

DOCUMENTATION

ON

Web Based Writing Tool

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CHALLENGES FACED WHILE DEVELOPING THE PRODUCT:

- **Learned AntDesign**
- **Implementing Picture adding feature**
- **Inserting content and implement basic editors:** Explored TipTap Rich Editor.
- **Inserting cards at any position (above/below)**
- **Hovering and Focusing the Text content of card to show the basic tools**
- **Making the cards/blocks draggable:** Explored Framer Motion.

PRODUCT FEATURES THAT CAN BE INCLUDED AS NEXT STEPS:

- **Collaborative Editing**
- **Export and Import Options**
- **Customizable Themes and Styling**
- **Include backend/local storage to save the changes**
- **Spelling and Grammar Check**

CHATGPT/LLM PROMPTS USED TO WRITE THE CODE:

AB

You

template to create modal using ant design in react

ChatGPT

ChatGPT

Creating a modal using Ant Design in React involves a few steps. First, you'll need to install Ant Design and its dependencies if you haven't already. Then you can create a modal component and use it where needed. Below is a template to help you create a modal using Ant Design in React:

jsxCopy code

```
import React, { useState } from 'react';
import { Modal, Button } from 'antd';

const ModalComponent = ({ title, visible, onCancel }) => {
  const [showModal, setShowModal] = useState(false);
  const handleCancel = () => {
    setShowModal(false);
  };

  return (
    <div>
      <div type="primary" onClick={showModal}>Show Modal</div>
      <div>
        <div type="primary" onClick={handleCancel}>Cancel</div>
        <div type="primary" onClick={showModal}>Submit</div>
      </div>
    </div>
  );
};

export default ModalComponent;
```

In this template:

1. We import the necessary modules from Ant Design (**Modal**, **Button**).
2. We define a functional component called **ModalComponent**.
3. Inside the component, we define state using the **useState** hook to manage the visibility of the modal.
4. We define two functions **showModal** and **handleCancel** to control the visibility of the modal.
5. Inside the JSX, we use a **Button** component to trigger the modal, and the **Modal** component to display the modal content. We pass **visible** state to control the visibility of the modal, and **onCancel** to handle modal close event.
6. In the **Modal** component, we define a title, footer with OK and Cancel buttons, and the content of the modal.

You can use this **ModalComponent** in your React application by importing it and rendering it wherever needed.

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You

how to make cards draggable in react using framer motion

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ChatGPT

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To make cards draggable in React using Framer Motion, you can follow these steps:

1. Install Framer Motion if you haven't already:

bashCopy code

2. Create a draggable card component using Framer Motion.

Here's an example implementation:

```
jsxCopy code
```

```
import React from 'react' import { DragConstraints } from 'framer-motion' const DraggableCard = ({ children }) => {  
    return (

{children}

)  
} export default DraggableCard
```

In this code:

- We import `motion` from `framer-motion`.
- We create a `DraggableCard` component.
- Inside the component, we use the `motion.div` component provided by Framer Motion.
- We add the `drag` prop to make the card draggable.
- We specify `dragConstraints` to limit the dragging area. In this case, the card can be dragged within its parent element.
- We style the card with some basic styles.

You can use this `DraggableCard` component in your React application wherever you need draggable cards. Simply import it and render it as desired.

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You

insert picture using ant design

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To insert a picture using Ant Design in React, you can use the `Image` component provided by Ant Design. Below is an example of how to use the `Image` component:

First, make sure you have Ant Design installed in your project:

bashCopy code

Then, you can create a component and use the `Image` component like this:

jsxCopy code

```
import React from 'react' import Image from 'antd' const PictureComponent = () => {  
  return    
  width {200} src "https://via.placeholder.com/200" alt "Placeholder Image"  
}   
export default PictureComponent
```

In this example:

- We import the `Image` component from 'antd'.
- Inside the `PictureComponent` component, we render the `Image` component.
- We provide the `width` prop to specify the width of the image.
- We provide the `src` prop to specify the URL of the image.
- We provide the `alt` prop for the alternative text of the image.

You can replace the `src` prop value with the URL of the image you want to display. Additionally, you can customize the width, height, and other properties of the `Image` component as needed.

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You

insert element in any position of array in react js

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To insert an element at any position in an array in React.js, you can use the `splice()` method or the spread operator (`...`). Below are examples of both methods:

Using `splice()`:

javascriptCopy code

```
const array = [1, 2, 3, 4, 5];
array.splice(2, 0, 'new element');
```

Using spread operator (`...`):

javascriptCopy code

```
const array = [1, 2, 3, 4, 5];
const newArray = [...array, 'new element'];
```

Here's how you can use these methods in a React component:

jsxCopy code

```
import React, { useState } from 'react';
const MyComponent = () => {
  const [array, setArray] = useState([1, 2, 3, 4, 5]);
  const insertElement = (index, element) => {
    const newArray = [...array];
    newArray.splice(index, 0, element);
    setArray(newArray);
  };
  return (
    <div>
      <button onClick={insertElement}>Insert Element</button>
      <div>
        {array.map((item, index) => <span>{item}</span>)}
      </div>
    </div>
  );
};
export default MyComponent;
```

In this example:

- We have a component `MyComponent` that maintains an array state using `useState`.
- We define a function `insertElement` that takes an index and an element to be inserted.
- Inside `insertElement`, we create a shallow copy of the original array using the spread operator (`...`) and then use `splice()` to insert the element at the specified index.
- We update the state with the new array using `setArray`.
- We render a button that calls `insertElement` when clicked.
- We display the original and the updated arrays in the component.