

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.

System > Security Management > Web Applications > Edit Web Application - (security settings)

Edit Web Application

Save Cancel

Edit definition for web application /document/v1:

General Application Roles Matching Roles

Name: /document/v1
Required: (e.g. /csp/appname)

Description:

Namespace: TEST Default Application for TEST: /csp/test ☐ Namespace Default Application

Enable Application ☒

Enable ☒ REST
Dispatch Class: Document.RestAPI
Required.

☐ CSP/ZEN
☐ Analytics ☒ Inbound Web Services ☐ Prevent login CSRF attack

Security Settings

Resource Required: Group By ID:

Allowed Authentication Methods ☒ Unauthenticated ☐ Password ☐ Login Cookie

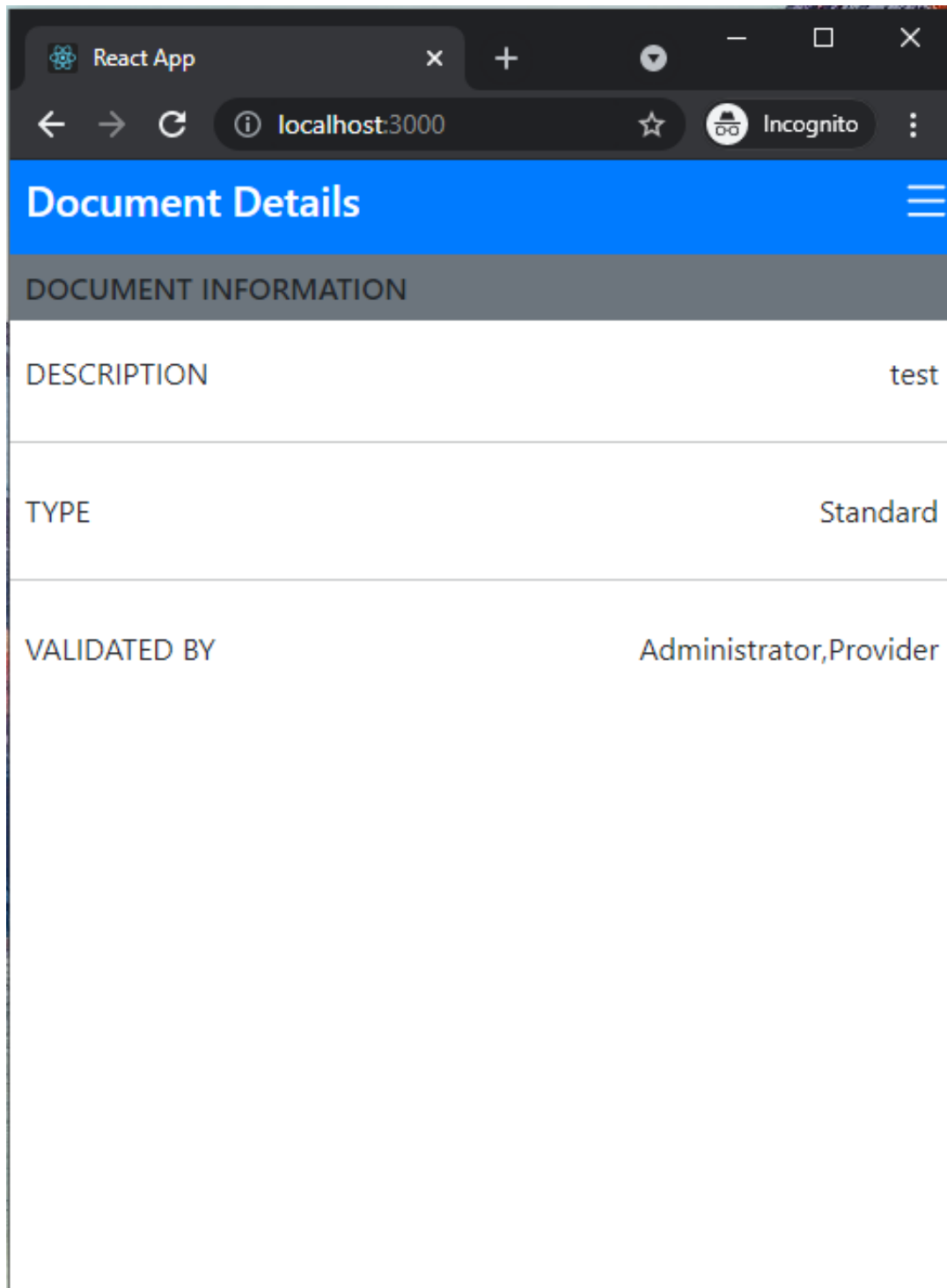
Session Settings

Session Timeout: 900 seconds Event Class: .cls

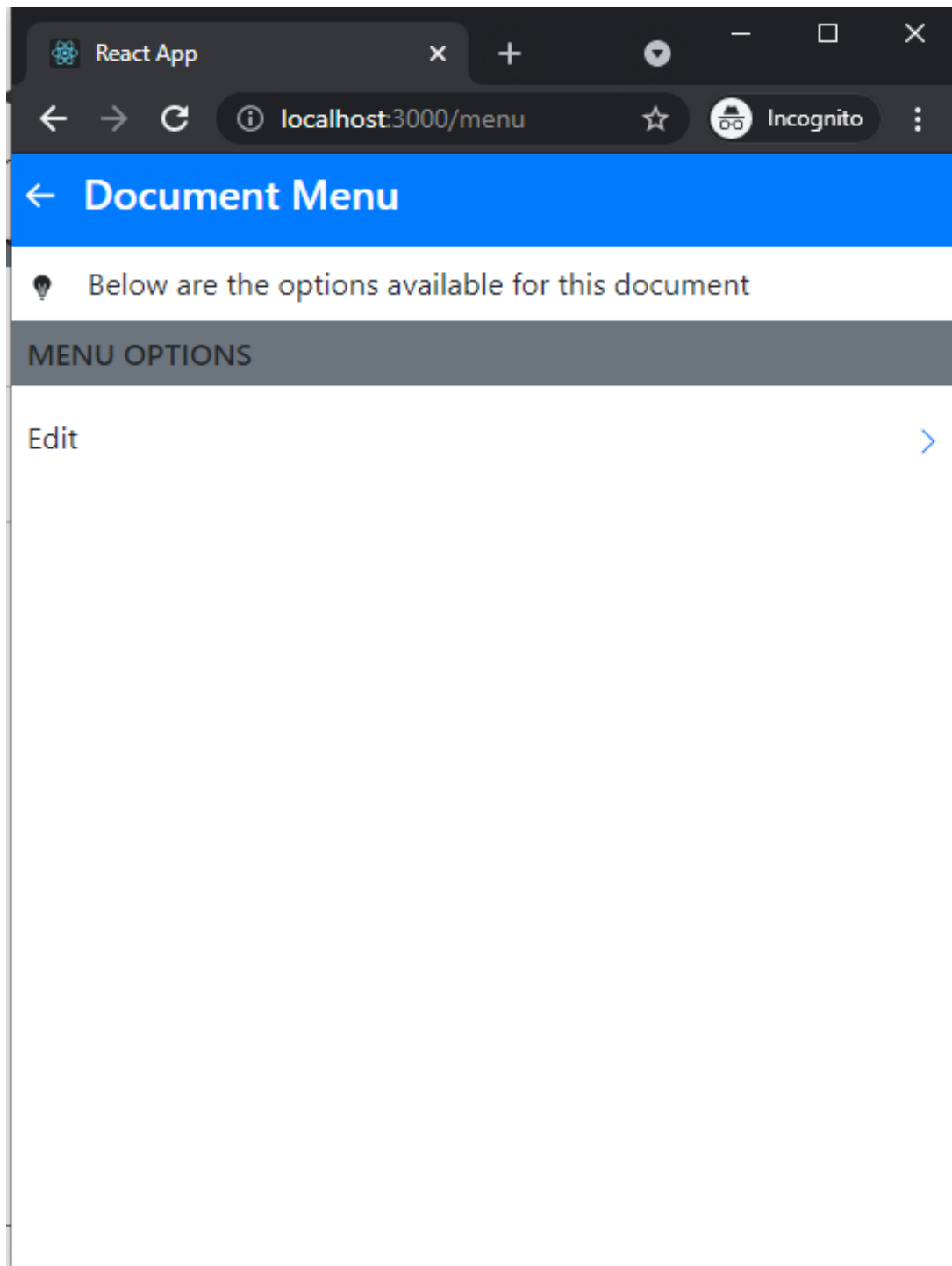
Use Cookie for Session: Always Session Cookie Path: /document/v1/

