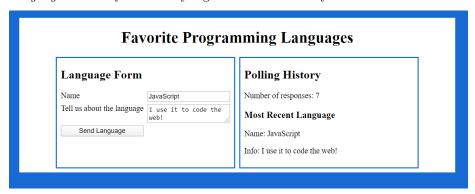
Question 2 Programming Languages (20 pts)

You are starting work on a React based App for an online poll of programming *Languages*. The layout and styling has been done for you. As shown below:



You are provided with the following files:

- An index.html file. This cannot be modified.
- An index.js file containing the main React App. This shows the *Language* poll history on the right side of the App page. You are **only allowed to** modify this file in *two* locations as indicated in coments in the file.
- A question2.css CSS file that contains all the CSS for the site. This cannot be modified.

Your will create/modify two files:

- A new file for the React component you are asked to create
- An updated index.js React App, where only limited changes are allowed as specified in the comments in the file.

These files must implement the functionality described below.

(a) Create Files and Empty Language Component (5 pts)

Get your Parcel. is build working by:

- Creating the new Javascript file to hold the Language component
- Creating the appropriately name React *class* Language component in that file.
- Exporting the component in the appropriate way so that the index.js file can import it.

At this point you should have a clean build as shown in the screen shot below.

```
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$ parcel index.html

Server running at http://localhost:1234

√ Built in 1.40s.
```

(b) Component Mockup (5 pts)

You will now give the *Language* component, shown on the left side of the top figure, the following functionality:

- It returns a <div> element containing the following
- An <h2> element containing the form title
- A <div id="LanguageForm"> element that will hold labels, text area, inputs, and button. This will receive grid styling from the style sheet (do not change or add styling).
- An input element for the *name* of the Language
- A text area for language info
- A Send Language button

Note: Your component does not need to update the input, text area, or respond to button click, at this point, to receive these points.

(c) State and Event Handling (5 pts)

You will now give the *Language* component, shown on the left side of the top figure, the following additional functionality:

- Changes to the input and the text area update the component state.
- On the click of *Send Language* button you will log the components state to the developers console.

(d) Update Parent Components languages Array (5 pts)

- On the click of Send Language button in addition to what you did in part
 (c) you need to add this language to the list of languages kept by the
 App in the index.js file.
- You are allowed to modify the index. is in two places to help you do this.