NORDIC
<CODER>

React **ADVANCED**

TS TypeScript

#Trương Thành Tài

#Frontend Technical Lead ekino.

```
> npx truthtai
```

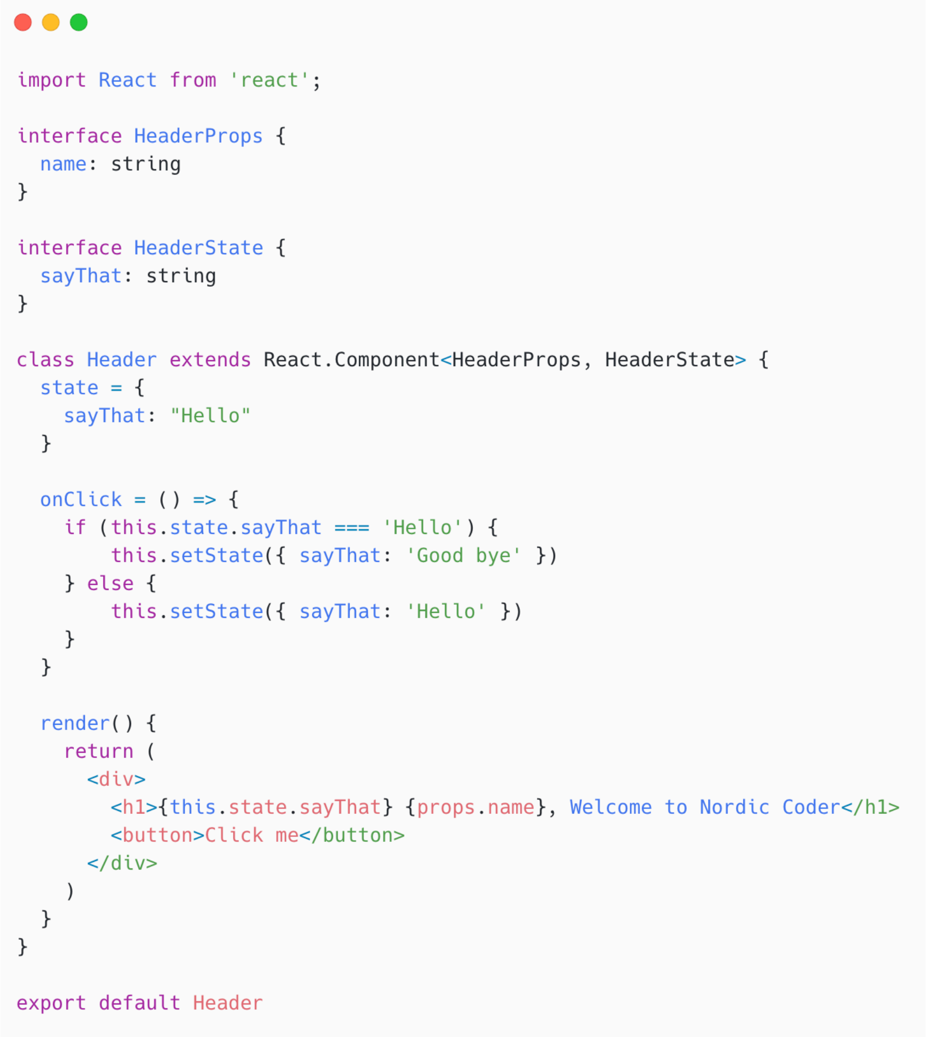
TYPESCRIPT & REACTJS

```
npx create-react-app <your-project-name> --template strangs
```

