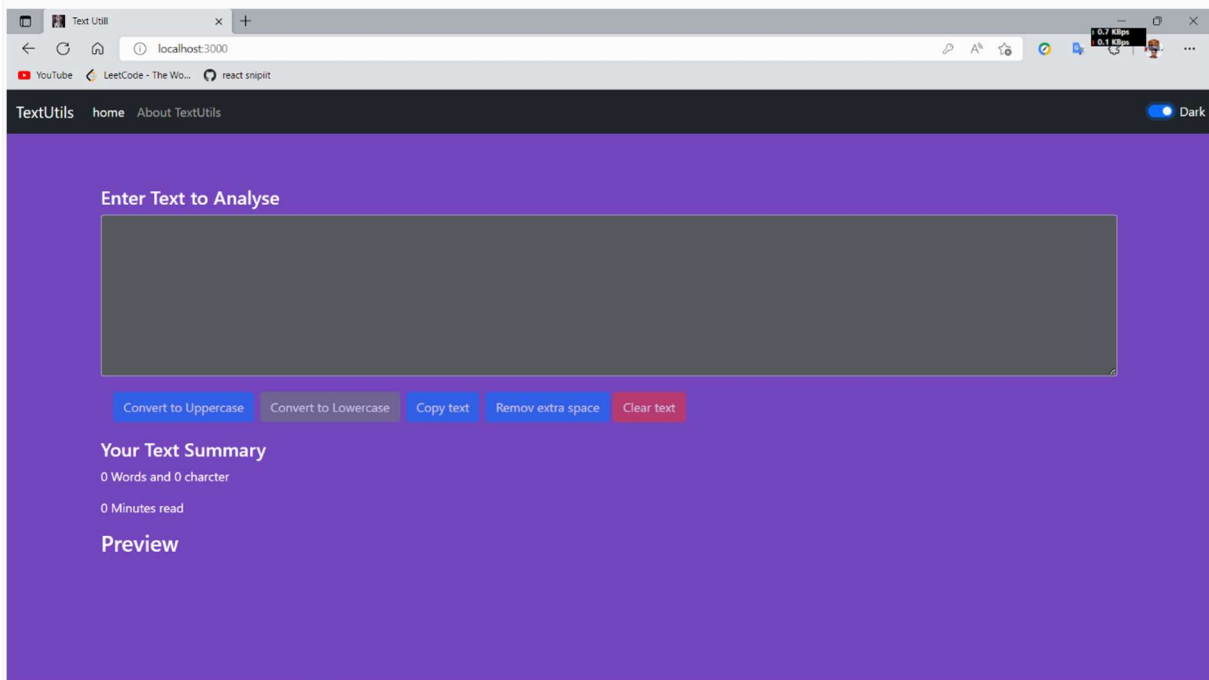


Text Analyser

This is very basic level project in ReactJS which having functionality to change lowercase character to uppercase character ,uppercase to lowercase ,formatting the word , calculate reading time, and such similar type of functionality having in this app



Tech Stack

Bootstrap ,React JS

Run Locally

Clone the project

```
git clone https://github.com/jagdish4501/Text_analyser.git
```

Go to the project directory

```
cd text_analyser
```

Install dependencies

```
npm install
```

Start the server

```
npm run start
```

Roadmap How to I Create React App

```
npx create-react-app my-app
```

```
cd my-app
```

```
npm start
```

Lessons From This Project

during this project i am learn that how single page application working and become aware of react js

what is Function and Class Components

This function is a valid React component because it accepts a single "props" (which stands for properties) object argument with data and returns a React element. We call such components "function components" because they are literally JavaScript functions.

```
function Welcome(props) {  
  return <h1>Hello, {props.name}</h1>;  
}
```

OR

```
const Welcome = (props)=> {  
  return <h1>Hello, {props.name}</h1>;  
}
```

How React Rendering a Component

Previously, we only encountered React elements that represent DOM tags: like

```
const element = <div />;
```

However, elements can also represent user-defined components: like

```
const element = <Welcome name="Sara" />;
```

And Now this user-defined-component are rendered on screen by using this function

```
ReactDOM.render(  
  <React.StrictMode>  
    <element />  
  </React.StrictMode>,  
  document.getElementById('root')  
)
```

****All React components must act like pure functions with respect to their props that is function must never modify its own props.**

React Router

Create React App doesn't include page routing. React Router is the most popular solution. we have to install

React Hooks

Why use state and not variables in React?

Why use state and not variables in React? The reason is if you use `useState` it rerenders the view. Variables by themselves only change bits in memory and the state of your app can get out of sync with the view.

Hooks allow function components to have access to state and other React features. Because of this, class components are generally no longer needed. eg. `useState`, `useEffect` etc

React Events

Just like HTML DOM events, React can perform actions based on user events. React has the same events as HTML: `click`, `change`, `mouseover` etc.