

React 程序开发

--- React Advanced Guides



河北师范大学软件学院
Software College of Hebei Normal University

内容提纲

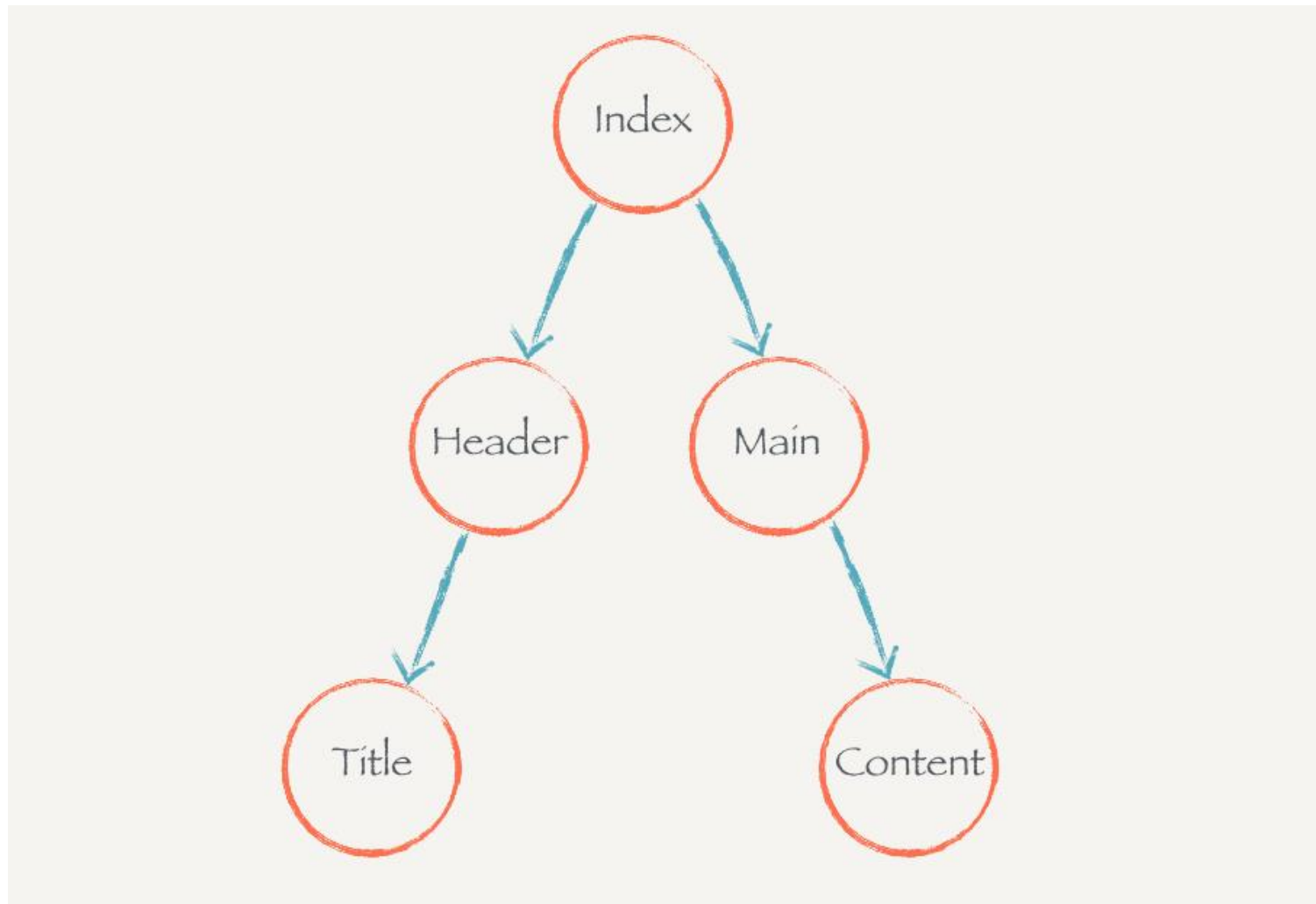
➤ **Context**

➤ **HOC**

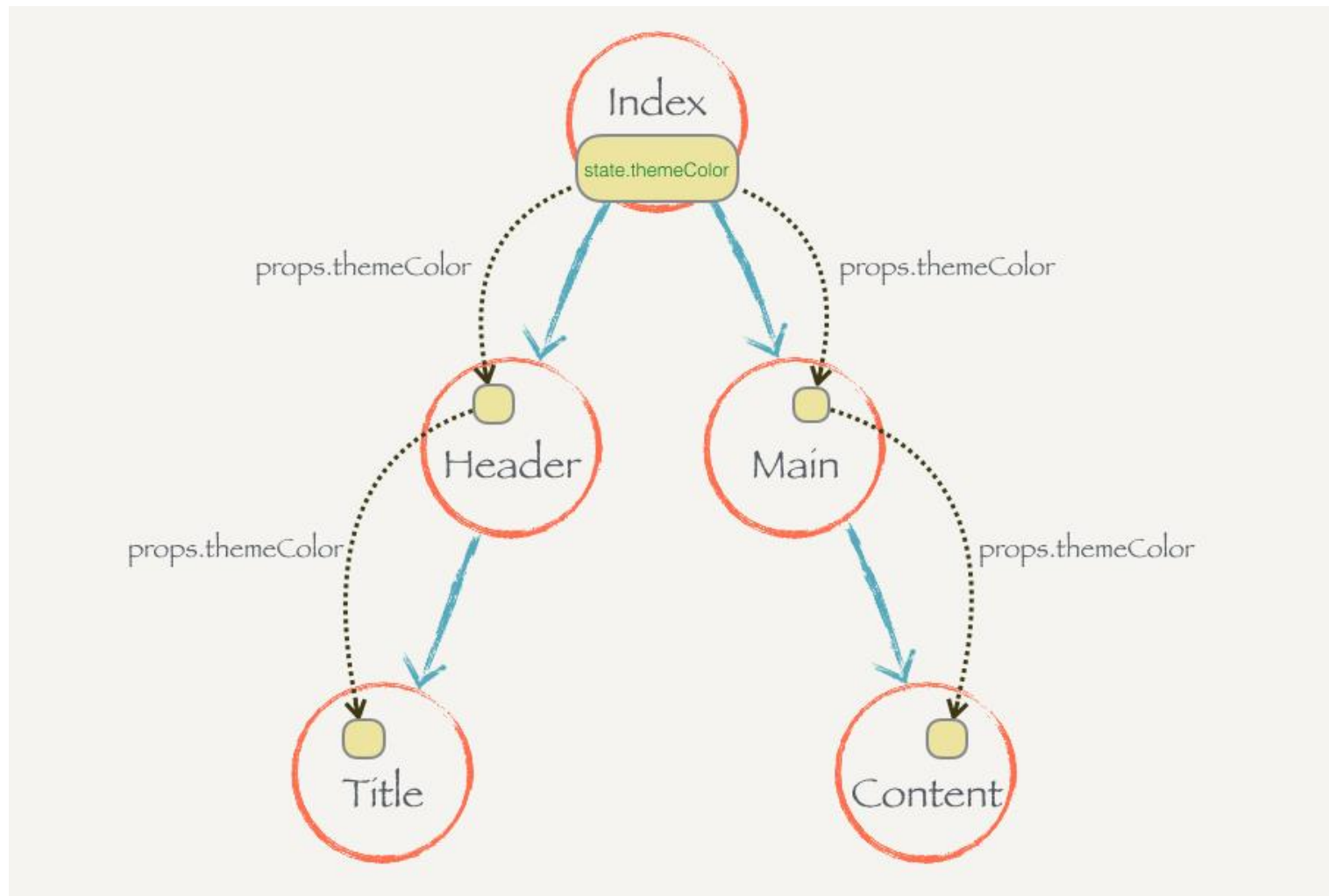
➤ **Portals**



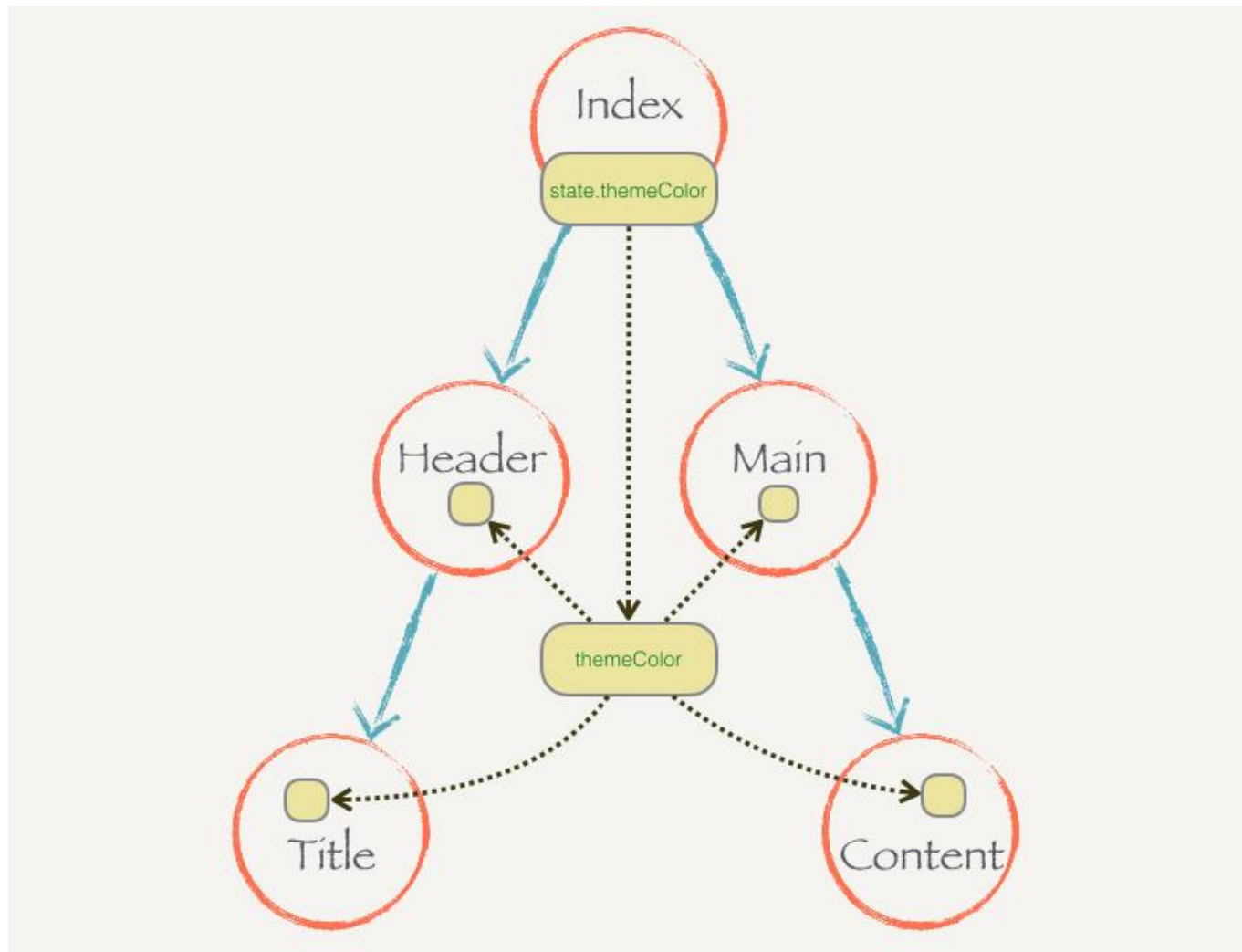
Context



Context



Context



Context

- Context

- Context 通过组件树提供了一个传递数据的方法，从而避免了在每一个层级手动的传递 props 属性
- API
 - React.createContext
 - Provider
 - Consumer

Context

```
const { Provider, Consumer } = React.createContext( defaultValue );
function Toolbar( props ) {
  return (
    <Consumer>
      { theme => <Button theme={ theme } />}
    </Consumer>
  );
}
class App extends Component {
  render( ) {
    return <Provider value="dark"> <Toolbar /> </Provider>;
  }
}
```

内容提纲

- **Context**
- **HOC**
- **Portals**



HOC

- HOC (高阶组件)

- 是 React 中的高级技术，用来重用组件逻辑
- 高阶组件就是一个函数，且该函数接受一个组件作为参数，并返回一个新的组件
- 注意事项：
 - 不要修改原始组件，使用组合方式
 - 传递不相关props属性给被包裹的组件
 - 包装显示名字以便于调试

内容提纲

- Context
- HOC
- Portals



Portals

- Portals

- Portals 提供了一种将子节点渲染到父组件以外的 DOM 节点的方式

```
ReactDOM.createPortal(child, container)
.....
render()
  return ReactDOM.createPortal(
    this.props.children,
    domNode,
  );
}
```

The background of the slide is decorated with various abstract shapes in shades of green and yellow. These shapes, which include circles, ovals, and irregular blobs, are scattered across the top and right sides of the slide, creating a modern and organic feel.

Thank You