Technical Documentation

Document form creation in react JS (support with HTML5, CSS3, ES6) and Service API is created in InterSystems Cache.

List of concepts used:

- REST
- Context API
- Custom Hook
- UseEffect Hook
- UseState Hook
- UseHistory Hook

List of libraries used:

- React
- React-icons
- React-router-dom
- bootstrap

Service API Creation:

Intersystems Cache I have created the below REST API's

- GetDocumentDetails - /document/v1/getDocumentDetails
  - ⇨ Get the saved existing document details
- SaveDocumentDetails - /document/v1/saveDocumentDetails
  - ⇨ Save the document details
- GetAllDocumentTypes –
  - ⇨ Get all document types for select option
- GetDocumentValidatedBy
  - ⇨ Get all document validated by for select multiple option

How to import classes into cache:

Step 1: Open terminal in Cube

Step 2: select the required namespace to import using zn "namespace"

Step 3: D $system.OBJ.ImportDir(Path,"*.CLS","CK",,1)

   Path - Provide the Local Git folder

Step 4: Go to System Administration -> Security -> Applications -> Web Applications and configure the route like below in the screenshot.
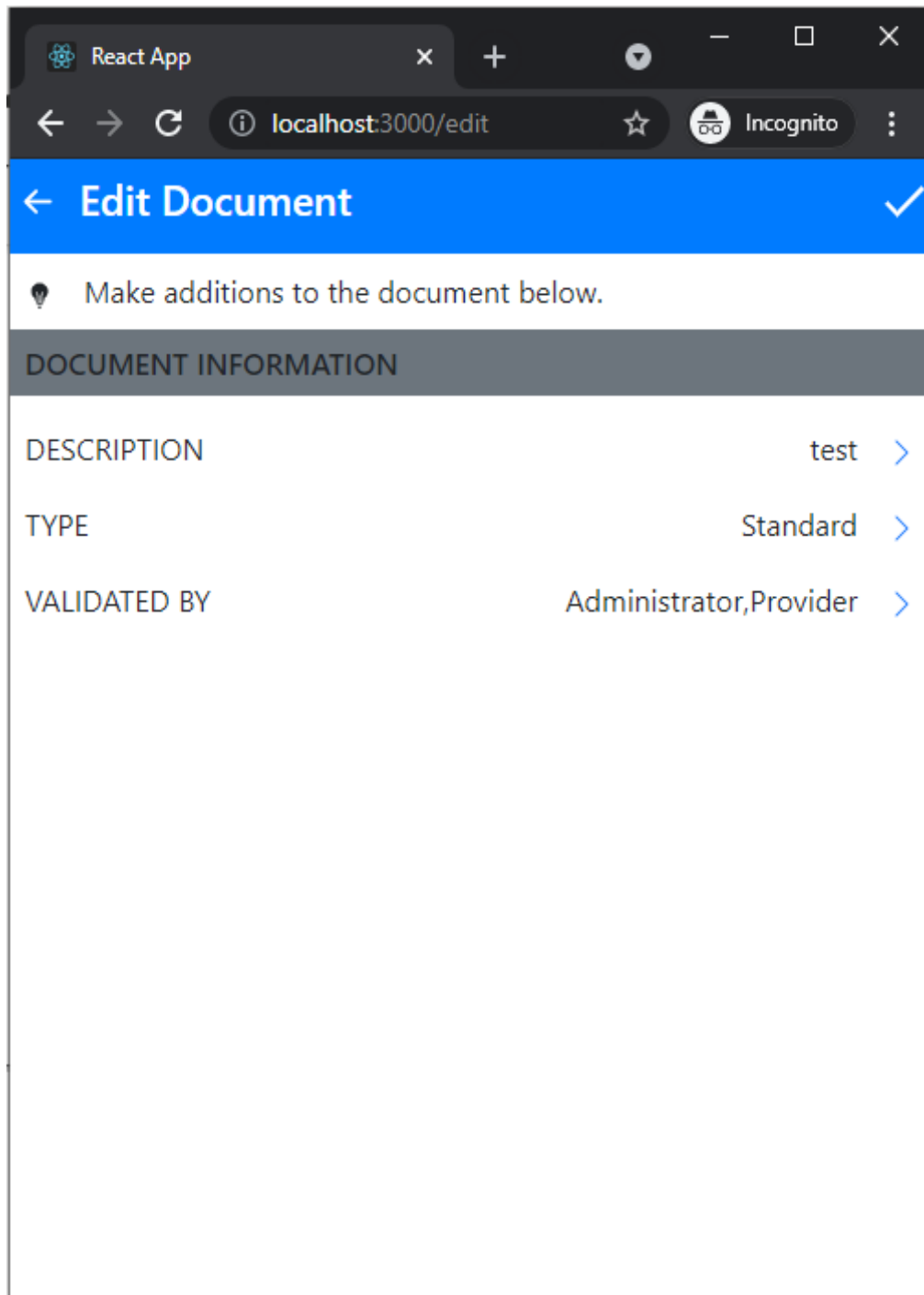
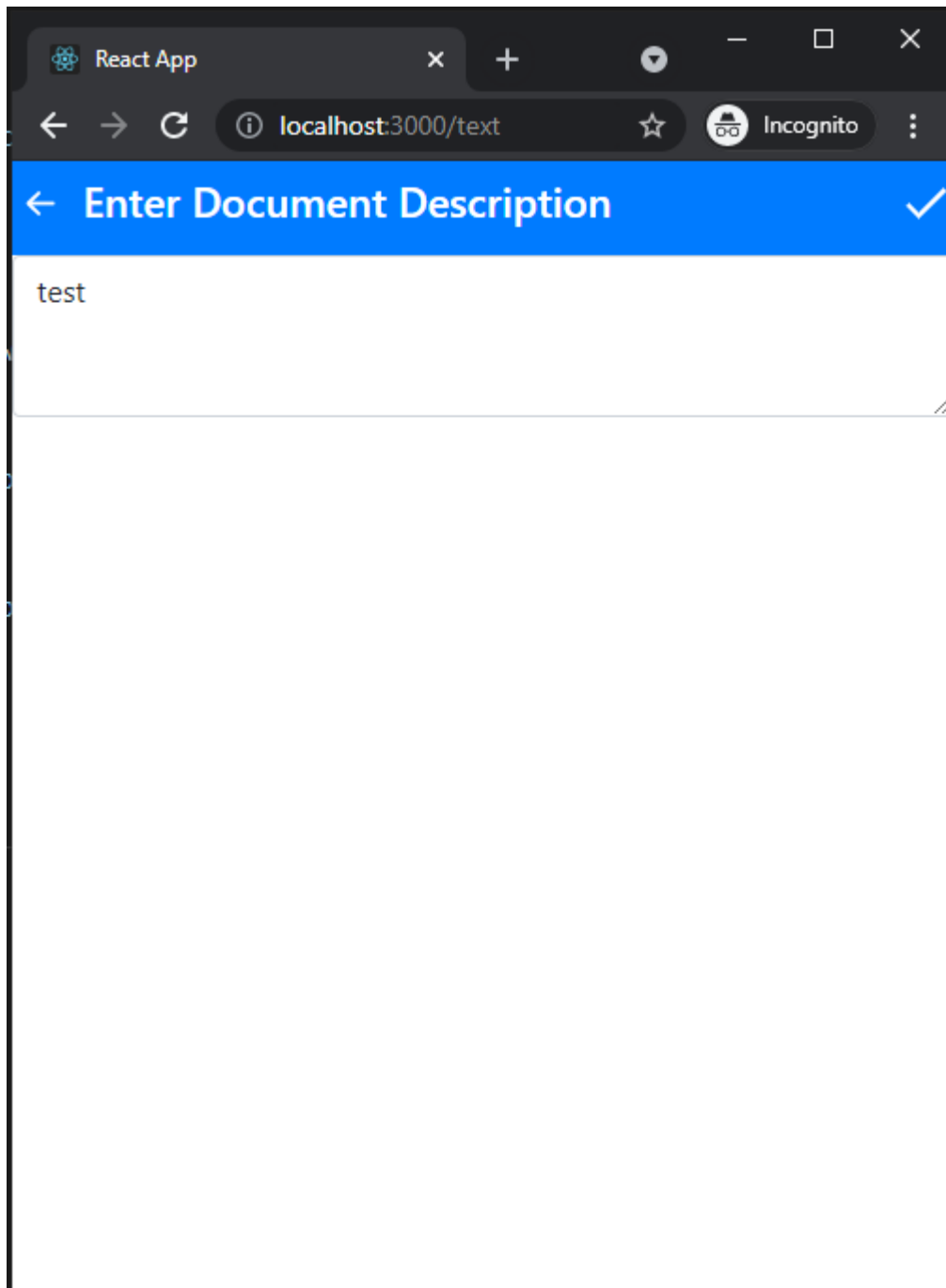**UI Screenshots:**

