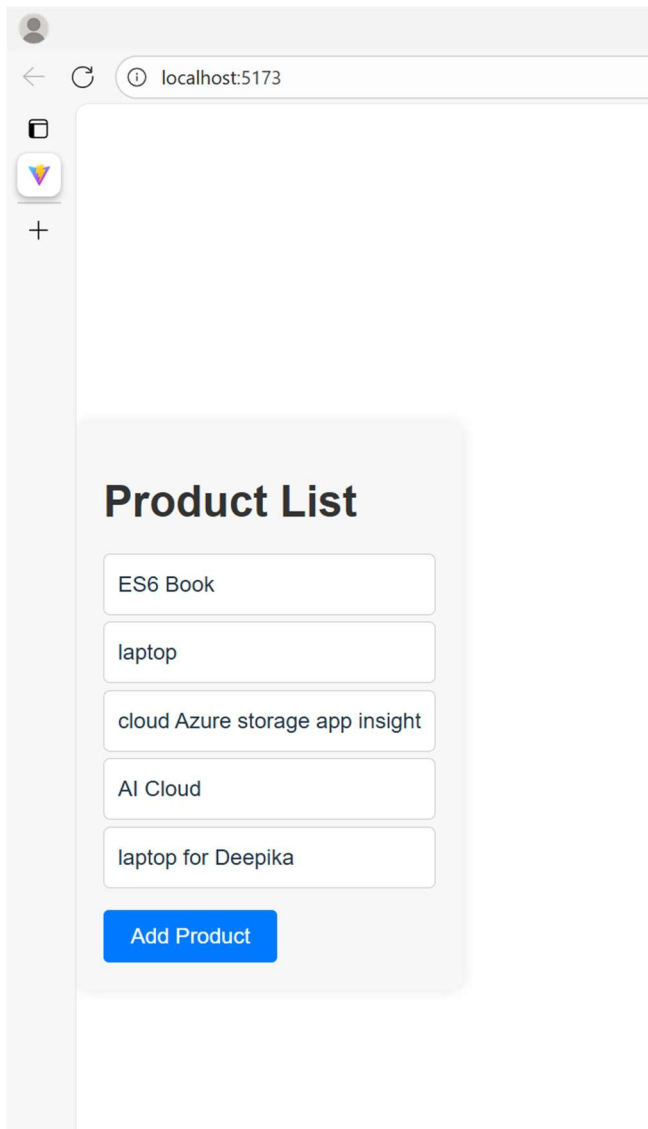
```
3 {
4   "id": "1",
5   "name": "ES6 Book",
6   "description": "The basis of React.",
7   "price": "$80",
8   "stock": 20
9 },
10 {
11   "id": "0afa",
12   "name": "laptop",
13   "description": "nvidia AI laptop recent version",
14   "price": "50",
15   "stock": "20"
16 },
17 {
18   "id": "fb17",
19   "name": "cloud Azure storage app insight",
20   "description": "subscription Az 101",
21   "price": "30",
22   "stock": "20"
23 },
24 {
25   "id": "2ebb",
26   "name": "AI Cloud",
27   "description": "subscription Az 205",
28   "price": "50",
29   "stock": "10"
30 },
31 {
32   "id": "2e67",
33   "name": "laptop for Deepika",
34   "description": "nvidia AI laptop recent version",
35   "price": "1200",
36   "stock": "100"
37 }
38 ]
39 }
```

