

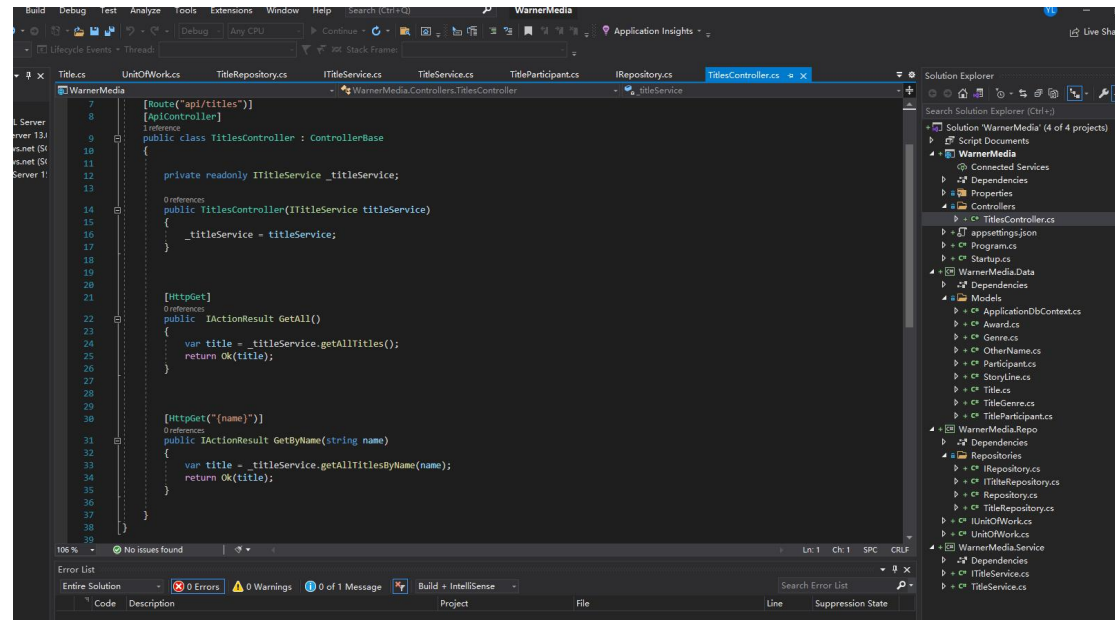
Setup explanation:

1. for database I add one more column for title table, poster, store the image link for UI use.

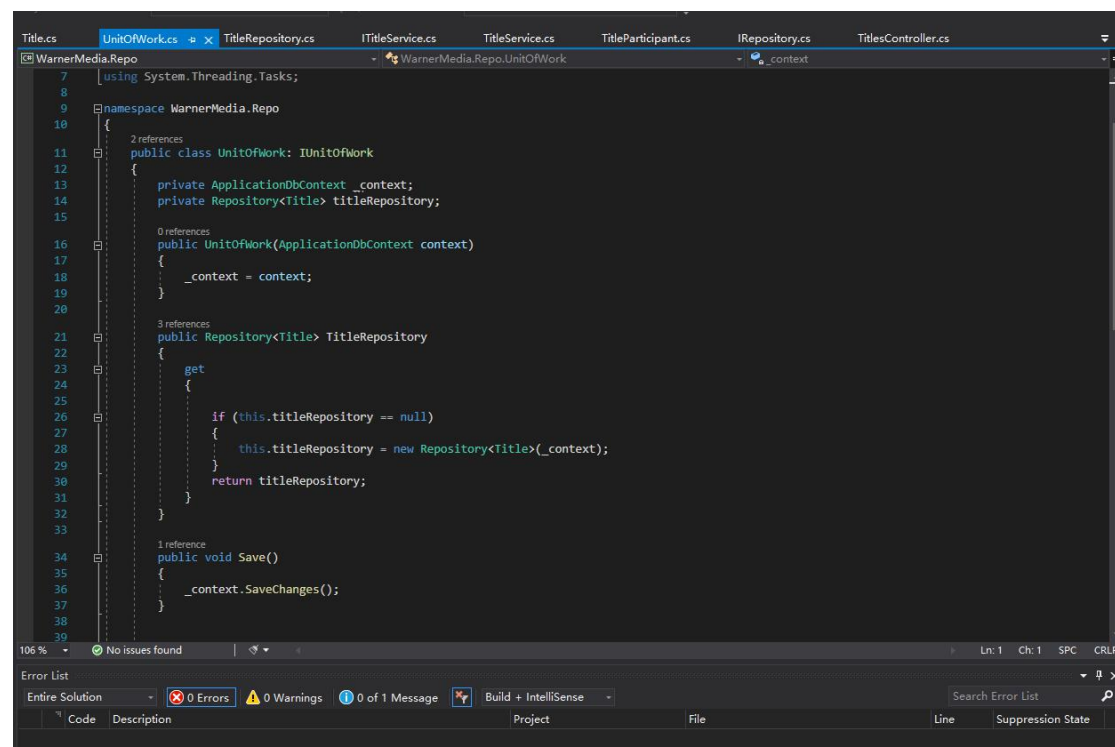
Backend:

I choose ,net core api for backend, it's easier for set up and doing dependency injection.

