

Production-ready Next.js App with Cursor Al

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What We'll Build Today

Sci-Fi Movie Browsing Application

- Landing page with hero section and pricing
- Grid with sci-fi movies in cards
- Movie details page
- Movie editing functionality

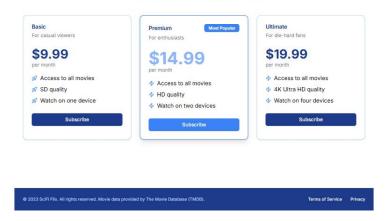
Learning Objectives

- Building robust Next.js applications
- Use the Cursor IDE and Vercel v0
- Generate code and database using Cursor
- How to prompt Al's to get the best results
- Have the AI fix it's own
- Get AI help with code reviews

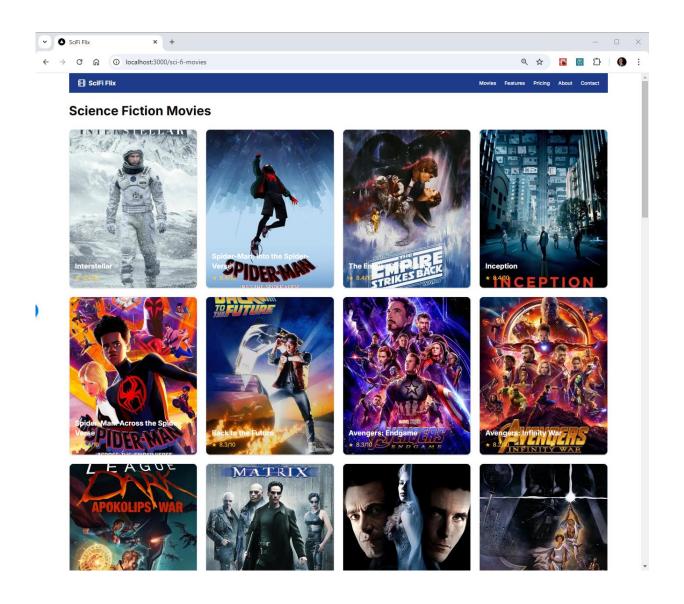
Landing page



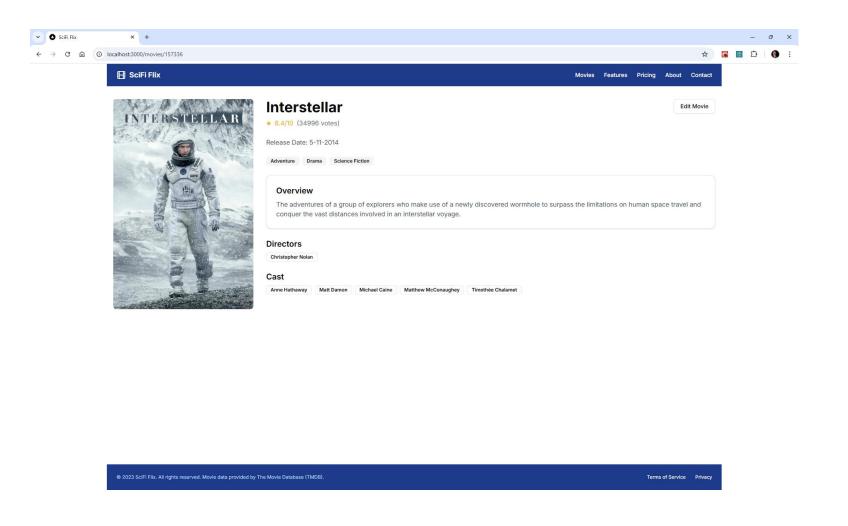
Choose Your Plan



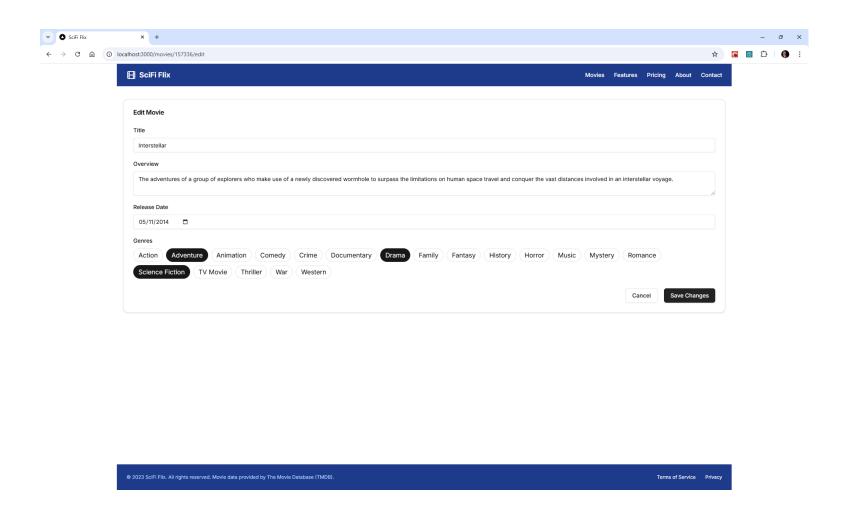
Movies page



Movie details page



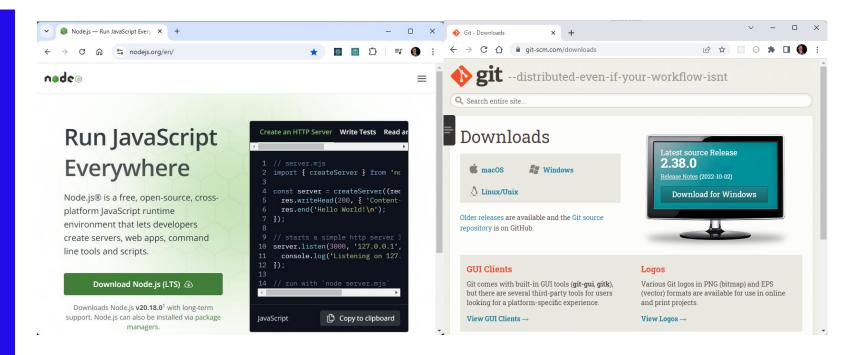
Movie editor page

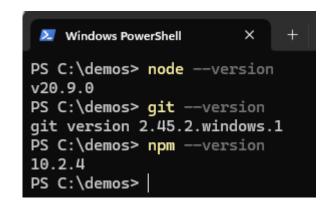


Prerequisites

Install Node & NPM
Install the GitHub repository

Install Node.js & NPM





Following Along



```
update: {},
    create: {
      id: genre.id,
      name: genre.name,
console.log('Seeding movies ...');
for (const movie of moviesData) {
  await prisma.movie.upsert({
    where: { id: movie.id },
    update: {},
    create: {
      id: movie.id,
      backdropPath: movie.backdropPath,
      overview: movie.overview,
      popularity: movie.popularity,
      posterPath: movie.posterPath,
      releaseDate: new Date(movie.releaseDate),
      title: movie.title,
      voteAverage: movie.voteAverage,
      voteCount: movie.voteCount,
      actors:
        connect: movie.actorIds.map((id: number) \Rightarrow ({ id })),
```

- Repo: https://github.com/mauricedb/sci-fi-cinema-24
- Slides: https://www.theproblemsolver.dev/docs/react-day-berlin-2024.pdf

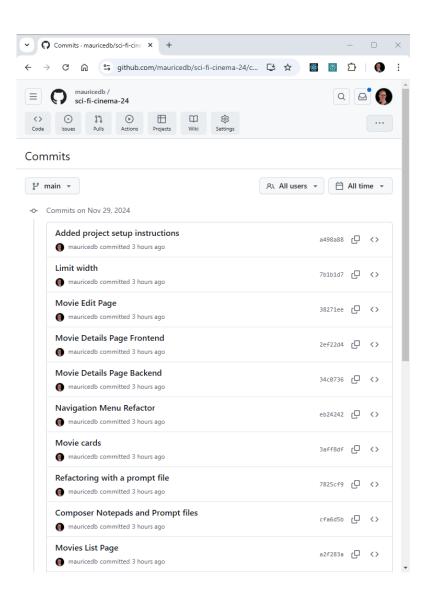
What have I done so far?

- Create a new Next.js app with shadcn/ui
 - npx shadcn@latest init --src-dir