UI Screenshots:

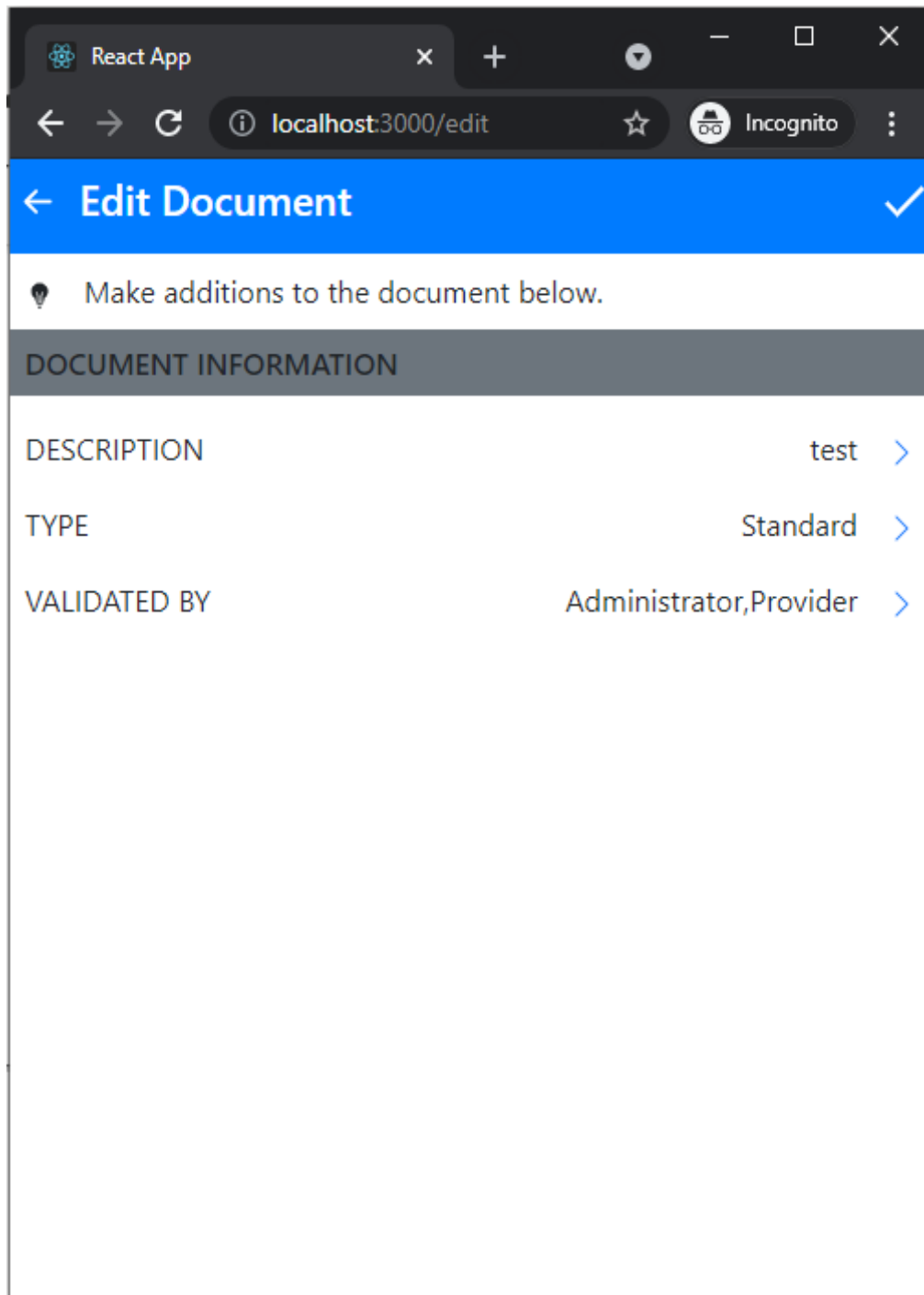
Document List Screen:



