

Web Site End-to-End Tests

For implementing end-to-end tests in React applications, Mark Volkmann recommends using Cypress.

Normally this is installed by running "npm install -D cypress", but this does not work in the MasterCard environment. Instead the Cypress app can be downloaded from <https://www.cypress.io/>. Click the "Download now" link, download a platform-specific zip file, unzip it, and install the app.

The grp-consumer-web-ui repository contains an example Cypress test in design-b-tests/cypress/integration/app-test.ts.

Additional example Cypress tests provided by Cypress can be found in the cypress-examples directory.

To run Cypress tests:

1. Start the Cypress app.
2. Drag the top project directory onto the outlined drop zone or click "select manually" and select the top project directory.
3. Click the "Run all specs" button in the upper-right.
4. This will open a Chrome window and run the tests inside it.

Once the issue with installing Cypress using npm is resolved, we can run cypress tests from npm scripts in both browser-based and headless modes.

For the steps to do this, see <http://github.com/mvolkmann/react-cypress-demo> .