- Add sample movie JSON data

```
Windows PowerShell
PS C:\demos> npx shadcn@latest init --src-dir
  The path C:\demos does not contain a package.json file. Would you like to start a new Next.js project? ... yes
  What is your project named? ... sci-fi-cinema-24
Creating a new Next.js project.
 Which style would you like to use? » New York
 Which color would you like to use as the base color? » Neutral
 Would you like to use CSS variables for theming? ... no / yes
 ✓Writing components.json.
Checking registry.
✓Updating tailwind.config.ts
✓Updating src\app\globals.css
✓Installing dependencies.
✓Created 1 file:
 - src\lib\utils.ts
✓Updating tailwind.config.ts
Success! Project initialization completed.
You may now add components.
PS C:\demos>
```

The changes

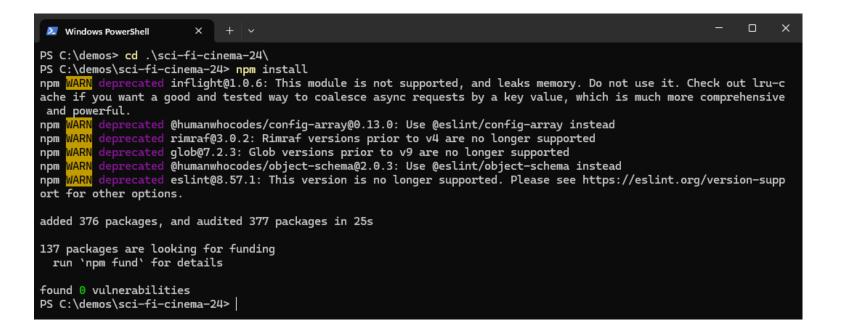




Clone the GitHub Repository

```
PS C:\demos> git clone https://github.com/mauricedb/sci-fi-cinema-24.git
Cloning into 'sci-fi-cinema-24'...
remote: Enumerating objects: 170, done.
remote: Counting objects: 100% (170/170), done.
remote: Compressing objects: 100% (102/102), done.
remote: Total 170 (delta 50), reused 166 (delta 49), pack-reused 0 (from 0)
Receiving objects: 100% (170/170), 442.49 KiB | 4.25 MiB/s, done.
Resolving deltas: 100% (50/50), done.
PS C:\demos> |
```

Install NPM Packages



Start branch

- Start with the **00-start** branch
 - git checkout --track origin/00-start

Start the application

```
PS C:\demos\sci-fi-cinema-24> npm run dev

> sci-fi-cinema-24@0.1.0 dev

> next dev

A Next.js 14.2.16
- Local: http://localhost:3000

/ Starting...
/ Ready in 1626ms
O Compiling / ...
/ Compiled / in 2.6s (546 modules)

GET / 200 in 2865ms
/ Compiled in 225ms (254 modules)
```

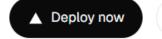
The application





NEXT.Js

- Get started by editing src/app/page.tsx .
- 2. Save and see your changes instantly.



