

# AUTOMATED TESTING

1. This test was done using the commands: NPM Install, NPM Run Build and NPM Start. The test rendered a build failure. Code passed on this test's second run.

```
✖ ▼Warning: React.jsx: type is invalid -- expected a string (for built-in components) or a class/function (for composite components) but got: object. You likely forgot to export your component from the file it's defined in, or you might have mixed up default and named imports. react-jsx-dev-runtime.development.js:117

Check your code at Main.js:21.
  at Main (http://localhost:3000/static/js/bundle.js:1771:76)
  at Routes (http://localhost:3000/static/js/bundle.js:257591:5)
  at Router (http://localhost:3000/static/js/bundle.js:257524:15)
  at BrowserRouter (http://localhost:3000/static/js/bundle.js:256334:5)
  at App
  at AuthContextProvider (http://localhost:3000/static/js/bundle.js:3514:5)
  at Provider (http://localhost:3000/static/js/bundle.js:253774:20)
printWarning @ react-jsx-dev-runtime.development.js:117
```

2. This test was done using the commands: NPM Install, NPM Run Build and NPM Start. The test rendered a build failure. Code passed on the test's fourth run.

```
✖ ▼Warning: Received `true` for a non-boolean attribute `exact`. react-dom.development.js:67

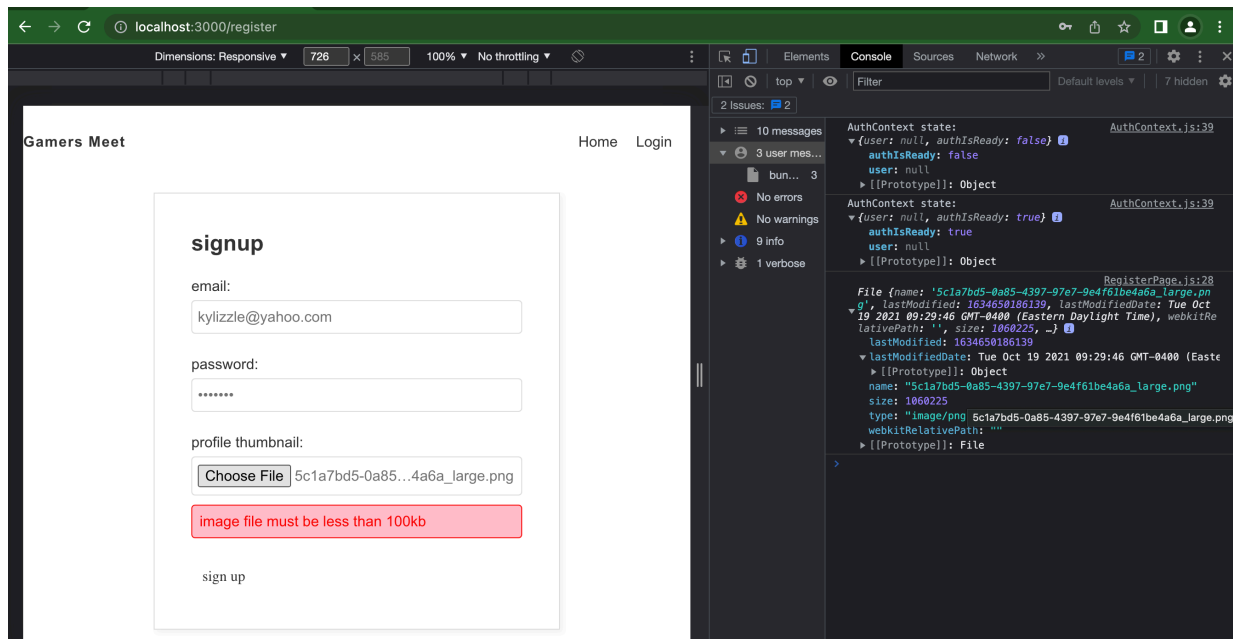
If you want to write it to the DOM, pass a string instead: exact="true" or exact={value.toString()}.
  at a
  at LinkWithRef (http://localhost:3000/static/js/bundle.js:256436:5)
  at NavLinkWithRef (http://localhost:3000/static/js/bundle.js:256482:21)
  at li
  at ul
  at nav
  at div
  at div
  at Sidebar (http://localhost:3000/static/js/bundle.js:2383:81)
  at Routes (http://localhost:3000/static/js/bundle.js:257591:5)
  at ProtectedRoute (http://localhost:3000/static/js/bundle.js:2627:98)
  at Main (http://localhost:3000/static/js/bundle.js:1771:76)
  at Routes (http://localhost:3000/static/js/bundle.js:257591:5)
  at Router (http://localhost:3000/static/js/bundle.js:257524:15)
  at BrowserRouter (http://localhost:3000/static/js/bundle.js:256334:5)
  at App
  at AuthContextProvider (http://localhost:3000/static/js/bundle.js:3514:5)
  at Provider (http://localhost:3000/static/js/bundle.js:253774:20)
printWarning @ react-dom.development.js:67
```

## UNIT TESTING:

3. This test was done using the `console.log()` method to ensure that the statements expected would be printed in the web console.



4. This test was done by purposely passing an error through the register form. Only blob or file types are allowed and they must be base64, base64url, or data\_url.



5. This test is extremely useful for reproducing a detailed stack trace. Since we implemented React Redux in our code it's important to know how the states, reducers, and actions are behaving from start to finish with store.

```
TraceKit.report.subscribe(function yourLogger(errorReport) {
  //send via ajax to server, or use console.error in development
  //to get you started see: https://gist.github.com/4491219
});

try {
  /*
   * your application code here
   */
  throw new Error('oops');
} catch (e) {
  TraceKit.report(e); //error with stack trace gets normalized and sent to subscriber
}
```

## DEBUGGING:

Even though this is not a test, it is noteworthy to include because this process sometimes (In my case, many times) occurred following a testing process.

6. This error wasn't expected, so this then triggered a period of debugging until this error was gone. In image below show the further steps taken in an attempt to resolve the error.