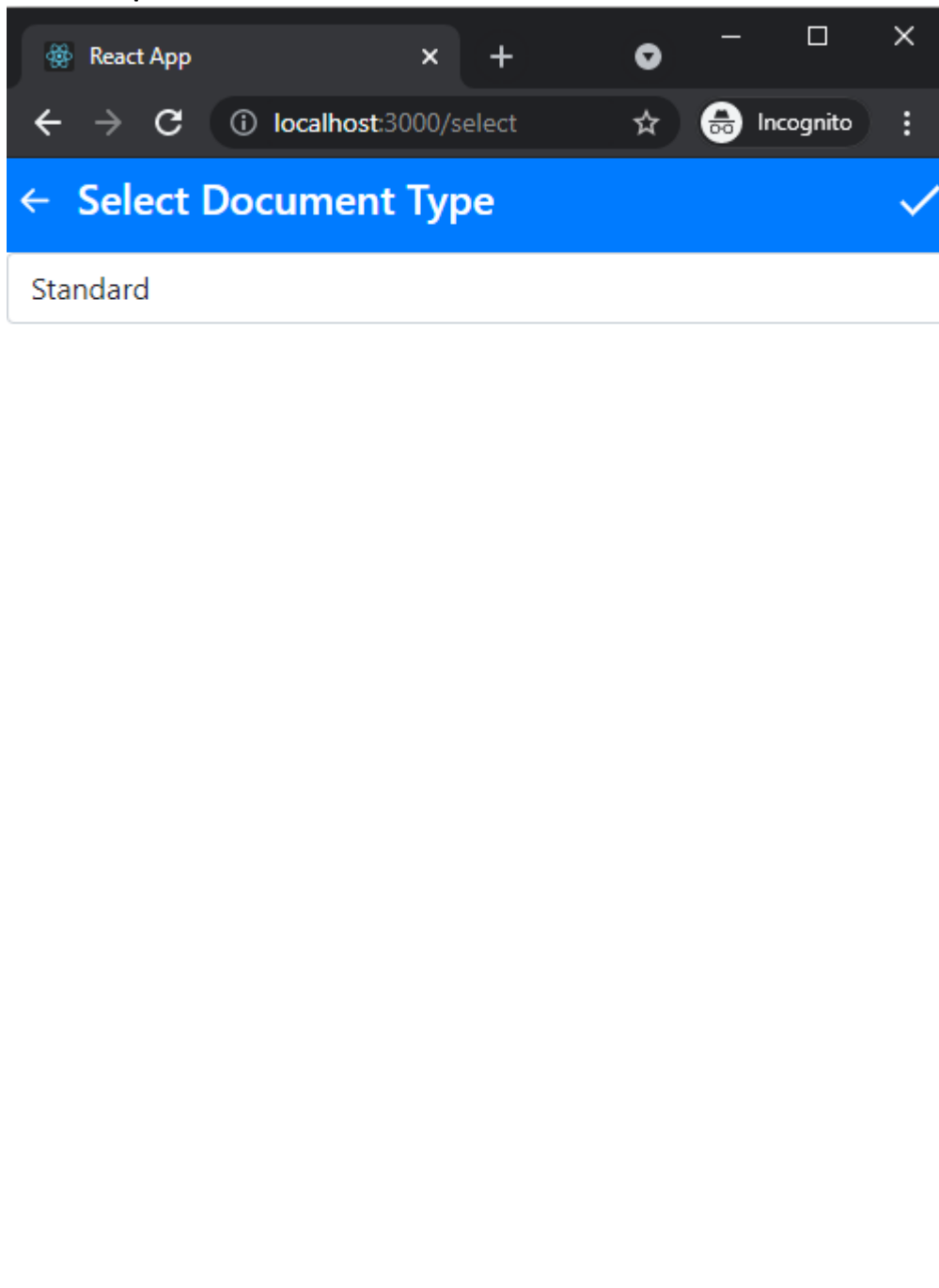**Document List Screen:**
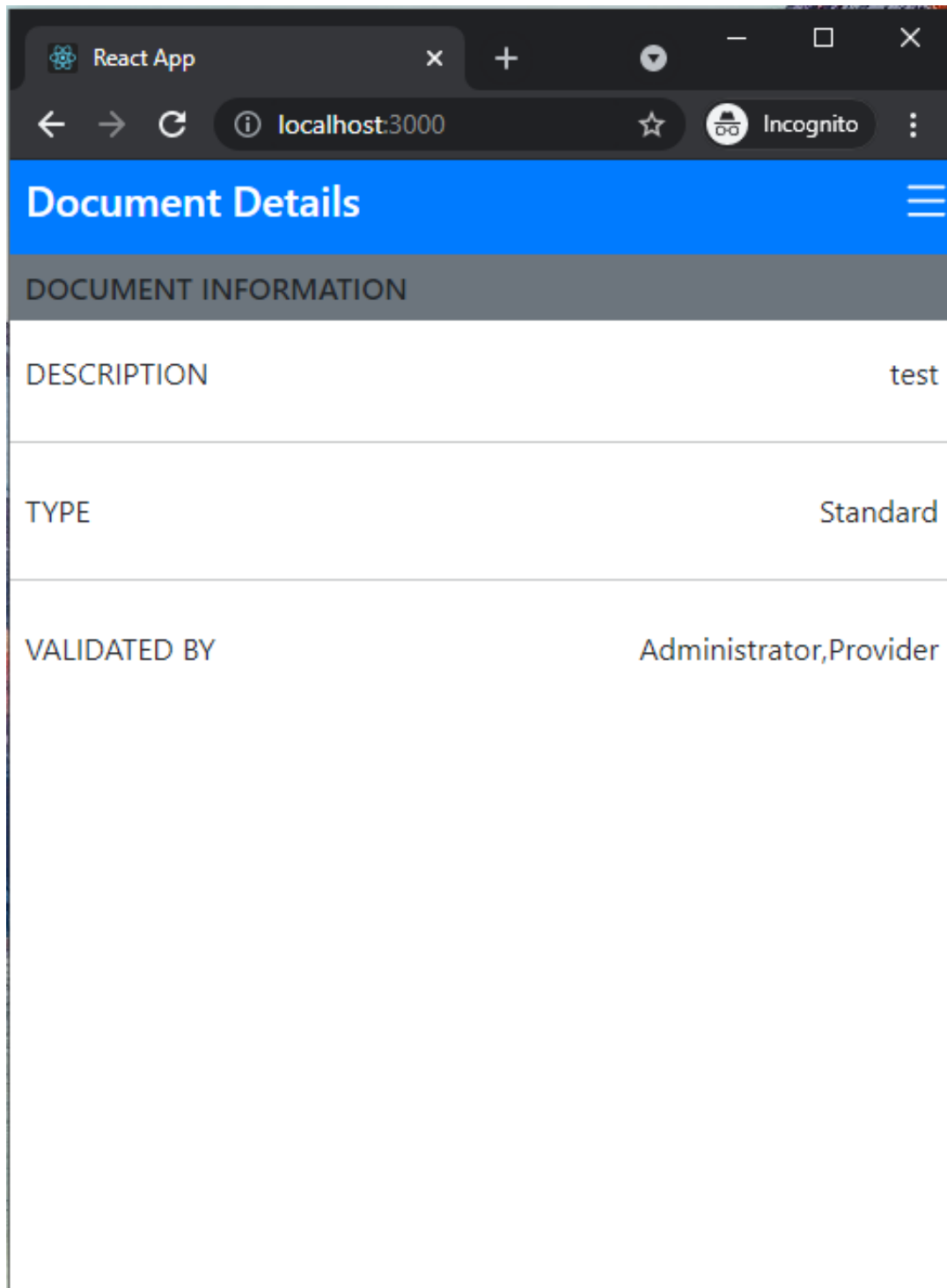
Document Menu Screen:
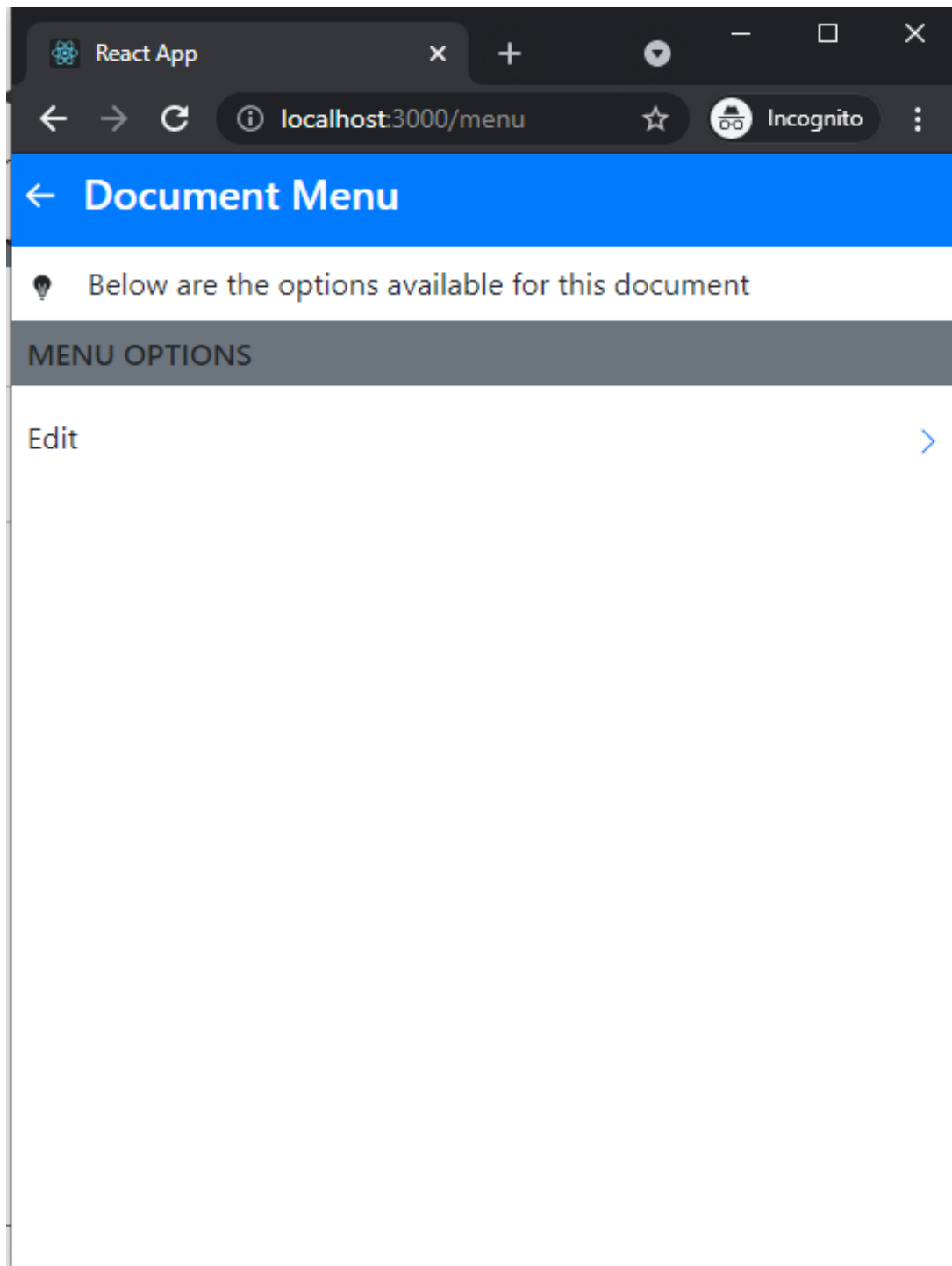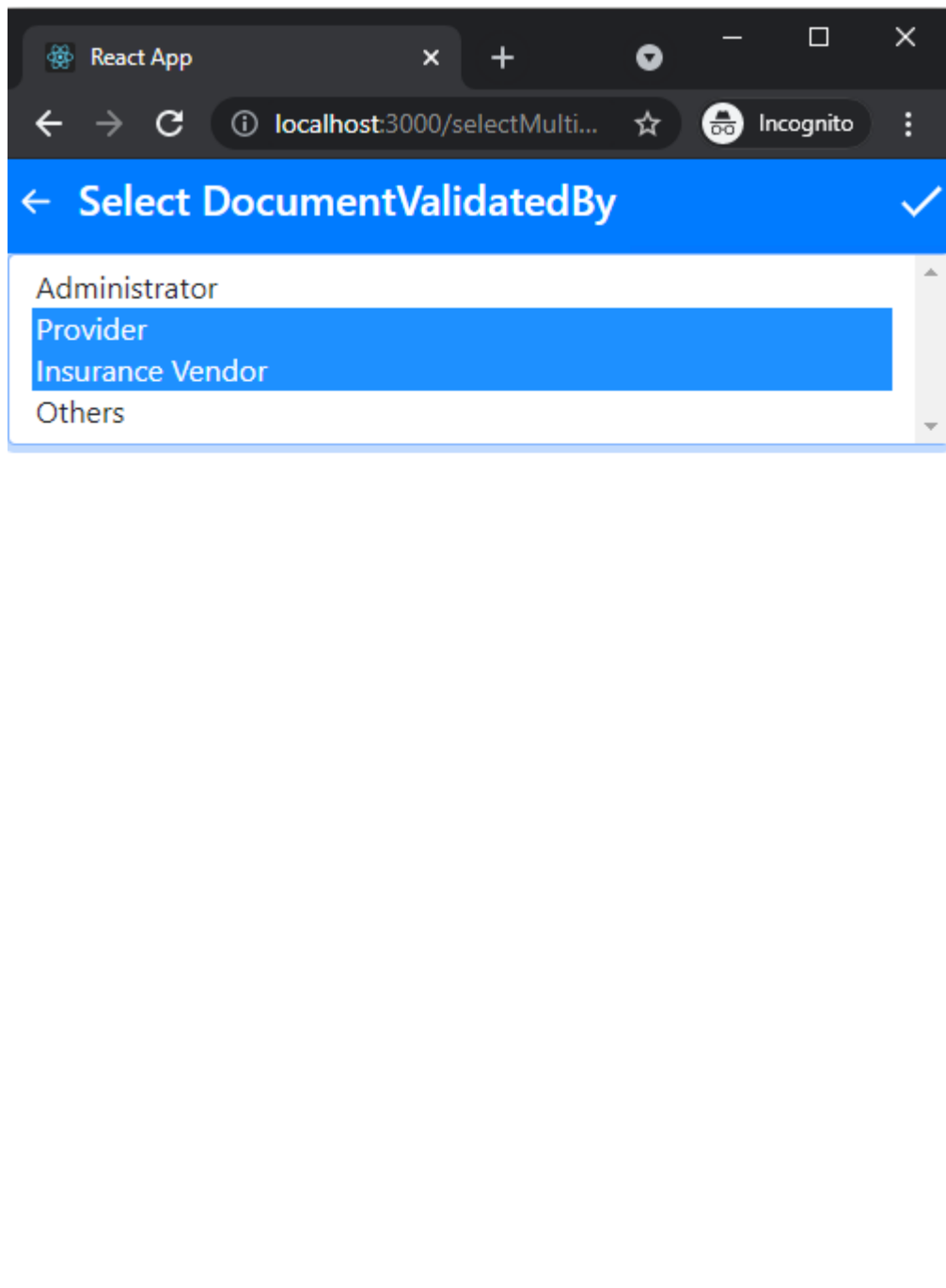
Edit Document Screen:

TextAreaComponent Screen:

Select Component Screen:

Select Multiple Screen:

Unit Testing Results:

```
^CTerminate batch job (Y/N)? Terminate batch job (Y/N)? y
 PASS  src/components/__TEST__/DocumentList.test.js (12.416 s)
 PASS  src/components/__TEST__/DocumentEdit.test.js (12.415 s)
 PASS  src/components/__TEST__/TextAreaComponent.test.js (12.498 s)
 PASS  src/components/__TEST__/DocumentMenu.test.js (12.537 s)
 PASS  src/Contexts/__test__/DocumentContext.test.js
 PASS  src/components/__TEST__/SelectComponent.test.js
 PASS  src/components/__TEST__/SelectMultiple.test.js

Test Suites: 7 passed, 7 total
Tests:       7 passed, 7 total
Snapshots:   0 total
Time:        20.675 s
Ran all test suites related to changed files.

Watch Usage
 › Press a to run all tests.
 › Press f to run only failed tests.
 › Press q to quit watch mode.
 › Press p to filter by a filename regex pattern.
 › Press t to filter by a test name regex pattern.
 › Press Enter to trigger a test run.
```