Read our docs

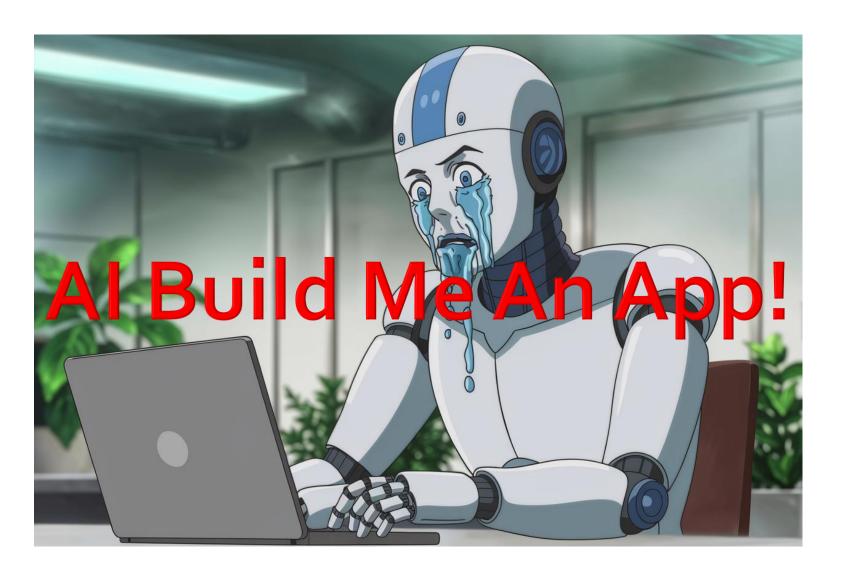
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What is Al-Driven App Development?

What is Al-Driven App Development?

- Leveraging AI capabilities to streamline and enhance the app development process
- Focus on creativity, innovation, and higher-level problem-solving over manual coding

What is Al-Driven App Development?



The Cursor IDE

- Al-enhanced code editor that integrates seamlessly with existing development workflows
- Key capabilities:
 - Code prediction
 - Real-time suggestions
 - Architectural comprehension

Alternatives

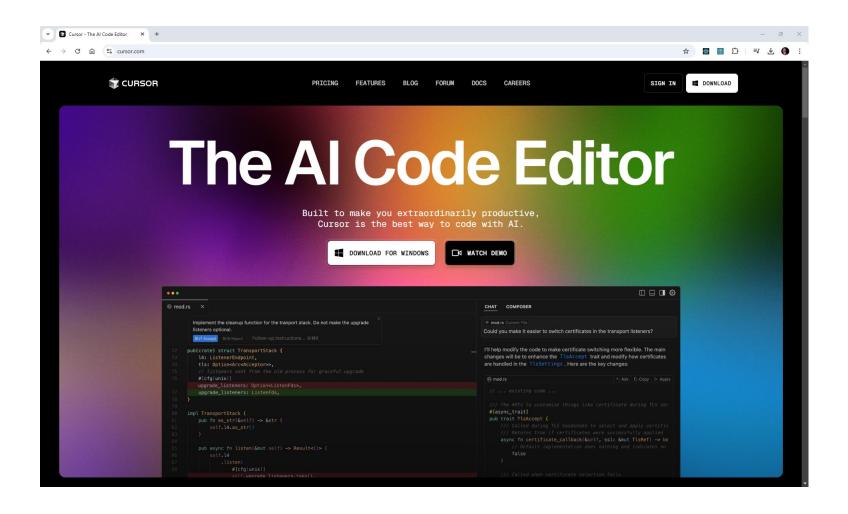
- Visual Studio Code plug-ins
 - GitHub Copilot
 - Cline
- Editors
 - <u>Aider</u>
 - Bolt
 - Windsurf Editor

Benefits of Al-Driven App Development

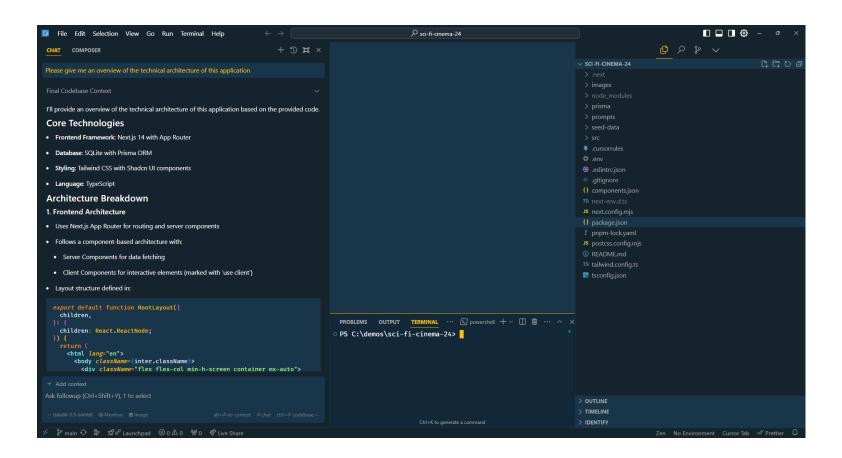
- Reduced coding effort and repetitive tasks
- Faster prototyping and iteration
- Improved developer productivity and creativity
- Consistent, high-quality code generation

Installing Cursor IDE

Installing Cursor IDE

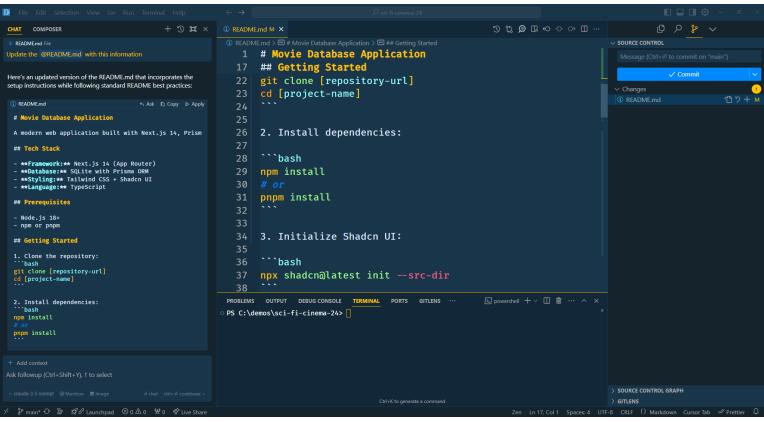


Installing Cursor IDE



Installing Cursor IDE





Adding a landing page

With https://v0.dev/

Adding a landing page

- Vercel https://v0.dev/ is great at generating more complex UI's
 - Has a preference for Tailwind and Shadon components