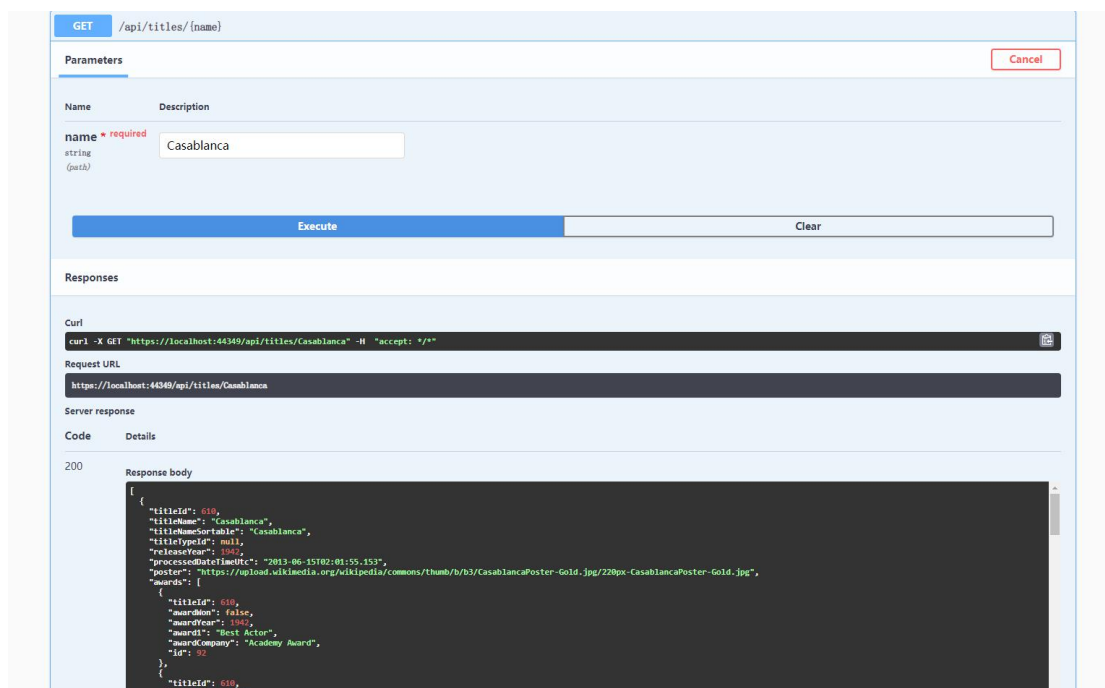
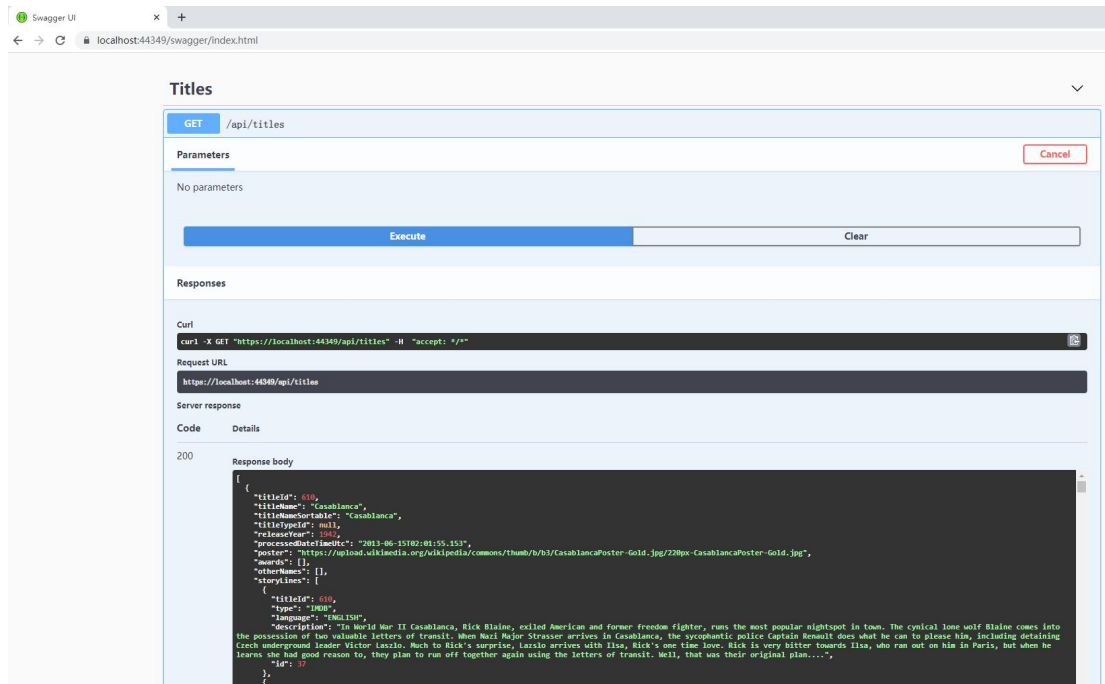
Structure I use onion architecture, 4 layer: model, repository, service and application.



