**React**

React is a declarative, efficient, and flexible JavaScript library for building user interfaces. It lets you compose complex UIs from small and isolated pieces of code called “components”.

**Features**

1. Get data from the API (http://locahost:5000/language) and display data in the form of a table.
2. Should be able to Add New Language.
3. Should be able to Create a Duplicate Set for Existing Language.

**Components**

A Component in React is a JavaScript class or function that optionally accepts inputs i.e. properties (props) and returns a React element that describes how a section of the UI (User Interface) should appear.

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**Docker Configuration**

The React application has a dependency on npm. So to run the docker commands npm should be installed and proxy configuration should be set.

1. The Docker file can be found in the AutovoiceUI folder.

**Navigate to the AutovoiceUI folder i,e; Cd \*\*/\*\*/AutovoiceUI**

1. Run **npm install.**

This will create a folder called **node\_modules** which will have all the dependencies the react application has.

1. To Create a Docker image run the below command.

**docker build -t autovoiceui --build-arg http\_proxy=http://apac.zscaler.philips.com:9480 --build-arg https\_proxy=http://apac.zscaler.philips.com:9480 .**

**.** in the docker build command specifies the current folder (AutovoiceUI).Docker will search for the docker file and builds it.

1. To Create a Docker container run the below command.

**docker run –e REACT\_APP\_API\_KEY=http://localhost:5000/ --name avc –p 8080:9000 autovoiceui:latest**

1. Open Browser and enter <http://localhost:8080>.

**React Js Tutorial:**

Here is the link to react js tutorial <https://reactjs.org/tutorial/tutorial.html>.