

```
import React, { useState } from "react";
import { Button, Container, Row, Col } from 'react-bootstrap';
import 'bootstrap/dist/css/bootstrap.min.css';
import { contract } from "../connector";
```

```
function Home() {
  const [Id, setId] = useState("");
  const [Title, setTitle] = useState("");
  const [Author, setAuthor] = useState("");
  const [TranId, setTranId] = useState("");
  const [Owner, setOwner] = useState("");
  const [BookId, setBookId] = useState("");
  const [BookDet, setBookDet] = useState("");
  const [Wallet, setWallet] = useState("");
```

```
  const handleId = (e) => {
    setId(e.target.value)
  }
```

```
  const handleTitle = (e) => {
    setTitle(e.target.value)
  }
```

```
  const handleAuthor = (e) => {
    setAuthor(e.target.value)
```

```
}
```

```
const handleAddBook = async () => {  
  try {  
    let tx = await contract.addBook(Id.toString(), Title, Author)  
    let wait = await tx.wait()  
    alert(wait.transactionHash)  
  } catch (error) {  
    alert(error)  
  }  
}
```

```
const handleTid = (e) => {  
  setTranId(e.target.value)  
}
```

```
const handleNewOwner = (e) => {  
  setOwner(e.target.value)  
}
```

```
const handleTransfer = async () => {  
  try {  
    let tx = await contract.transferOwnership(TranId.toString(), Owner)  
    let wait = await tx.wait()  
    console.log(wait);  
    alert(wait.transactionHash)  
  } catch (error) {  
    alert(error)  
  }  
}
```

```
const handleBookId = (e) => {  
  setBookId(e.target.value)  
}
```

```
const handleBookDetails = async () => {  
  try {  
    let tx = await contract.getBookDetails(BookId.toString())  
    let arr = []  
    tx.map(e => arr.push(e))  
  
    setBookDet(arr)  
  } catch (error) {  
    alert(error)  
    console.log(error);  
  }  
}
```

```
const handleWallet = async () => {  
  if (!window.ethereum) {  
    return alert('please install metamask');  
  }  
}
```

```
const addr = await window.ethereum.request({  
  method: 'eth_requestAccounts',  
});  
  
setWallet(addr[0])  
  
}
```

```
return (
```

```
<div>
```

```
<h1 style={{ marginTop: "30px", marginBottom: "80px" }}>Book Details On Blockchain</h1>
```

```
{!Wallet ?
```

```
<Button onClick={handleWallet} style={{ marginTop: "30px", marginBottom: "50px" }}>Connect  
Wallet </Button>
```

```
:
```

```
<p style={{ width: "250px", height: "50px", margin: "auto", marginBottom: "50px", border: '2px  
solid #2096f3' }}>{Wallet.slice(0, 6)}....{Wallet.slice(-6)}</p>
```

```
}
```

```
<Container>
```

```
<Row>
```

```
<Col style={{marginRight:"100px"}}>
```

```
<div>
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleId} type="number"  
placeholder="Enter Registration number" value={Id} /> <br />
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleTitle} type="string"  
placeholder="Enter Book Title" value={Title} /> <br />
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleAuthor}  
type="string" placeholder="Enter Book Author" value={Author} /><br />
```

```
<Button onClick={handleAddBook} style={{ marginTop: "10px" }} variant="primary">Add  
book</Button>
```

```
</div>
```

```
</Col>
```

```
<Col>
```

```
<div>
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleTid}  
type="number" placeholder="Enter Registration Id" value={TranId} /> <br />
```

```
        <input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleNewOwner}
type="string" placeholder="Enter New owner metamask address" value={Owner} /><br />
```

```
        <Button onClick={handleTransfer} style={{ marginTop: "10px" }} variant="primary">Transfer
book ownership</Button>
```

```
    </div>
```

```
  </Col>
```

```
</Row>
```

```
<Row style={{marginTop:"100px"}}>
```

```
  <Col >
```

```
    <div style={{ margin:"auto" }}>
```

```
      <input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleBookId}
type="number" placeholder="Enter book Id" value={BookId} /><br />
```

```
      <Button onClick={handleBookDetails} style={{ marginTop: "10px" }} variant="primary">Get
Identity Details</Button>
```

```
      {BookDet ? BookDet?.map(e => {
```

```
        return <p>{e.toString()}</p>
```

```
      }) : <p></p>}
```

```
    </div>
```

```
  </Col>
```

```
</Row>
```

```
</Container>
```

```
</div>
```

```
)
```

```
}
```