

## Midterm Project: Basic Calculator

Due Date: Sunday, April 11th, 2020 at 11:59 PM

Objectives: Practice keeping track of state and passing data around to child components as props, as well as lifting state up and handling key events.

### Specifications/Requirements:

1. In this exercise you need to complete the definitions of 3 components:
  - `KeyPad.js`
  - `Result.js`
  - `App.js`
2. The `KeyPad` component should display the UI containing all the keys and inputs the user will need to interact with. This is where you should be adding an onClick elements to interact with your App.js handler.
3. The `Result` component should display the UI displaying the entered values, actions and result of a calculation. This should contain mostly the contents of your state from App.js (hint: props).
4. All the logic and state should be maintained inside of the `App` component. This is where you will have to write a handler and have it react when certain buttons are clicked.
5. node\_modules may not be in your project so be sure to run "npm install" in your command line before running the app itself (make sure you cd into the directory first).

### Note:

- A video will be posted describing which test cases will be graded and which will not, please watch it!
- All the necessary styles have been defined for you. You may not create any additional files other than the ones we provide you with.
- You may ask for help from instructors and TAs, but make sure code is not shared. You may also ask for help from friends and classmates, but we will be checking to make sure code is not copied more strictly than before.