Storybook
TypeScript
ReactJS
Apollo
NextJS
GraphQL
StyledComponent

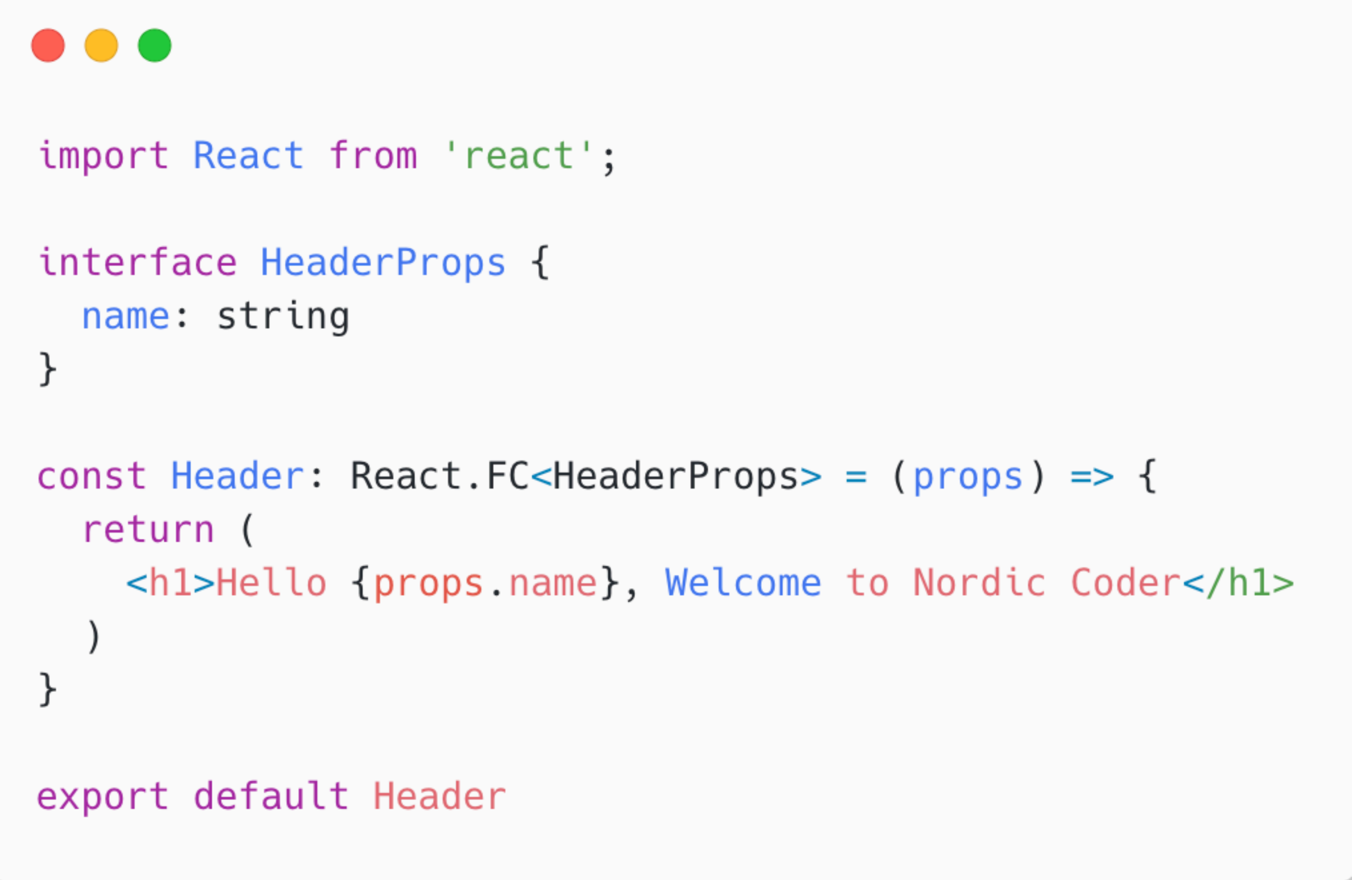
https://github.com/truthtaicom/STRANGS-template