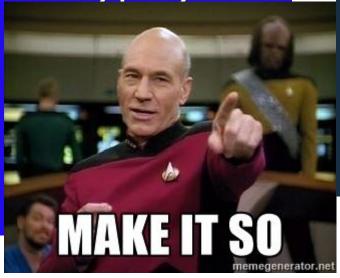
The prompt

Can you create me an appealing landing page for an application to view popular science fiction movies.

Include the following:

- Header with a nav menu
- Hero section with an image
- Section where the user can choose the wanted subscription with three appropriate prices.
- Make the middle price stand out as most popular
- Footer with info that the movie data comes from https://www.themoviedb.org/
- Use a blue theme

Adding a landing page



```
landing-page.tsx X
src > components > 🏶 landing-page.tsx > ...
    export function LandingPageComponent() {
 19
      return (
 20
        <header className="px-4 lg:px-6 h-14 flex items-center □bg-blue-900 ■text-white">
 21
           <Link className="flex items-center justify-center" href="#">
             <Film className="h-6 w-6" />
 23
 24
             <span className="ml-2 text-lg font-bold">SciFi Flix/span>
 25
            </Link>
           <nav className="ml-auto flex gap-4 sm:gap-6">...
 26 >
            </nav>
          </header>
          <main <pre>className="flex-1">
 53
            <section className="w-full py-12 md:py-24 lg:py-32 xl:py-48 □ bg-blue-900 ■ text-white">
 54
             <div className="container px-4 md:px-6">
               <div className="grid grid-cols-1 lg:grid-cols-2 gap-6 items-center">
                 <div className="flex flex-col items-center lg:items-start space-y-4 text-center lg:</pre>
                   <div className="space-y-2">
 58
                    <h1 className="text-3xl font-bold tracking-tighter sm:text-4xl md:text-5xl lg:t</pre>
 59
                      Explore the Universe of Sci-Fi Cinema
 60
                     </h1>
 62
                    Dive into a vast collection of popular science fiction
 63
                      movies. From classic space operas to mind-bending time
                      travels, we' ve got it all.
 66
                     67
                   </div>
 68
                   <div className="space-x-4">
```

The Cursor Al Tools

The Cursor Al Tools/Panels

- Cursor Tab
- Cursor Prompt Bar (Command K)
- Cursor Chat (Command L)
- Cursor Composer (Command I)

© ABL - The Problem Solver

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Cursor Tab

- Cursor Tab enhances coding with AI-powered autocomplete
 - Like GitHub Copilot but multi line, code changes and predictions

Key Features:

- Predicts your next edit, allowing you to breeze through changes
- Lets you tab through suggested code completions
- Provides intelligent autocomplete functionality

• When to Use:

- During active coding sessions
- When you want to speed up your coding process
- For quick code completions and predictions

Cursor Prompt Bar

The Prompt Bar is for quick Al-assisted code generation and editing

Key Features:

- Allows inline code generation and editing
- Provides context-aware suggestions
- Supports follow-up instructions for refinement
- Enables quick questions about selected code

When to Use:

- For rapid code generation without switching context
- To make AI-assisted edits to existing code
- When you need quick answers about specific code sections
- To generate terminal commands in plain English

Cursor Chat

- The Chat panel in Cursor serves as an Al-powered coding assistant
- Key Features:
 - Allows you to get answers from your codebase
 - Enables you to refer to files or documentation
 - Offers the ability to use the model's code suggestions with one click
- When to Use:
 - When you need clarification on your codebase
 - To quickly access relevant documentation
 - For getting AI-generated code suggestions

Cursor Composer

 The Composer panel in Cursor empowers you to write and modify code using natural language instructions

Key Features:

- Lets you write code using simple prompts or instructions
- Enables updating entire classes or functions with a single prompt
- Understands your codebase context

When to Use:

- When you want to make broad changes to your code
- For generating new code sections based on descriptions
- To refactor or update existing code structures quickly



- Break large tasks up into smaller ones
 - Just like you divide an epic into more manageable user stories
- Tell Cursor to ask you questions about what to do
 - Just like you would during a refinement
- Create frequent Git commits
 - Makes it easy to go back to a previous state
- Consider adding Playwright E2E test
 - Sometimes the AI agent makes unintended changes



The prompt

Add a SQLite database with the Prisma ORM
Create the required tables to store the data in
Seed the database with the data in @seed-data

Adding Prisma

```
generator client {
        provider = "prisma-client-js"
      You, 3 days ago | 1 author (You)
  8 datasource db {
        provider = "sqlite"
 10
       url
                 = env("DATABASE_URL")
 11
 12
      You, 3 days ago | 1 author (You)
     model Movie {
 14
        id
                      Int
                                aid
 15
       backdropPath String?
 16
       overview
                      String
 17
        popularity
                      Float
 18
        posterPath
                      String?
 19
        releaseDate
                      DateTime
        title
                      String
 20
 21
        voteAverage
                      Float
 22
        voteCount
                      Int
 23
                      Genre[]
        genres
 24
                      Actor[]
        actors
                      Director[]
 25
        directors
 26
 27
      You, 3 days ago | 1 author (You)
 28 model Actor
```