Also implement unit of work so each time for a endpoint request we only have one database instance.



We can see successfully get data back



Two endpoint, one get all title details. One get title detail data by input.

Front-end:

Using latest version react:

Separate to several components, also implement router.(here mainly two routes, one is main page, one is detail page.

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File Edit Selection View Go Run Terminal Help
indexjs - warnermedia-app - Visual Studio Code

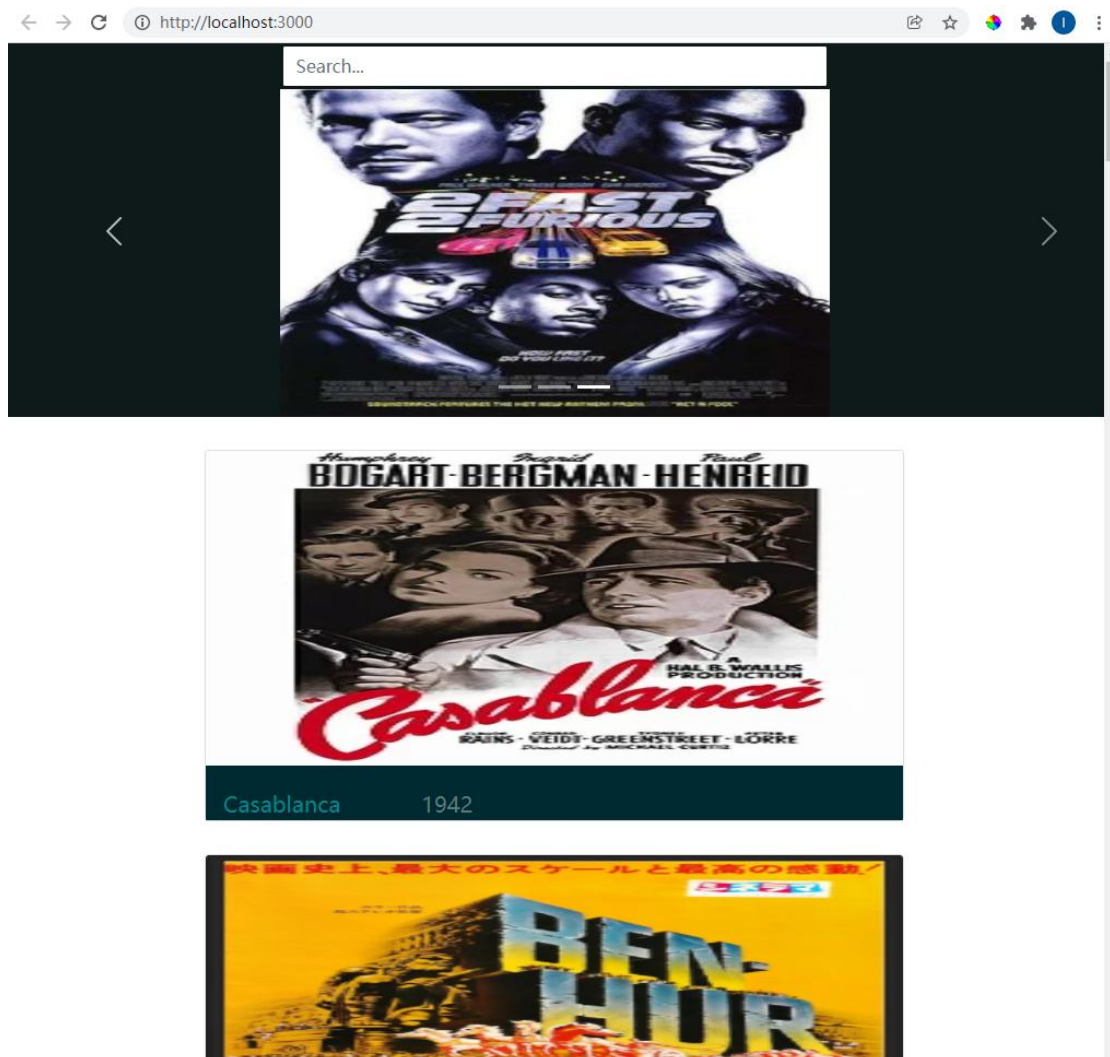
EXPLORER
src
  indexjs
  indexcss
  App.js
  App.test.js
  App.css
  TitleList.js
  TitleDetail.js
  SearchBox.js
  Details.js
  Details.css
  Components
  public
  node_modules
  package-lock.json
  package.json
  README.md
  .gitignore
  setupTests.js
  reportWebVitals.js
  logo.svg