TYPESCRIPT & REACTJS / CLASS COMPONENT



```tsx
import React from 'react';

interface HeaderProps {
  name: string
}

interface HeaderState {
  sayThat: string
}

class Header extends React.Component<HeaderProps, HeaderState> {
  state = {
    sayThat: "Hello"
  }

  onClick = () => {
    if (this.state.sayThat === 'Hello') {
        this.setState({ sayThat: 'Good bye' })
    } else {
        this.setState({ sayThat: 'Hello' })
    }
  }

  render() {
    return (
      <div>
        <h1>{this.state.sayThat} {props.name}, Welcome to Nordic Coder</h1>
        <button>Click me</button>
      </div>
    )
  }
}

export default Header
```

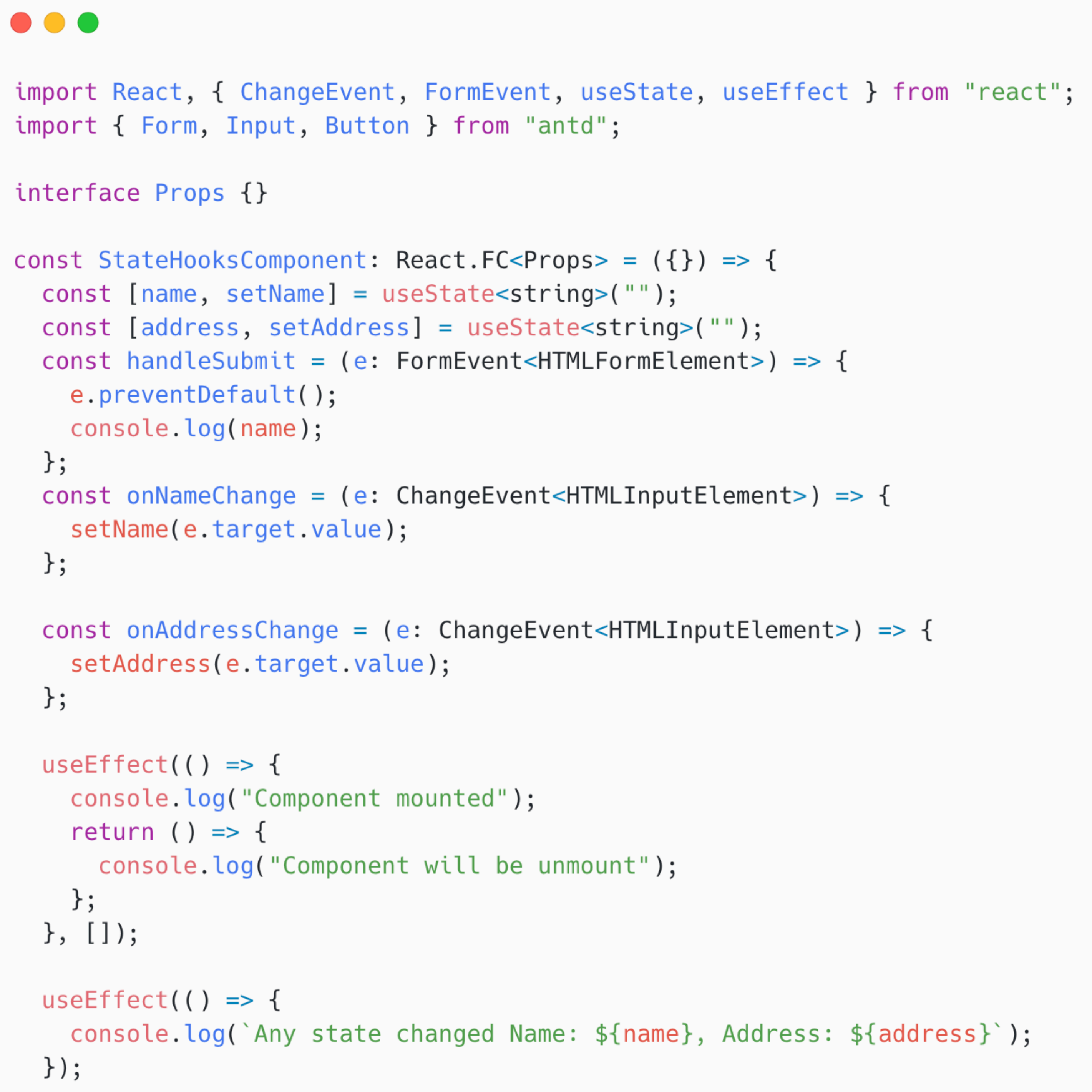
TYPESCRIPT & REACTJS / FUNCTION COMPONENT