Adding Prisma

Adding Prisma



```
TS seed.ts X
prisma > TS seed.ts > ...
      async function main() {
            update: {},
  89
 90
            create: {
              id: genre.id,
 91
 92
              name: genre.name,
 93
 94
 95
 96
 97
        // Create movies with relationships
        console.log('Seeding movies...');
 98
 99
        for (const movie of moviesData) {
          await prisma.movie.upsert({
100
101
            where: { id: movie.id },
102
            update: {},
103
            create: {
              id: movie.id,
104
105
              backdropPath: movie.backdropPath,
106
              overview: movie.overview,
              popularity: movie.popularity,
107
              posterPath: movie.posterPath,
108
              releaseDate: new Date(movie.releaseDate),
109
              title: movie.title,
110
              voteAverage: movie.voteAverage,
111
112
              voteCount: movie.voteCount,
113
              actors:
                 connect: movie.actorIds.map((id: number) \Rightarrow ({ id })),
114
```

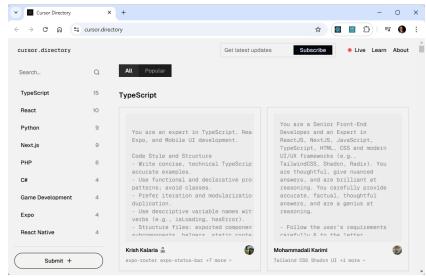
10-minute break



Using Rules for AI & .cursorrules files

Using Rules for Al

- Rules for AI instructions are **standard instructions** to the AI agent
 - On a per user basis
- Add project-specific instructions to a .cursorrules file
 - Committed in GitHub
 - See:
 - https://cursor.directory
 - https://cursorlist.com
 - https://dotcursorrules.com



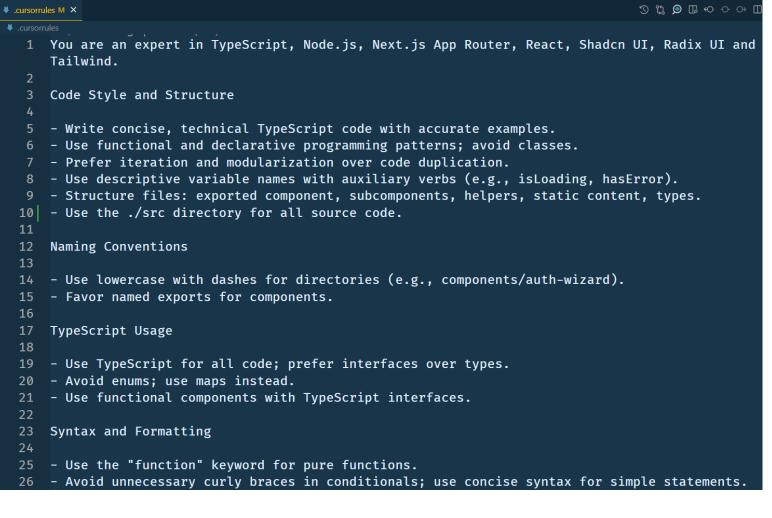
The prompt

Add a section about using Prisma and using Prisma best practices with Next.js and SQLLite
Also add the fact that we are using the Next.js `./src` folder

@Prisma @NextJS

Using Rules for Al





Movies List Page

The prompt

Add a new movies list route `/sci-fi-movies`.

Display a list of all science fiction movies from the database.

Ask any questions you might have.

Movies List Page

```
5 th 🔊
JS next.config.mjs M
src > app > sci-fi-movies > ∰ page.tsx > ...
      async function getSciFiMovies() {
        const movies = await prisma.movie.findMany({
          where: {
            genres:
              some:
                id: 878, // Science Fiction genre ID
  10
  11
  12
  13
          include: {
  14
            genres: true,
  15
            directors: true,
  17
          orderBy: {
  18
            voteAverage: 'desc',
  19
         -},
        });
  20
        return movies;
  21
  22
  23
      export default async function SciFiMoviesPage() {
        const movies = await getSciFiMovies();
  25
 27
        return (
          <main className="py-8">
  28
            <h1 className="text-4xl font-bold mb-8">Science Fiction Movies/h1>
  29
            <div className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 xl:grid-cols-4 gap-6">
  30
```

Movies List Page

Error: Invalid src prop



```
⇔ page.tsx U

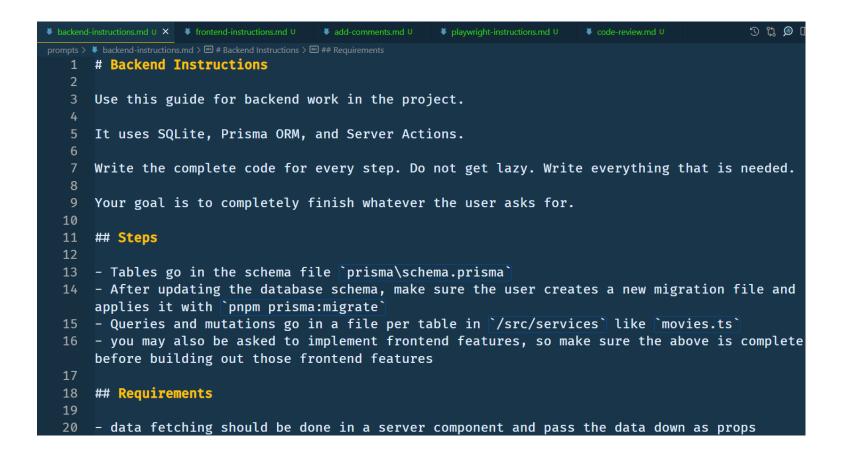
            landing-page.tsx M
                              JS next.config.mjs M X
JS next.config.mjs > ...
       You, 14 minutes ago | 1 author (You)
       /** atype {import('next').NextConfig} */
       const nextConfig = {
          images: {
   3
   4
            remotePatterns: [
   5
                 protocol: 'https',
   6
                 hostname: 'image.tmdb.org',
                 pathname: '/t/p/**',
   8
   9
  10
  11
  12
```

