React src

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App.js

import React, { Component } from 'react';
import TOC from "./components/TOC";
import ReadContent from "./components/ReadContent"
import CreateContent from "./components/CreateContent"
import UpdateContent from "./components/UpdateContent"
import Subject from "./components/Subject"
import Control from "./components/Control"
import './App.css';
class App extends Component {
  constructor(props){
    super(props);
    this.max_content_id = 3;
    this.state = {
      mode:'welcome',
      selected_content_id:2,
      subject:{title:'WEB', sub:'World Wide Web!'},
      welcome:{title:'Welcome', desc:'Hello, React!!'},
      contents:[
        {id:1, title:'HTML', desc:'HTML is for information'},
        {id:2, title:'CSS', desc:'CSS is for design'},
        {id:3, title:'JavaScript', desc:'JavaScript is for interactive'}
      ]
    }
  }
  getReadContent(){
    var i = 0;
      while(i < this.state.contents.length){
        var data = this.state.contents[i];
        if(data.id === this.state.selected_content_id) {
          return data;
          break;
        }
        i = i + 1;
      }
  }
  getContent(){
    var _title, _desc, _article = null;
    if(this.state.mode ===  'welcome'){
      _title = this.state.welcome.title;
      _desc = this.state.welcome.desc;
      _article = <ReadContent title={_title} desc={_desc}></ReadContent>
    } else if(this.state.mode === 'read'){
      var _content = this.getReadContent();
      _article = <ReadContent title={_content.title} desc={_content.desc}></ReadContent>
    } else  if(this.state.mode === 'create'){
      _article = <CreateContent onSubmit={function(_title, _desc){
        this.max_content_id = this.max_content_id+1;
        var _contents = Array.from(this.state.contents);
        _contents.push({id:this.max_content_id, title:_title, desc:_desc});
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          this.setState({
            contents:_contents,
            mode:'read',
            selected_content_id:this.max_content_id
          });
        }.bind(this)}></CreateContent>
      } else  if(this.state.mode === 'update'){
        _content = this.getReadContent();
        _article = <UpdateContent data={_content} onSubmit={
          function(_id, _title, _desc){
            var _contents = Array.from(this.state.contents);
            var i = 0;
            while(i < _contents.length){
              if(_contents[i].id === _id) {
                _contents[i] = {id:_id, title:_title, desc:_desc};
                break;
              }
              i = i + 1;
            }
            this.setState({
              contents:_contents,
              mode:'read'
            });
          }.bind(this)}></UpdateContent>
      }
      return _article;
    }
    render() {
      console.log('App render');
      return (
        <div className="App">
          <Subject
            title={this.state.subject.title}
            sub={this.state.subject.sub}
            onChangePage={function(){
              this.setState({mode:'welcome'});
            }.bind(this)}
          >
          </Subject>
          <TOC
            onChangePage={function(id){
              this.setState({
                mode:'read',
                selected_content_id:Number(id)
              });
            }.bind(this)}
            data={this.state.contents}
          ></TOC>
          <Control onChangeMode={function(_mode){
            if(_mode === 'delete'){
              if(window.confirm('really?')){
                var _contents = Array.from(this.state.contents);
                var i = 0;
                while(i<_contents.length){
                  if(_contents[i].id === this.state.selected_content_id){
                    _contents.splice(i,1);
                    break;
                  }
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                i = i+1;
              }
            this.setState({
              mode:'welcome',
              contents:_contents
            });
          }
        } else {

          this.setState({
            mode:_mode
          });
        }
        if(_mode === 'delete'){
          if(window.confirm('really?')){
            var _contents = Array.from(this.state.contents);
            var i = 0;
            while(i < _contents.length){
              if(_contents[i].id === this.state.selected_content_id){
                _contents.splice(i,1);
                break;
              }
              i = i + 1;
            }
            this.setState({
              mode:'welcome',
              contents:_contents
            });
            alert('deleted!');
          }
        } else {
          this.setState({
            mode:_mode
          });
        }

      }.bind(this)}></Control>
      {this.getContent()}
    </div>
  );
  }
}
export default App;
```