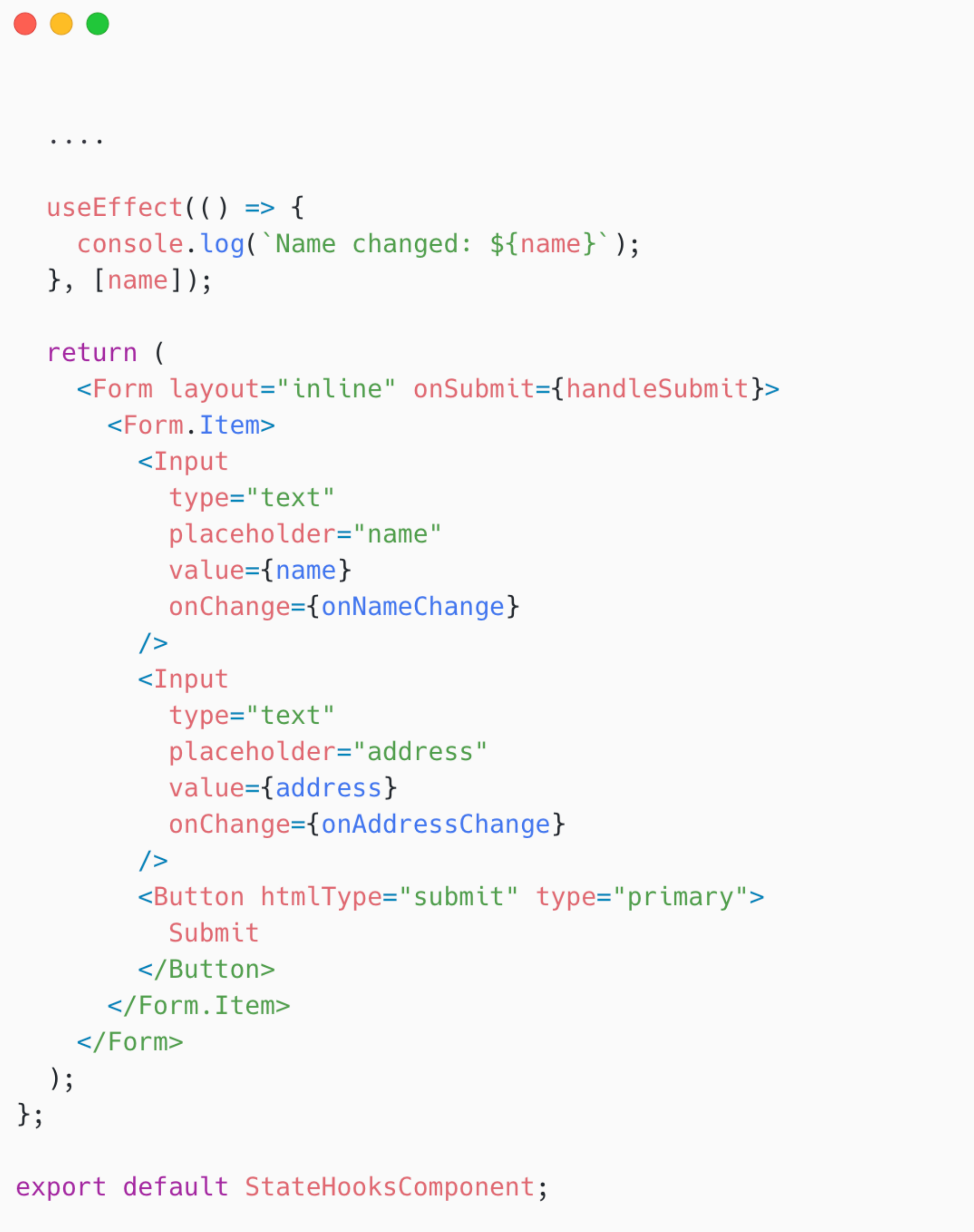
```
import React from 'react';

interface HeaderProps {
  name: string
}

const Header: React.FC<HeaderProps> = (props) => {
  return (
    <h1>Hello {props.name}, Welcome to Nordic Coder</h1>
  )
}

export default Header
```