Composer Notepads

Composer Notepads

- Use Notepads to manage context for specific areas of your project:
 - Create separate notepads for different components or features
 - Tag relevant files within each notepad for easy reference
- Reference Notepads directly in chat or Composer prompts to provide context for your queries or code generation tasks
- Using Prompt files is an alternative
 - Shared between developers through GitHub

Composer Notepads and Prompt files



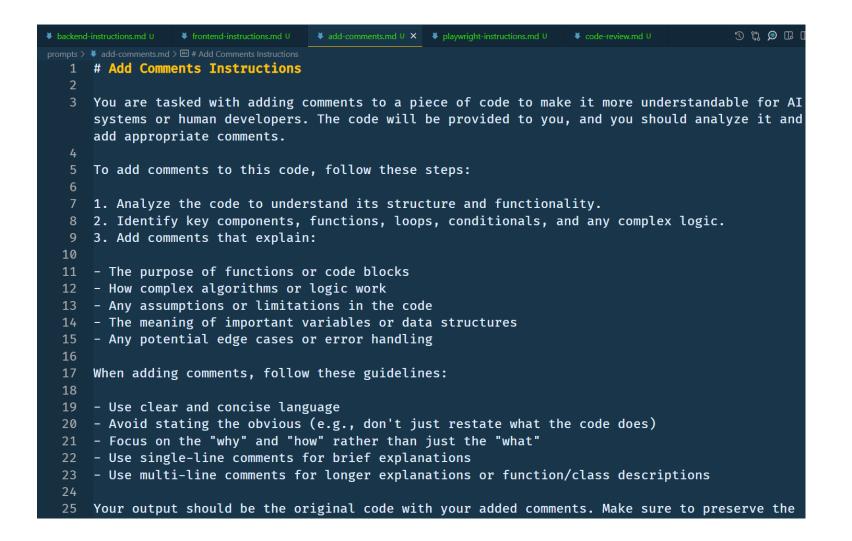
Composer Notepads and Prompt files

```
5 th 🔘 🖫 🗆

♥ playwright-instructions.md U

prompts > ♥ frontend-instructions.md > ™ # Frontend Instructions > ™ ## Requirements
      # Frontend Instructions
      Use this guide for frontend work in the project.
     It uses Next.js, Tailwind, and Shadcn.
      Write the complete code for every step. Do not get lazy. Write everything that is needed.
      Your goal is to completely finish whatever the user asks for.
 10
 11
      ## Steps
 12
     - All new components should go in `/src/components` and be named like `example-component.tsx`
      unless otherwise specified
     - All new pages go in `/src/app`
 15
      ## Reminders
 17
      - We use the Next.js app router
      - Try and group components into folders
 20
      ## Requirements
 21
 22
     - All data fetching should be done in a server component and pass the data down as props
 24 - Client components (useState, hooks, etc) require that 'use client' is set at the top of the
      file
 25 - useRouter should be imported from next/navigation
```

Composer Notepads and Prompt files



Composer
Notepads and



```
5 th ® ← → → h
page.tsx M X
10 > async function getSciFiMovies() {
28
29
30
31
32
33
37
     export default async function SciFiMoviesPage() {
       const movies = await getSciFiMovies();
 40
 41
       return (
 42
         <main className="py-8">
 43
           <h1 className="text-4xl font-bold mb-8">Science Fiction Movies</h1>
 44
           <div className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 xl:grid-cols-4 gap-6">
              \{movies.map((movie) \Rightarrow (
```



The prompt

Refactor this file and move the 'getSciFiMovies()' function to the proper location.

@backend-instructions.md

Refactoring

```
☼ page.tsx M X TS movies.ts U
src > app > sci-fi-movies > ∰ page.tsx > ...
      import { getSciFiMovies } from '@/services/movies';
      import Image from 'next/image';
       * - Hover animations for interactive feedback
  11
      export default async function SciFiMoviesPage() {
        const movies = await getSciFiMovies();
  13
  14
  15
        return (
  16
           <main className="py-8">
  17
             <h1 className="text-4xl font-bold mb-8">Science Fiction Movies</h1>
  18
```

Refactoring



```
import { prisma } from '@/lib/prisma';
    export async function getSciFiMovies() {
      const movies = await prisma.movie.findMany({
10
11
        where: {
12
          genres: {
13
            some:
14
              id: 878, // Science Fiction genre ID from TMDB
15
16
17
        include: {
18
19
          genres: true,
20
          directors: true,
21
22
        orderBy: {
23
          voteAverage: 'desc',
24
        ₿,
25
      });
26
      return movies;
27
```

10-minute break



Responsive Grid & Movie cards

The prompt

Update the movie card to look like this image

The 'Read More' should only be visible when the mouse hovers over the card.

Also move the movie card to a separate component and use the Shadcn Card component

Ask any questions you might have.