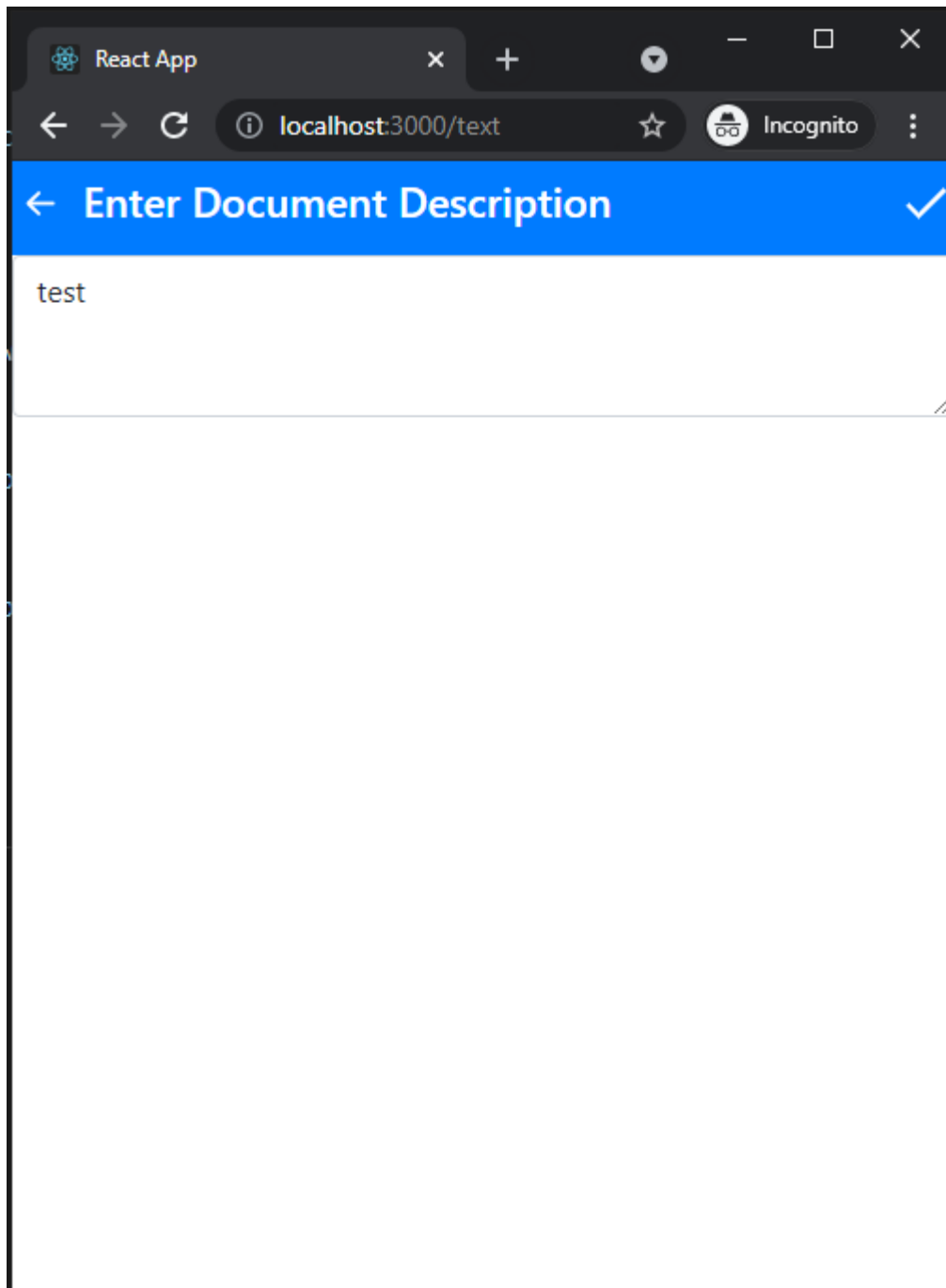
Document Menu Screen:



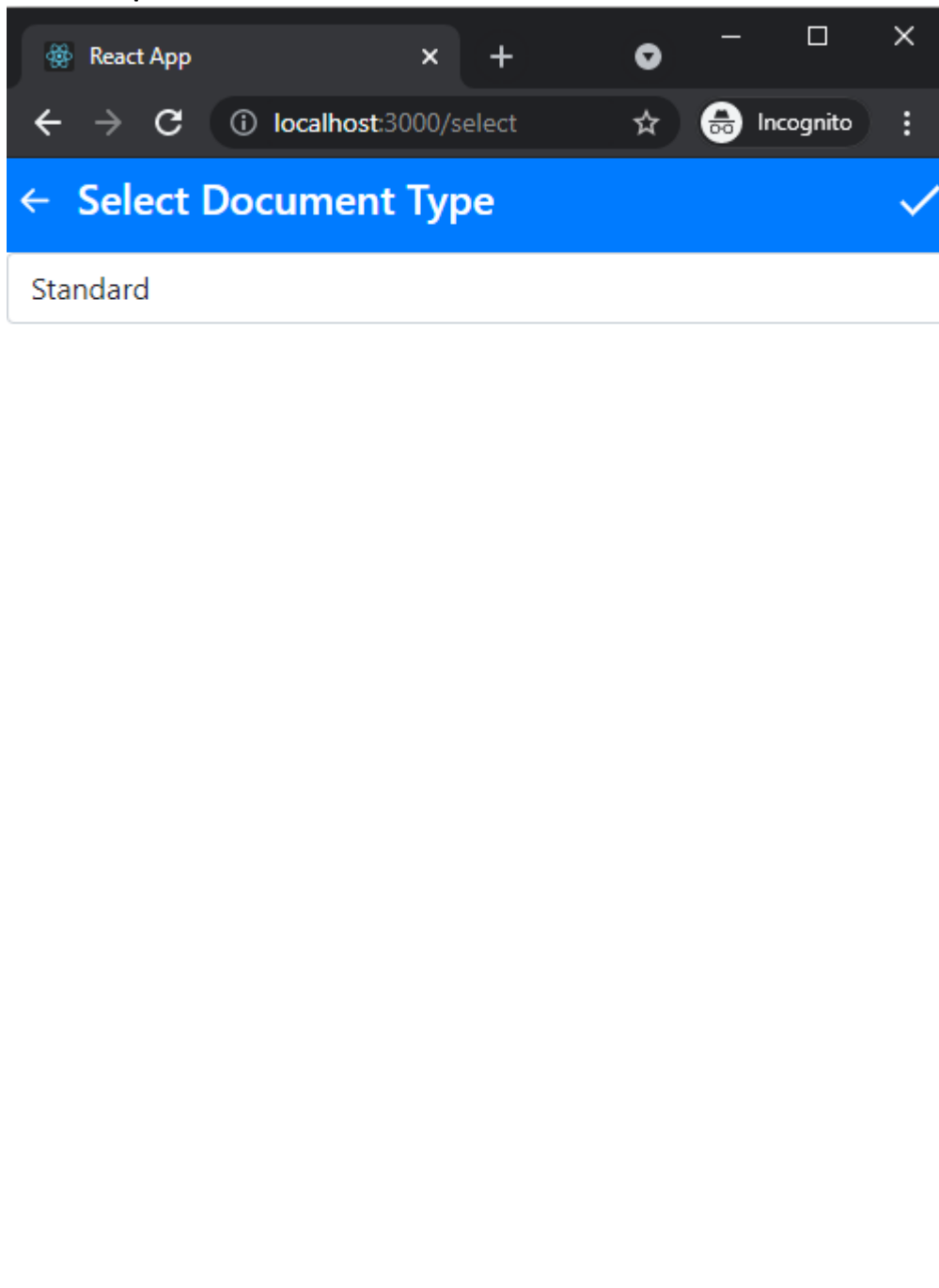
Edit Document Screen:



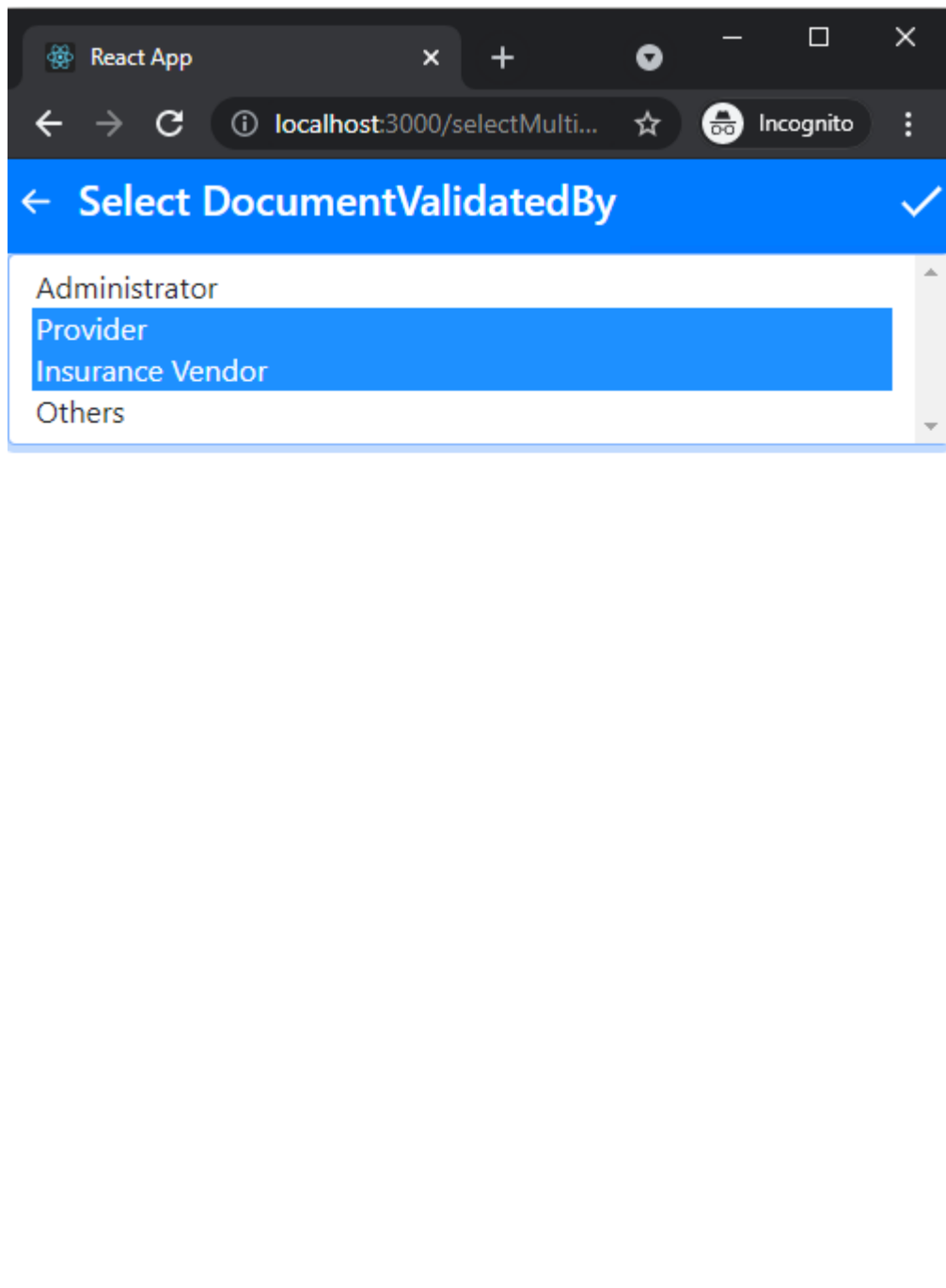
TextAreaComponent Screen:



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.

□