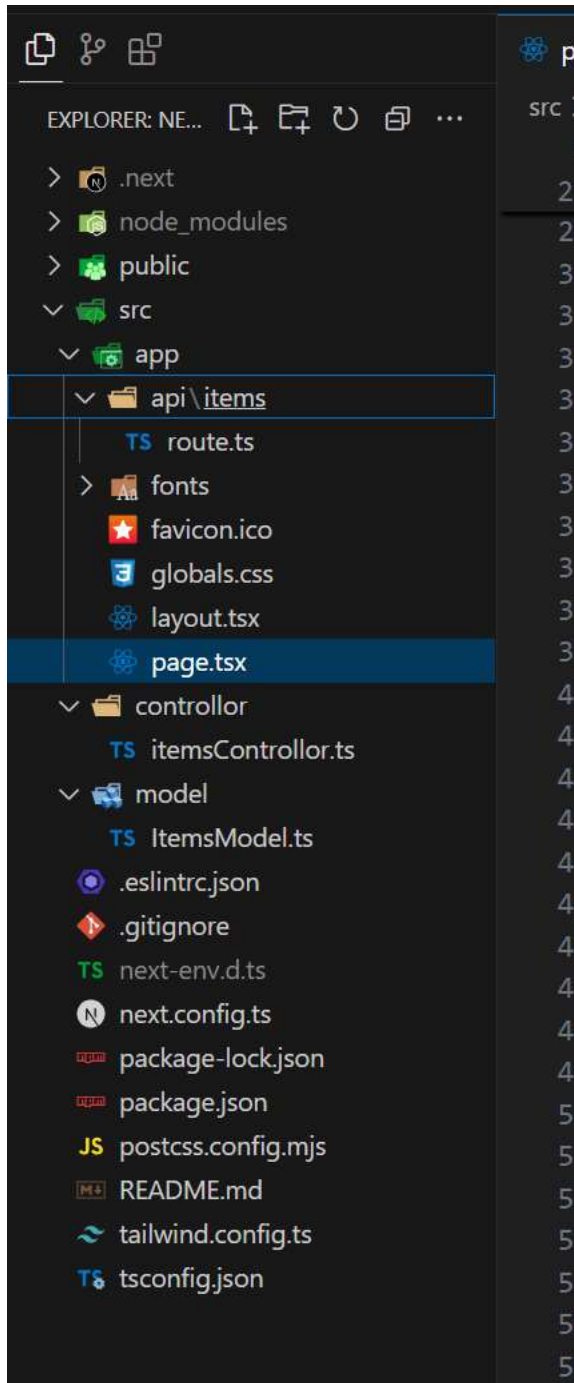


# MVC IN NEXT.js 15

GITHUB link → [https://github.com/saud23058/next-js\\_MVC](https://github.com/saud23058/next-js_MVC)

## Folder Structure



## MODEL

```
src > model > TS ItemsModel.ts > ...
1  export interface Items {
2    id: number;
3    name: String;
4  }
5
6  let item: Items[] = [
7    { id: 1, name: "Item" },
8    { id: 2, name: "Item" },
9  ];
10
11 export const getAllItems = (): Items[] => {
12   return item;
13 };
14
15 export const addItem = (name: string) => {
16   const newItem: Items = { id: item.length + 1, name };
17   item.push(newItem);
18   return newItem;
19 };
20 |
```

## Controller

```
src > controller > TS ItemsController.ts > ...
1  import { addItem, getAllItems, Items } from "../model/ItemsModel";
2
3  export const fetchAllData = (): Items[] => {
4    return getAllItems();
5  };
6
7  export const createItem = (name: string): Items => {
8    if (!name) {
9      throw new Error("Name is required");
10    }
11    return addItem(name);
12  };
13
```

## VIEW

```
1  const ItemsPage = () => {
2    return (
3      <div className="container mx-auto p-4 <div className="text-2xl font-bold">Items</div>
4      <div className="text-red-500">{error}</div>
5      <div className="mt-4">
6        {item.map((item) => {
7          <div key={item.id} className="mt-1">{item.name}</div>
8        })}
9      </div>
10     <div className="mt-4">
11       <input
12         type="text"
13         className="border border-gray-300"
14         <div className="border border-gray-300"
15         type="text"
16         className="border border-gray-300"
17         placeholder="Add new item"
18       >
19       <button
20         onClick={handleAddItem}
21         className="bg-blue-500 text-white px-4 py-2 rounded-md hover:bg-blue-700 dark:bg-blue-900 dark:hover:bg-blue-700"
22       >
23         Add Item
24       </button>
25     </div>
26   );
27 }
28
29 export default ItemsPage;
30
```

## OUTPUT

