**Project Synopsis**

**Title:**

CINE FILES

The **CINE FILES** is a web-based application that allows users to track, rate, and review movies they have watched. The website offers a seamless experience for movie enthusiasts to maintain a personal film diary, discover new movies, and engage with a community of cinephiles.

The platform is developed using **HTML, CSS, and JavaScript** for the frontend, with **SQL** handling the backend database. DevOps principles are incorporated to ensure **continuous integration, deployment, and monitoring**, making the application scalable, reliable, and maintainable.

**Scope of the Project:**

The application will:

* Allow users to **log movies** they have watched.
* Enable users to **rate and review movies**.
* Maintain a **personalized watchlist** for upcoming movies.
* Provide a **searchable movie database**.
* Generate **personalized movie recommendations** based on user preferences.
* Support **user authentication** for a personalized experience.
* Implement **CI/CD pipelines** for automated testing and deployment.
* Use **containerization (Docker)** for consistent application deployment.
* Monitor performance and logs using **DevOps tools**.

**Objectives:**

1. To develop a **user-friendly** movie tracking and review platform.
2. To implement a **secure SQL database** for storing movie records and user data.
3. To provide features for users to **log, rate, and review** movies.
4. To allow users to **create and manage watchlists**.
5. To ensure **responsive design** for accessibility across devices.
6. To integrate **DevOps principles** for enhanced deployment, monitoring, and automation.

**Resources Required:**

**Technology Stack:**

* **Frontend:** HTML, CSS, JavaScript
* **Backend:** SQL (for managing user data and movie logs)
* **Database:** SQL (for storing movie details, user logs, and reviews)
* **DevOps Tools:** Docker, GitHub Actions, Prometheus/Grafana