@frontend-instructions.md

The second prompt as it was using useState()

Make this a RSC and use @Tailwind CSS to do the hover instead of the component using React state

Responsive Grid & Movie cards

```
5 12 9 00 00 00
    You, 7 minutes ago | 1 author (You)
 1 import { getSciFiMovies } from '@/services/movies';
   import { MovieCard } from '@/components/movies/movie-card';
10
    export default async function SciFiMoviesPage() {
      const movies = await getSciFiMovies();
12
13
      return (
        <main className="py-8">
          <h1 className="text-4xl font-bold mb-8">Science Fiction Movies</h1>
16
17
          <div className="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 xl:grid-cols-4 gap-6">
             \{movies.map((movie) \Rightarrow (
18
               <MovieCard key={movie.id} movie={movie} />
19
            1))}
20
21
          </div>
22
        </main>
23
```

Responsive Grid & Movie cards



```
TO the second
    export function MovieCard({ movie }: MovieCardProps) {
            <div className="w-full h-[450px] ■bg-gray-200 flex items-center justify-center">
29
              No Image Available
30
            </div>
33
          <CardContent className="absolute bottom-0 left-0 right-0 p-4 ■text-white z-20">
            <h2 className="text-xl font-bold mb-2">{movie.title}</h2>
            <div className="flex items-center gap-2 ■text-yellow-400">
              <span>★</span>
38
              <span>{movie.voteAverage.toFixed(1)}/10</span>
            </div>
40
          ⟨/CardContent>
41
42
43
44
          <CardFooter
            className="absolute inset-0 flex items-center justify-center transition-opacity duration
            opacity-0 group-hover:opacity-100"
46
            <button className="■bg-red-600 ■text-white px-6 py-2 rounded-md font-semibold ■hover</pre>
49
              READ MORE
            </button>
50
          ⟨/CardFooter>
51
        </Card>
53
```



The prompt

Move the header and footer into separate components and update the usage so they are visible on all pages.

Also add the route to the sci-fi movies to the navigation bar in the header

@frontend-instructions.md

```
5 6 0 0 0 0 1 □

☆ layout.tsx

    export function LandingPageComponent() {
      return (
19
20
        <div className="flex flex-col ■bg-blue-50">
          <section className="w-full py-12 md:py-24 lg:py-32 xl:py-48 □bg-blue-900 ■text-white">
21
22
            <div className="container px-4 md:px-6">
23
              <div className="grid grid-cols-1 lg:grid-cols-2 gap-6 items-center">
               <div className="flex flex-col items-center lg:items-start space-y-4 text-center lg</pre>
                 <div className="space-y-2">
25
26
                   <h1 className="text-3xl font-bold tracking-tighter sm:text-4xl md:text-5xl lg:</pre>
                     Explore the Universe of Sci-Fi Cinema
27
28
                   </h1>
29
                   Dive into a vast collection of popular science fiction movies.
30
                     From classic space operas to mind-bending time travels,
                     we' ve got it all.
                   </div>
34
                 <div className="space-x-4">
                   <Link href="/sci-fi-movies">
36
                     <Button className=" ■bg-white □ text-blue-900 ■ hover:bg-blue-100">
37
38
                       Get Started
                     </Button>
                   </Link>
40
                   <Button
41
                     variant="outline"
42
                     className=" ■ text-white ■ border-white ■ hover:bg-white □ hover:text-blue-90
43
```

```
5 9 0 0
landing-page.tsx
           ♦ header.tsx X
♦ footer.tsx
                                 layout.tsx
   3 import Link from 'next/link';
      import { Film } from 'lucide-react';
     export function Header() {
        return (
          <header className="px-4 lg:px-6 h-14 flex items-center □bg-blue-900 ■text-white">
            <Link className="flex items-center justify-center" href="/">
              <Film className="h-6 w-6" />
 10
              <span className="ml-2 text-lg font-bold">SciFi Flix</span>
 11
 12
            </Link>
            <nav className="ml-auto flex gap-4 sm:gap-6">
 13
 14
              <Link
                className="text-sm font-medium hover:underline underline-offset-4"
 15
                href="/sci-fi-movies"
 16
 17
 18
                Movies
              </Link>
 19
 20
              <Link
                className="text-sm font-medium hover:underline underline-offset-4"
 21
 22
                href="#features"
 23
                Features
 24
 25
              </Link>
              <Link
 26
 27
                className="text-sm font-medium hover:underline underline-offset-4"
                href="#pricing"
 29
```

```
5 9 € -
landing-page.tsx
             header.tsx
                     1 import Link from 'next/link';
     export function Footer() {
       return (
         <footer className="flex flex-col gap-2 sm:flex-row py-6 w-full shrink-0 items-cente</pre>
           © 2023 SciFi Flix. All rights reserved. Movie data provided by{' '}
               href="https://www.themoviedb.org/"
               className="hover:underline underline-offset-2"
 10
               target="_blank"
 11
 12
               rel="noopener noreferrer"
 13
 14
               The Movie Database (TMDB)
 15
             </a>
 16
 17
           <nav className="sm:ml-auto flex gap-4 sm:gap-6">
 18
             <Link className="text-xs hover:underline underline-offset-4" href="#">
 19
               Terms of Service
 20
 21
             </Link>
             <Link className="text-xs hover:underline underline-offset-4" href="#">
 22
 23
               Privacy
 24
             </Link>
 25
           </nav>
         ⟨ footer>
 26
```



```
landing-page.tsx
             ♦ header.tsx

☆ footer.tsx

                                   export default function RootLayout({
        children,
      }: {
  16
        children: React.ReactNode;
  18
  19
        return (
           <html lang="en">
  20
             <body className={inter.className}>
  21
               <div className="flex flex-col min-h-screen">
  22
  23
                 <Header />
                 <main className="flex-1">{children}</main>
  24
                 <Footer ∕>
  25
               </div>
  26
  27
             </body>
           </html>
  28
  29
  30
```



Code Reviews

- Review Diff's with Main Branch, Commit, Working State or Codebase
- Use a Prompt File/Notepad like code-review.md

Code Reviews



10-minute break



Movie Details Page

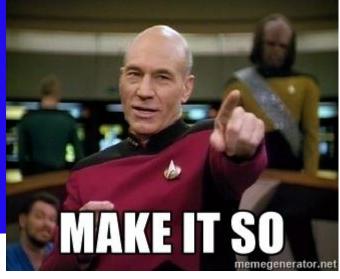
The prompt

I want to add a route to inspect all the details available in the database for a single movie.