TYPESCRIPT & REACTJS / HOOK

https://jsfiddle.net/k1g7xqrc/1/

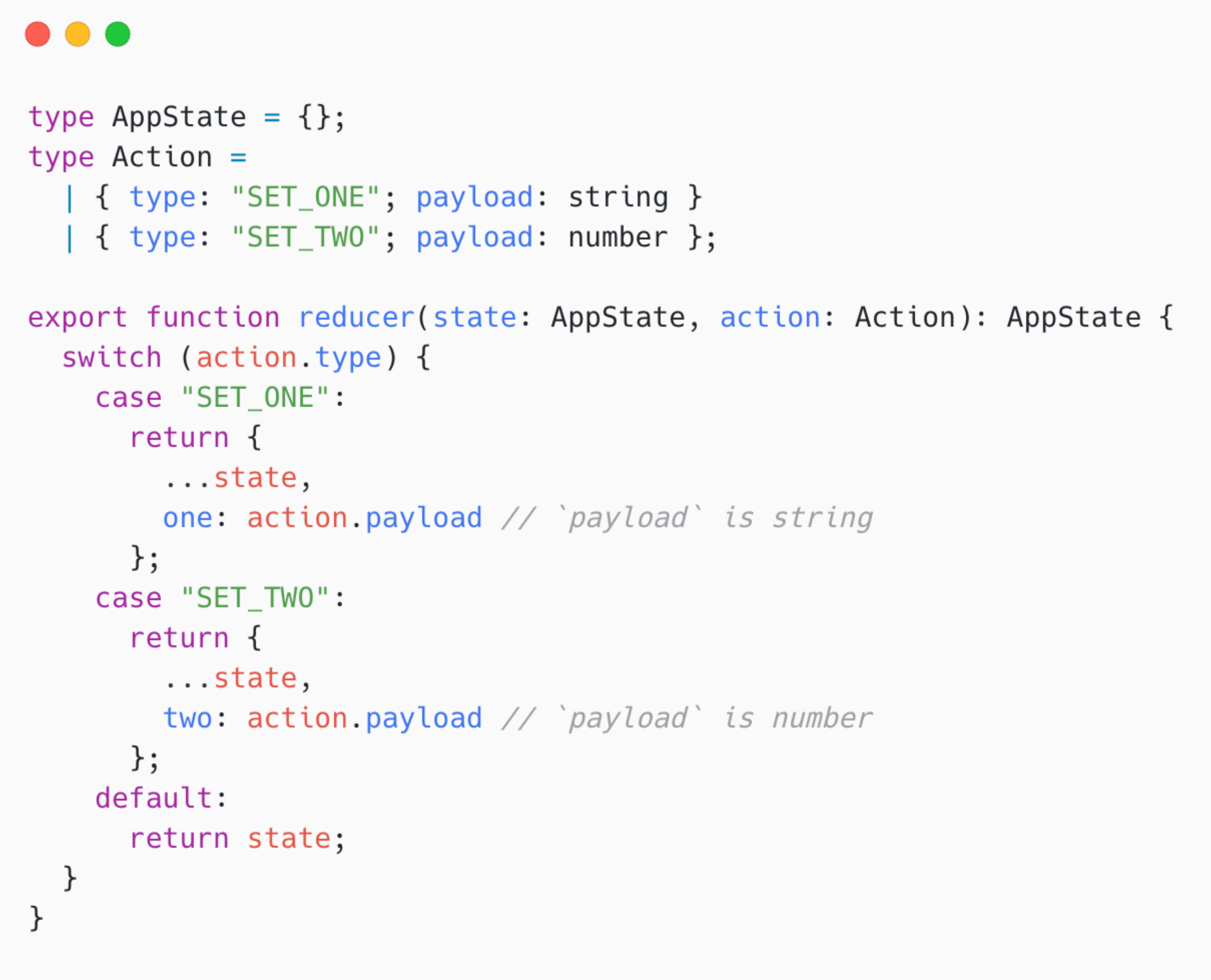


```
import React, { ChangeEvent, FormEvent, useState, useEffect } from "react";
import { Form, Input, Button } from "antd";

interface Props {}

const StateHooksComponent: React.FC<Props> = ({}) => {
  const [name, setName] = useState<string>("");
  const [address, setAddress] = useState<string>("");
  const handleSubmit = (e: FormEvent<HTMLFormElement>) => {
    e.preventDefault();
    console.log(name);
  };
  const onNameChange = (e: ChangeEvent<HTMLInputElement>) => {
    setName(e.target.value);
  };

  const onAddressChange = (e: ChangeEvent<HTMLInputElement>) => {
    setAddress(e.target.value);
  };

  useEffect(() => {
    console.log("Component mounted");
    return () => {
      console.log("Component will be unmount");
    };
  }, []);

  useEffect(() => {
    console.log(`Any state changed Name: ${name}, Address: ${address}`);
  });
```



```
  ....

  useEffect(() => {
    console.log(`Name changed: ${name}`);
  }, [name]);

  return (
    <Form layout="inline" onSubmit={handleSubmit}>
      <Form.Item>
        <Input
          type="text"
          placeholder="name"
          value={name}
          onChange={onNameChange}
        />
        <Input
          type="text"
          placeholder="address"
          value={address}
          onChange={onAddressChange}
        />
        <Button htmlType="submit" type="primary">
          Submit
        </Button>
      </Form.Item>
    </Form>
  );
};

export default StateHooksComponent;
```

