Project StarLightCinema

Description:
A video streaming platform showcasing short films renowned for their concise storytelling, evoking emotions and delivering impactful messages within limited time.

Key Features:

- **User Authentication**:
  - User signup, login, and logout.
  - Email Verification, Password encryption and secure authentication.
- **Personalized Experience**:
  - Save watch history.
  - Recommendations based on watch history.
- **Streaming**:
  - Smooth video streaming with adaptive bitrate streaming for a better user experience
- **Video Metadata:**
  - Includes title, description, and genre.
- **UI design:**
  - Eye Catching user design with mobile first approach.
- **Search and Filters:**
  - Search by title or filter through genre.

Tech Stack:

- **Front-end**
  - **Next.js:** Framework for building server-rendered or statically generated front-ends.
  - **TypeScript:** Ensures robust, type-safe development.
  - **Redux:** Manages application-wide state effectively.
  - **Tailwind CSS:** Rapidly builds modern, responsive designs.
- **Backend**
  - **Node.js**: Handles asynchronous server-side operations.
  - **Express**: Simplifies API development and integrates WebSocket communication.
  - **Prisma ORM**: Provides structured and type-safe database management.
  - **Redis**: Implements caching for frequently accessed data.
- **Database**
  - **PostgreSQL**: Reliable relational database
- **Video Storage**
  - **AWS S3**: Scalable video storage.
  - **AWS CloudFront**: Ensures efficient video content delivery.

- **Authentication**
  - **NextAuth.js**: Supports multiple authentication methods, including social logins.
  - **Bcrypt**: Provides secure password hashing.
  - **Resend Email**: Manages email notifications and verification.
- **Deployment**
  - **Vercel**: Simplifies deployment for Next.js apps.
  - **Git/GitHub**: Tracks code versions and enables collaboration.
  - **CI/CD Pipelines**: Automates testing and deployment.

Existing Applications in the Industry

➢ **YouTube**

- **Relevance:** While YouTube hosts a wide range of videos, including short films, it lacks a dedicated focus on curated, storytelling-driven short film content.

➢ **Netflix Shorts Section**

- **Relevance:** Netflix occasionally features short films within its larger library but does not specifically cater to short film enthusiasts with a focused streaming experience.

➢ **Short of the Week**

- **Relevance:** Exclusively dedicated to short films but does not offer personalized recommendations or advanced interactivity for viewers.

How StarLightCinema Stands Out

StarLightCinema provides a dedicated platform solely for short films, enriched with personalized recommendations and an engaging, user-friendly interface, offering a tailored experience unmatched by general-purpose streaming platforms.