Create a query I can use to load the object in page I will create next.

@backend-instructions.md

Movie Details Page Backend



```
TS movies.ts M X 🔥 schema.prisma
      export async function getMovieById(id: number) {
 31
        try {
          const movie = await prisma.movie.findUnique({
 32
 33
            where: {
 34
              id: id.
 35
 36
            include: {
 37
              genres: true,
              directors: true,
 38
 39
              actors: true,
 40
            },
          });
 41
 42
 43
          if (!movie) {
            throw new Error('Movie not found');
 44
 45
 46
 47
          return movie;
 48
          catch (error) {
          console.error('Error fetching movie:', error);
 49
 50
          throw error;
 51
 52
 53
 54
      export type MovieWithDetails = Prisma.PromiseReturnType<typeof getMovieById>;
```

The prompt

Create a new route to inspect all the details available in the database for a single movie. Use the 'getMovieById' function to retrieve all the movie data.

Update the @movie-card.tsx to link to this route from Read More

Ask any questions you might have.

@frontend-instructions.md

Movie Details Page Frontend

```
🤀 page.tsx U 🗙 🧠 movie-card.tsx M
src > app > movies > [id] > 🏶 page.tsx > ..
      interface MoviePageProps {
        params: {
           id: string;
        };
 10
 11
 12
      export default async function MoviePage({ params }: MoviePageProps) {
 13
 14
        try {
 15
           const movie = await getMovieById(parseInt(params.id));
 16
           return (
 17
             <main className="container mx-auto py-8 px-4">
  18
               <div className="grid md:grid-cols-[350px_1fr] gap-8">
  19
                 { /* Movie Poster */}
 20
 21
                 <div className="relative h-[525px]">
 22
                    {movie.posterPath ? (
 23
                     <Image
                        src={ `https://image.tmdb.org/t/p/w500${movie.posterPath} `}
 24
                        alt={movie.title}
 25
                        fill
  26
                        className="object-cover rounded-lg"
 27
 28
                        priority
 29
                      />
  30
                     <div className="w-full h-full ■bg-gray-200 rounded-lg flex items-center</pre>
 31
 32
                        No Image Available
                     </div>
 33
```

Movie Details Page Frontend



```
    movie-card.tsx M 

    X

⇔ page.tsx U

src > components > movies > ∰ movie-card.tsx > ...
      export function MovieCard({ movie }: MovieCardProps) {
  45
             <CardFooter
                className="absolute inset-0 flex items-center justify-center transition-
                opacity-0 group-hover:opacity-100"
  47
  48
                <Link href={`/movies/${movie.id}`}>
                  <button className="■bg-red-600 ■text-white px-6 py-2 rounded-md font</pre>
  50
  51
                    READ MORE
  52
                  </button>
  53
                </Link>
  54
              </CardFooter>
  55
           </Card>
  56
```

Movie Edit Page

The prompt

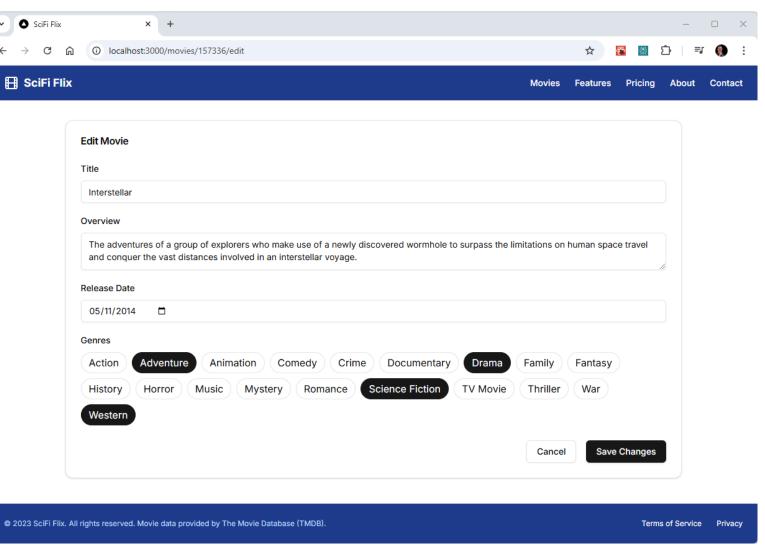
Create a new route to edit the details for a movie available in the database. Add a React Server Action to do the update when the RSC form is submitted.

Ask any questions you might have.

@backend-instructions.md @frontend-instructions.md @Codebase

Movie Edit Page





But there is more



But there is more

- Use AI to create product requirements
- Use Al to estimate the effort
- Use AI to design the architecture
- Use AI to create a project plan
- Use AI to write **user stories** and acceptance criteria
- Use AI to write README files
- Use AI to draw diagrams
 - — Use Mermaid syntax to directly embed in GitHub Markdown
- Use AI to generate Playwright end to end tests
- Use AI to create ...

Recommendations with Al-Driven App Development

Recommendations

- The Al is **a junior software engineer** at best
 - Give it small focused steps for best results
- Give the AI as much context as possible
 - Using a .cursorrules and prompt files
- Break larger steps up into small focused ones
- Let Cursor known it can ask you questions
- Commit to Git after each small step you are happy with
- Review the AI generated code like a junior developer
 - But remember it doesn't learn from a chat conversation

When not to use AI?

- Don't treat AI as a silver bullet
 - Some tasks are easier to just do manually
- Be careful with generating **critical code**
 - An AI might not consider all implications
- When dealing with legacy system
 - The AI is probably not aware about the system and will hallucinate

Conclusion

- Using AI tools will make software engineers more productive
 - But won't replace them any time soon (if ever)
- Al tools are like a junior software engineer at the moment
 - It needs a lot of guidance and assistance

Thank you for joining

Share your thoughts

