

```
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 [number, setNumber] = useState("");
  const [Premium, setPremium] = useState("");
  const [Coverage, setCoverage] = useState("");
  const [Expiration, setExpiration] = useState("");

  const [numbers, setNumbers] = useState("");
  const [Premiums, setPremiums] = useState("");
  const [Coverages, setCoverages] = useState("");
  const [Expirations, setExpirations] = useState("");
```

```
  const [gId, setGIds] = useState("");
  const [Details, setDetails] = useState("");
  const [Wallet, setWallet] = useState("");
```

```
  const handlePolicyNumber = (e) => {
    setNumber(e.target.value)
  }
```

```
  const handlePremium = (e) => {
    setPremium(e.target.value)
  }
```

```
  const handleCoverage = (e) => {
```

```
    setCoverage(e.target.value)
  }
```

```
const handleExp = (e) => {
  setExpiration(e.target.value)
}
```

```
const handleAddPolicy = async () => {
  try {
    let tx = await contract.addPolicy(number, Premium.toString(), Coverage.toString(),
Expiration.toString())
    let wait = await tx.wait()
    alert(wait.transactionHash)
    console.log(wait);
  } catch (error) {
    alert(error)
  }
}
```

```
const handlePolicyNumbers = (e) => {
  setNumbers(e.target.value)
}
```

```
const handlePremiums = (e) => {
  setPremiums(e.target.value)
```

```
}
```

```
const handleCoverages = (e) => {  
  setCoverages(e.target.value)  
}
```

```
const handleExps = (e) => {  
  setExpirations(e.target.value)  
}
```

```
const handleUpdate = async () => {  
  try {  
    let tx = await contract.updatePolicy(numbers, Premiums.toString(), Coverages.toString(),  
Expirations.toString())  
    let wait = await tx.wait()  
    console.log(wait);  
    alert(wait.transactionHash)  
  } catch (error) {  
    alert(error)  
  }  
}
```

```
const handleGetIds = async (e) => {  
  setGIds(e.target.value)  
}
```

```
const handleGetDetails = async () => {  
  try {  
    let tx = await contract.getPolicyDetails(gId.toString())
```

```

    let arr = []
    tx.map(e => {
      arr.push(e)
    })

    console.log(tx);
    setDetails(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" }}>Insurance policy 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={handlePolicyNumber}
type="string" placeholder="Policy number" value={number} /> <br />
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handlePremium}
type="number" placeholder="premium Amount" value={Premium} /> <br />
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleCoverage}
type="number" placeholder="Coverage Amount" value={Coverage} /> <br />
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleExp}
type="number" placeholder="Expiration Timestamp" value={Expiration} /> <br />
```

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

```
</div>
```

```
</Col>
```

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

```
<div>
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }}
onChange={handlePolicyNumbers} type="string" placeholder="Policy number" value={numbers} />
<br />
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handlePremiums}
type="number" placeholder="premium Amount" value={Premiums} /> <br />
```

```
<input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleCoverages}
type="number" placeholder="Coverage Amount" value={Coverages} /> <br />
```

```
      <input style={{ marginTop: "10px", borderRadius: "5px" }} onChange={handleExps}
type="number" placeholder="Expiration Timestamp" value={Expirations} /> <br />
```

```
      <Button onClick={handleUpdate} style={{ marginTop: "10px" }} variant="primary"> Update
Policy</Button>
```

```
    </div>
```

```
  </Col>
```

```
</Row>
```

```
<Row>
```

```
  <Col >
```

```
    <div style={{ margin: "auto" , marginTop:"100px"}}>
```

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

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

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

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

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

```
    </div>
```

```
  </Col>
```

```
</Row>
```

```
</Container>
```

```
</div>
```

```
)
```

```
}
```

```
export default Home;
```