



College of Engineering, Construction and Living Sciences  
Bachelor of Information Technology  
IN608: Intermediate Application Development Concepts  
Level 6, Credits 15  
**Practical 22 React 7: Automation Testing**

**Due Date:** 23-06-2021 at 5pm

In this **self-directed** practical, you will complete a series of tasks covering today's lecture. This practical is worth 1% of the final mark for the IN608: Intermediate Application Development Concepts course.

Before you start, in your practicals repository, create a new branch called **22-practical**.

## Task

Please use the completed practical from **Practical 21 React 6: Forms**. In the **frontend** directory, create a file called **App.test.js**. You are going to use **Cypress.IO** & the resources to test the following:

- Form interactions
  - Create a new **Todo** item
  - Delete a **Todo** item
  - Update a **Todo** item
  - Resource: [https://github.com/cypress-io/cypress-example-recipes/tree/master/examples/blogs\\_\\_e2e-api-testing](https://github.com/cypress-io/cypress-example-recipes/tree/master/examples/blogs__e2e-api-testing)
- API Testing
  - GET `/api/todos/` returns status code 200
  - GET `/api/todos/<ITEM_ID>/` returns status code 200
  - Resource: [https://github.com/cypress-io/cypress-example-recipes/tree/master/examples/testing-dom\\_\\_form-interactions](https://github.com/cypress-io/cypress-example-recipes/tree/master/examples/testing-dom__form-interactions)

To use **Cypress.IO**, you must install the following package:

```
npm i cypress
```

**Note:** Make sure you have your **backend Django** application running in the background. Remember, this is contains all your endpoints in which **Cypress.IO** needs to access.

## Resources

- [Cypress.IO npm](#)
- Cypress.IO resources:
  - [Cypress.IO Recipes](#)
  - [Cypress.IO Tutorial Videos](#)