TYPESCRIPT & REACTJS / REDUCER



```
type AppState = {};
type Action =
  | { type: "SET_ONE"; payload: string }
  | { type: "SET_TWO"; payload: number };

export function reducer(state: AppState, action: Action): AppState {
  switch (action.type) {
    case "SET_ONE":
      return {
        ...state,
        one: action.payload // `payload` is string
      };
    case "SET_TWO":
      return {
        ...state,
        two: action.payload // `payload` is number
      };
    default:
      return state;
  }
}
```

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React

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TYPESCRIPT & REACTJS / CHEATSHEET

https://github.com/truthtaicom/react-typescript-cheatsheet

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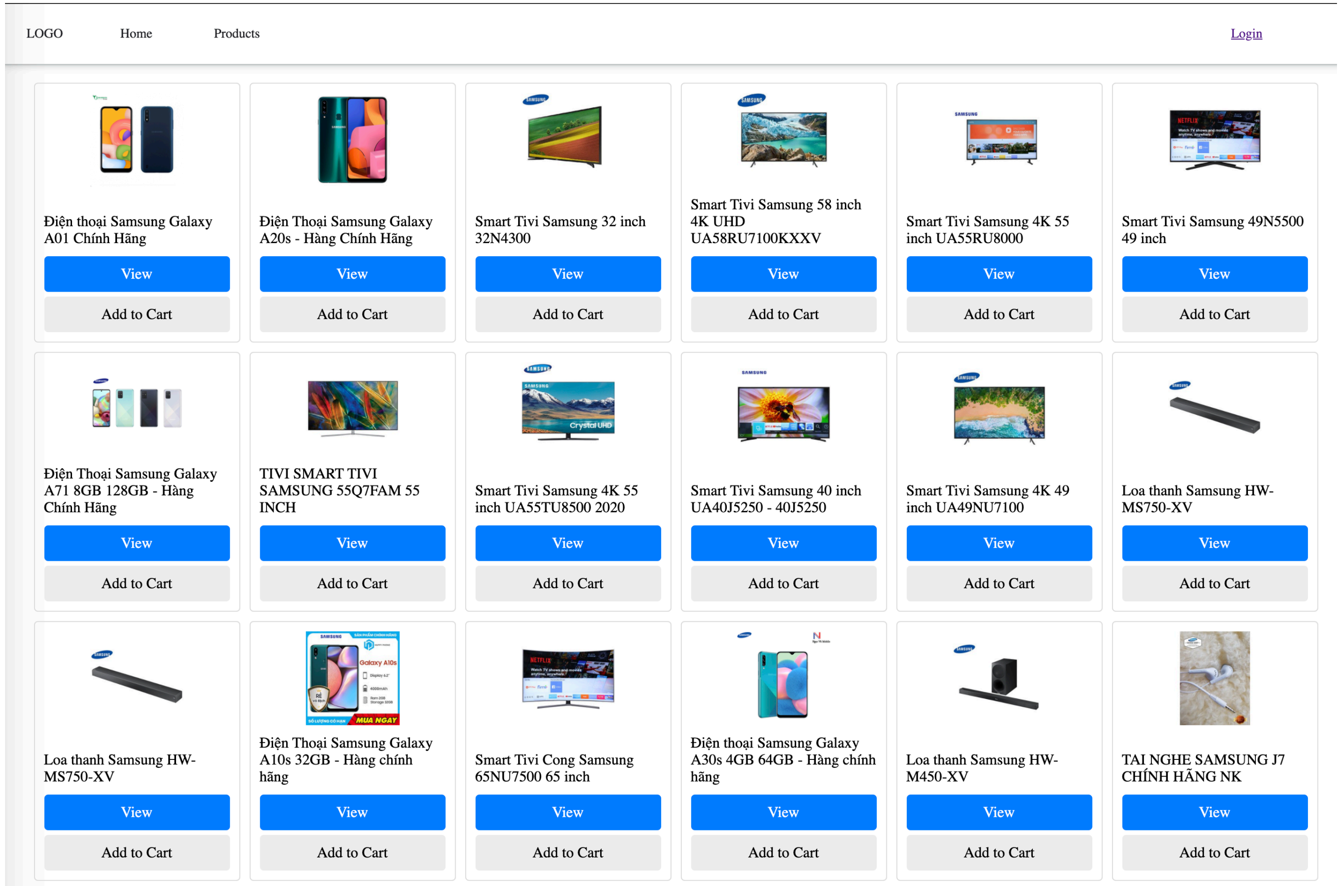
TYPESCRIPT & REACTJS / LAB

- Create a ReactJS App using TypeScript and React Hook