src > indexjs
1 import React from "react";
2 import ReactDOM from "react-dom";
3 import "./index.css";
4 import App from "./App";
5 import reportWebVitals from "./reportWebVitals";
6 import "bootstrap/dist/css/bootstrap.min.css";
7 import { BrowserRouter, Route, Routes } from "react-router-dom";
8 import TitleDetail from "./Components/TitleDetail";
9
10 ReactDOM.render(
11   <BrowserRouter>
12     <Routes>
13       <Route path="/" element={<App />} />
14       <Route path="/details/:name" element={<TitleDetail />} />
15     </Routes>
16   </BrowserRouter>,
17   document.getElementById("root")
18 );
19
20 // If you want to start measuring performance in your app, pass a function
21 // to log results (for example: reportWebVitals(console.log))
22 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
23 reportWebVitals();
24
```

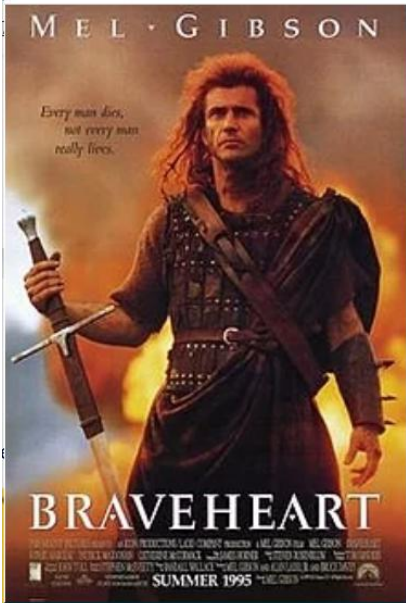
Application is not big so not set up very detail components folder.

By using usestate, useeffect hook and other basic pass value ,method fulfill the requirements.

Main page:



Sample detail page:



Braveheart


(1995)

In the late 13th century, William Wallace returns to Scotland after living away from his homeland for many years. The king of Scotland has died without an heir and the king of England, a ruthless pagan known as Edward the Longshanks, has seized the throne. Wallace becomes the leader of a ramshackle yet courageous army determined to vanquish the greater English forces. At the historic battle of Stirling, Wallace leads his army to a stunning victory against the English. Knighted by the grateful Scottish nobles, Sir William Wallace extends the conflict south of the border and storms the city of York. King Edward I is astonished by the unexpected turn of events. Unable to rely on his ineffectual son Prince Edward, Longshanks sends his daughter-in-law Princess Isabelle to discuss a truce with Wallace.

Awards

- Best Cinematography (1995) awarded by Academy Award
- Best Director (1995) awarded by Academy Award
- Best Makeup (1995) awarded by Academy Award
- Best Picture (1995) awarded by Academy Award
- Best Sound Editing (1995) awarded by Academy Award

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A Man for All Seasons

(1966)

Henry VIII wants to divorce his wife, and seeks the approval of the aristocracy. Sir Thomas More is a man of principle and reason, and is thus placed in a difficult position: should he stand up for his principles, risking the wrath of a corrupt King fond of executing people for treason? Or should he bow to the seemingly unstoppable corruption of Henry VIII, who has no qualms about bending the law to suit his own needs?

Awards

- Best Actor (1966) awarded by Academy Award
- Best Adapted Screenplay (1966) awarded by Academy Award
- Best Cinematography (1966) awarded by Academy Award
- Best Costume Design (1966) awarded by Academy Award
- Best Director (1966) awarded by Academy Award
- Best Picture (1966) awarded by Academy Award
- Best Writing, Screenplay (1967) awarded by Academy Award

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Here also from main page can do search, filter by input, will show through a short video.