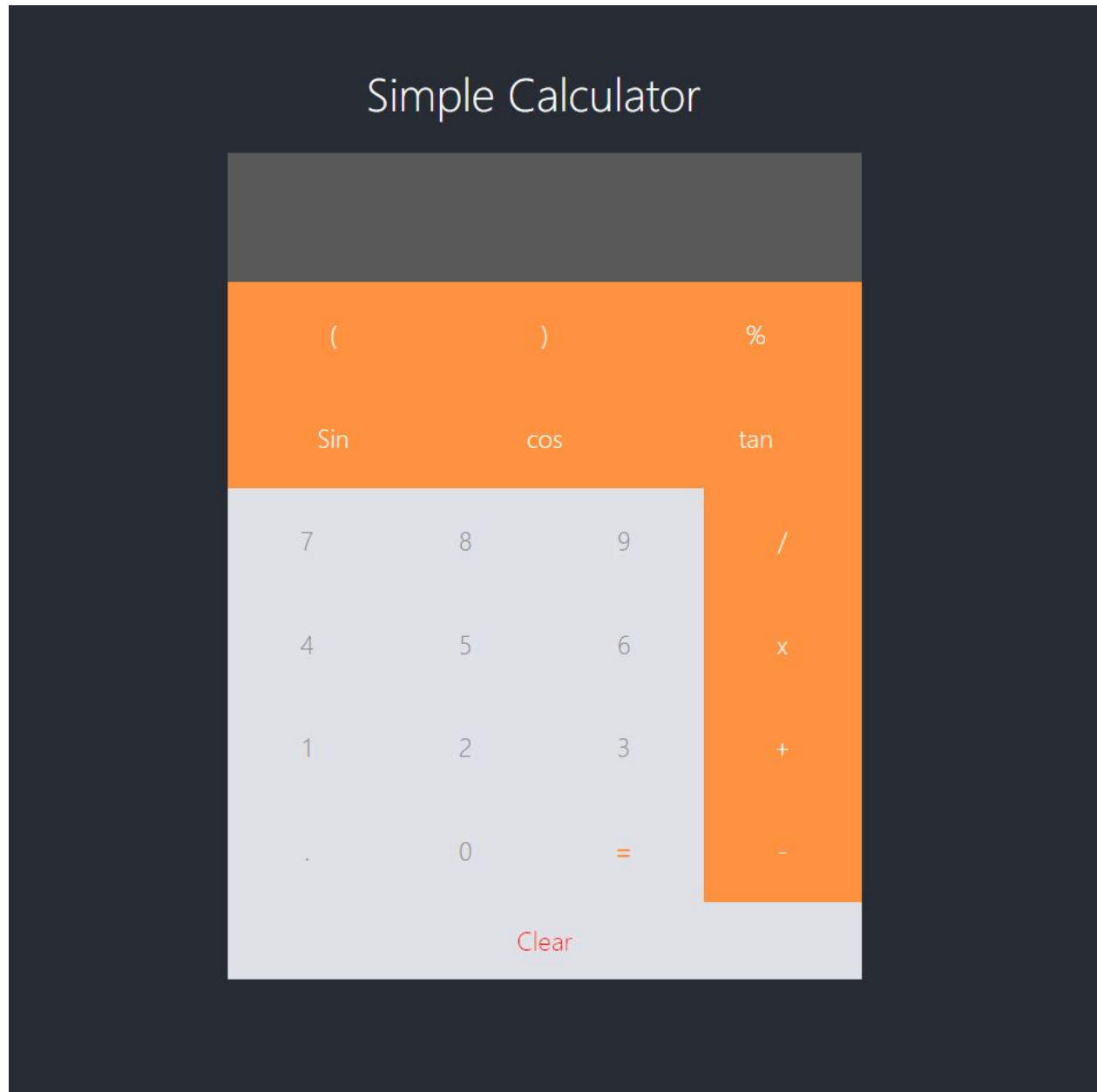**Design UI and build backend functionality for a calculator using React JS web application from scratch.**

UI Design:

Functions:

- Simple arithmetic calculations are calculated by parsing the expression as a string to function.
- Sin, Cos, Tan values are calculated using the mathjs library.

Button component:
```jsx
export const Button = props => (
    <div
        className={`button-wrapper
            ${isOperator(props.children) ? null : "operator"}
            ${isEqual(props.children) ? null : "eql"}`
        }
        onClick={() => props.handleClick(props.children)}
    >
        {props.children}
    </div>
);
```

Button handler:
```jsx
handleEqual = () => {
    this.setState({input: math.evaluate(this.state.input)})
}
```

Result screen component:
```jsx
export const Input = (props) => (
    <div className="input">{props.input}</div>
);
```