- Show list of products with API:

https://min-shop.herokuapp.com/rest/product

- Click "Add to Cart" button then it will be displayed product's ID via console.log



Điện thoại Samsung Galaxy A01 Chính Hãng

Điện Thoại Samsung Galaxy A20s - Hàng Chính Hãng

Smart Tivi Samsung 32 inch 32N4300

Smart Tivi Samsung 58 inch 4K UHD UA58RU7100KXXV

Smart Tivi Samsung 4K 55 inch UA55RU8000

Smart Tivi Samsung 49N5500 49 inch

Điện Thoại Samsung Galaxy A71 8GB 128GB - Hàng Chính Hãng

TIVI SMART TIVI SAMSUNG 55Q7FAM 55 INCH

Smart Tivi Samsung 4K 55 inch UA55TU8500 2020

Smart Tivi Samsung 40 inch UA40J5250 - 40J5250

Smart Tivi Samsung 4K 49 inch UA49NU7100

Loa thanh Samsung HW-MS750-XV

Loa thanh Samsung HW-MS750-XV

Điện Thoại Samsung Galaxy A10s 32GB - Hàng chính hãng

Smart Tivi Cong Samsung 65NU7500 65 inch

Điện thoại Samsung Galaxy A30s 4GB 64GB - Hàng chính hãng

Loa thanh Samsung HW-M450-XV

TAI NGHE SAMSUNG J7 CHÍNH HÃNG NK