JSON file      length : 796    lines : 39    Ln : 39    Col : 2    Pos : 797

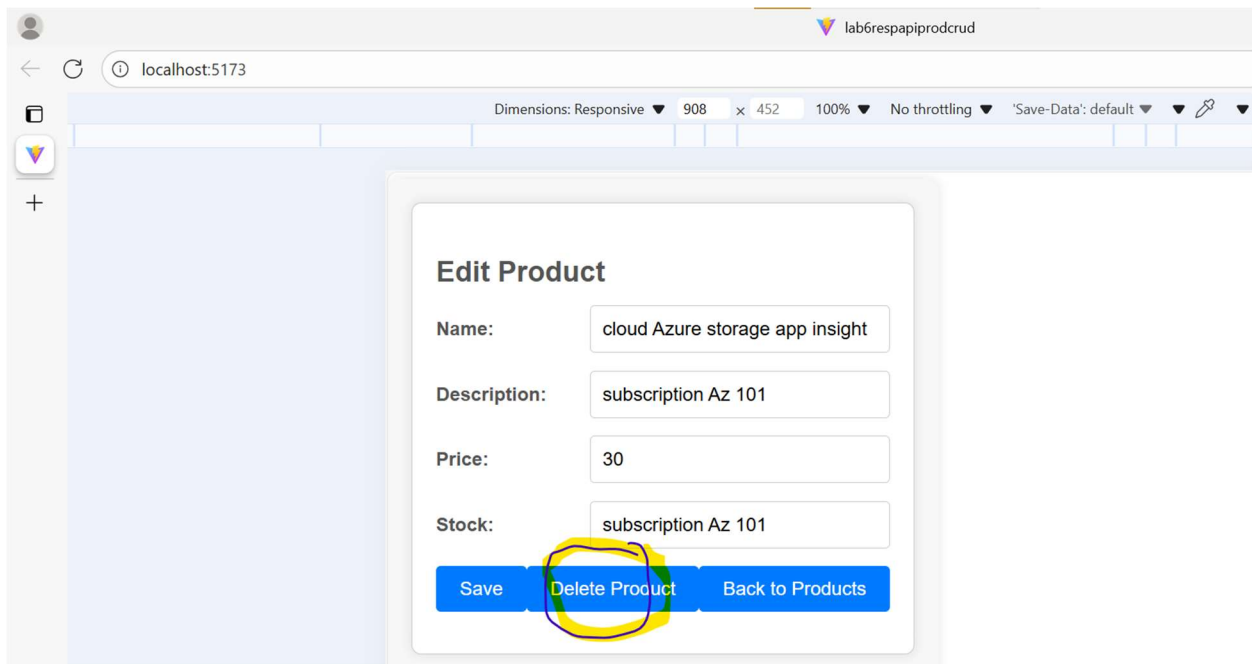
Save

Delete a product:

Before delete



## Delete Operation



lab6respapiprodcrud

localhost:5173

Dimensions: Responsive 908 x 452 100% No throttling 'Save-Data': default

### Edit Product

Name: cloud Azure storage app insight

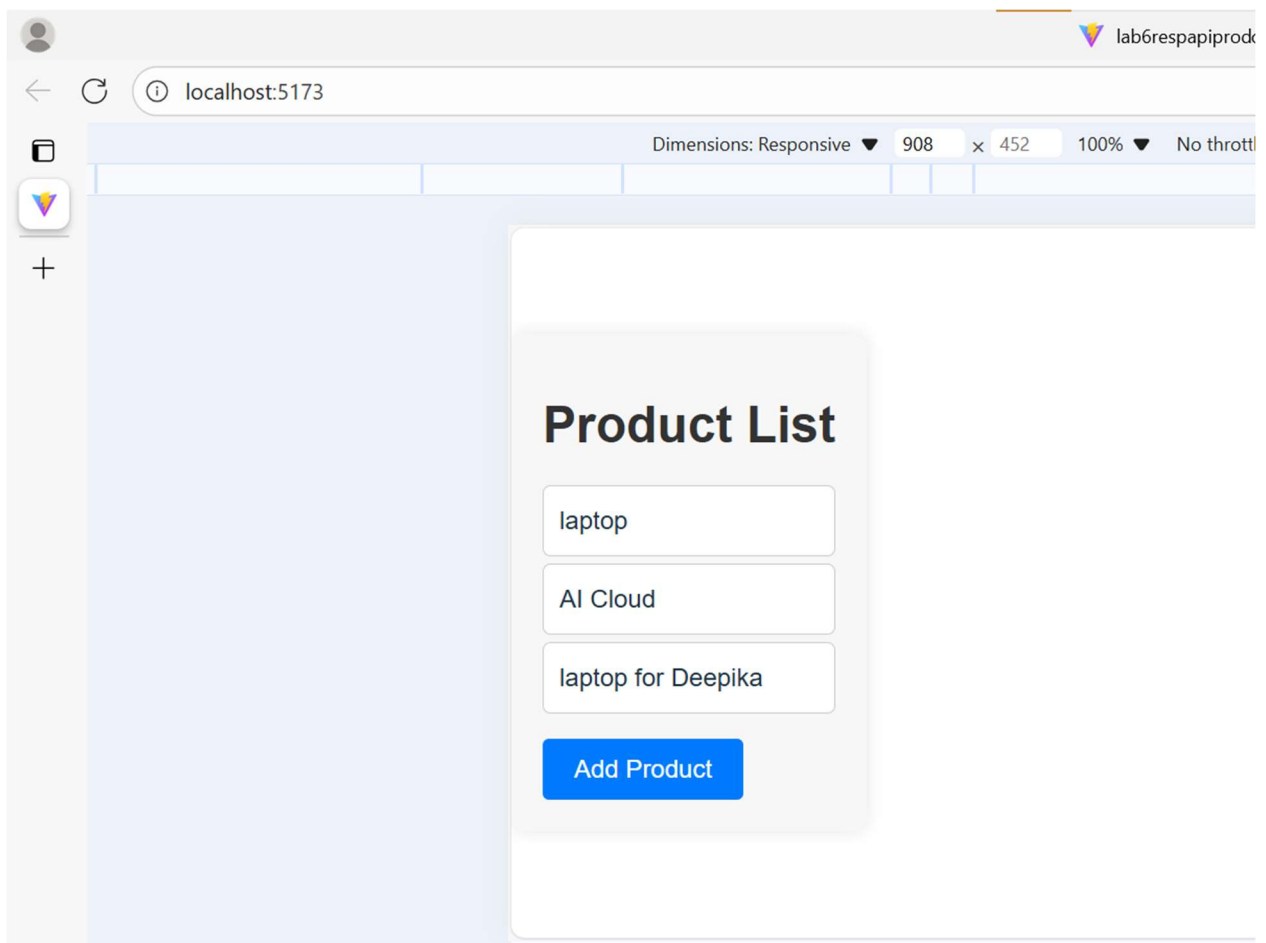
Description: subscription Az 101

Price: 30

Stock: subscription Az 101

Save Delete Product Back to Products

## After Delete



lab6respapiprodc

localhost:5173

Dimensions: Responsive 908 x 452 100% No throttl

### Product List

laptop

AI Cloud

laptop for Deepika

Add Product



Saving (PUT) Operation

