

Unit Testing

We used unit testing to test our React Native components, specifically Jest. We tried other testing languages and methods, such as Detox and Cypress, but we found Jest was the simplest to use for our project

Complications

We started writing our test scripts quite late into the development process, so we didn't have a lot of time to write all the unit tests we would've liked to. None of us had ever written test scripts before, so we had trouble learning it, and working around mocking some of the libraries we used in the time we had.

Outputs

```
Snapshot Summary
  > 2 snapshots obsolete from 1 test suite.
    ↳ __tests__/login.test.js
      • <Login /> renders correctly 1
      • snapshot 1

Test Suites: 2 failed, 7 passed, 9 total
Tests:       3 failed, 32 passed, 35 total
Snapshots:   2 obsolete, 0 total
Time:        5.298 s
```

As you can see from the tests results, 3 of the tests fail. 2 of the failed tests are in the signup test file, as there were troubles mocking the DatePicker library we used, so some of the further tests failed. The other test that failed is because we couldn't figure out how to render the Profile page test file, but it does render in the actual application. Other than that, a lot of the tests are checking that our components render properly, the rest of them test that input fields and submit buttons behave as they should.