

1. Change extends in .eslintrc.cjs to add jest support.

```
extends: [  
  'eslint:recommended',  
  'react-app/jest',  
  'plugin:@typescript-eslint/recommended',  
  'plugin:react-hooks/recommended',  
],
```

2. npm install jest

3. npm install @babel/preset-env @babel/preset-react @babel/preset-typescript

4. Create .babelrc at the root of your project, with the following content:

```
{  
  "presets": [  
    "@babel/preset-env",  
    ["@babel/preset-react", { "runtime": "automatic" }],  
    "@babel/preset-typescript"  
  ]  
}
```

5. npm install @testing-library/react @testing-library/jest-dom

6. npm install jest-svg-transformer identity-obj-proxy

7. Add the jest config to package.json

```
,  
  "jest": {  
    "testEnvironment": "jsdom",  
    "moduleNameMapper": {  
      "^.+\\.svg$": "jest-svg-transformer",  
      "^.+\\.css|less|scss$": "identity-obj-proxy"  
    },  
    "setupFilesAfterEnv": [  
      "<rootDir>/setupTests.js"  
    ]  
  }  
}
```

8. npm install jest-environment-jsdom

9. Create a file named setupTests.js in the root of your project, containing the following:

```
import "@testing-library/jest-dom";
```

10. install support for snapshot testing

```
npm install react-test-renderer
```

12. Add a test script to package.json

```
"scripts": {  
  "dev": "vite",  
  "build": "tsc && vite build",  
  "lint": "eslint . --ext ts,tsx --report-unused-disable-directives --max-warnings  
0",  
  "preview": "vite preview",  
  "test": "jest --watchAll --coverage --no-cache"  
},
```

13. Add a file named App.test.tsx to your project with the following content:

```
import { render } from '@testing-library/react';  
import App from '../components/App';  
  
test('demo', () => {  
  expect(true).toBe(true);  
});  
  
test('Renders the main page', () => {  
  render(<App />);  
  expect(true).toBeTruthy();  
});  
  
test('renders as expected', () => {  
  const { container } = render(<App />);  
  expect(container).toMatchSnapshot();  
});
```

14. Enter npm test to try it out!