



MOVIEMANIAC

NoSQL project



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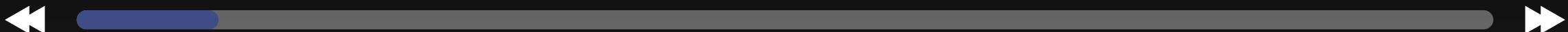
REACT

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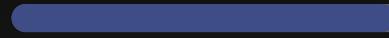




01

APPLICATION

REACT





MOVIEMANIAC

MyHome Movies Series Cast & Crew Recommendations MyLists WatchList MyFriends MyProfile

Hi, Mehdi El Maadoudi [Sign out](#)

Welcome

Find all your favorite movies & series

SEARCH MOVIES/SERIES

Sort & Filter

Search by title

La invasió dels bàrbars
2026 • Movie
★ 8.3

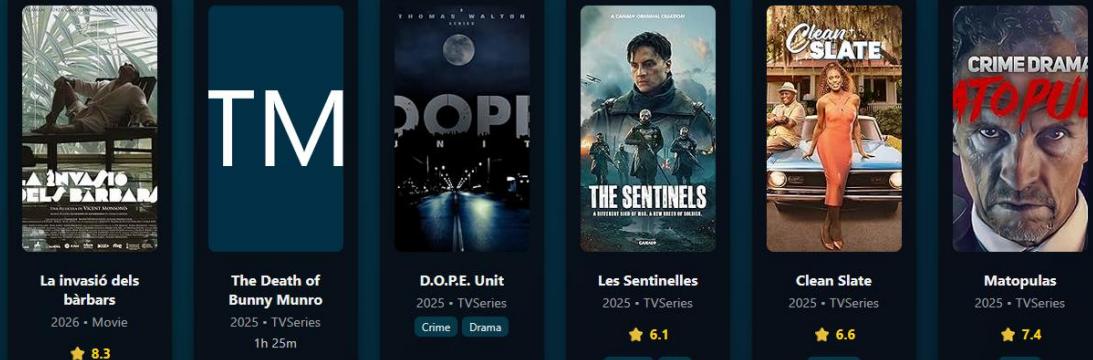
The Death of Bunny Munro
2025 • TVSeries
1h 25m

D.O.P.E. Unit
2025 • TVSeries
Crime Drama

Les Sentinelles
2025 • TVSeries
★ 6.1

Clean Slate
2025 • TVSeries
★ 6.6

Matopulas
2025 • TVSeries
★ 7.4



This image shows a screenshot of a movie and TV series database application called "MOVIEMANIAC". The interface has a dark blue background. At the top, there's a navigation bar with links like "MyHome", "Movies", "Series", etc., and a user profile section. Below the header is a large teal-colored callout box with the word "Welcome" and a placeholder text "Find all your favorite movies & series". Underneath, there's a search bar labeled "SEARCH MOVIES/SERIES" and a "Sort & Filter" button. A "SEARCH by title" input field is also present. The main content area displays six movie or TV series cards in a grid. Each card includes the title, release year, genre, runtime, and a star rating. The cards are: "La invasió dels bàrbars" (2026, Movie, ★ 8.3), "The Death of Bunny Munro" (2025, TVSeries, 1h 25m), "D.O.P.E. Unit" (2025, TVSeries, Crime Drama), "Les Sentinelles" (2025, TVSeries, ★ 6.1), "Clean Slate" (2025, TVSeries, ★ 6.6), and "Matopulas" (2025, TVSeries, ★ 7.4). The cards feature small thumbnail images and some have additional text like "A CANADA ORIGINAL CHAMONIX".





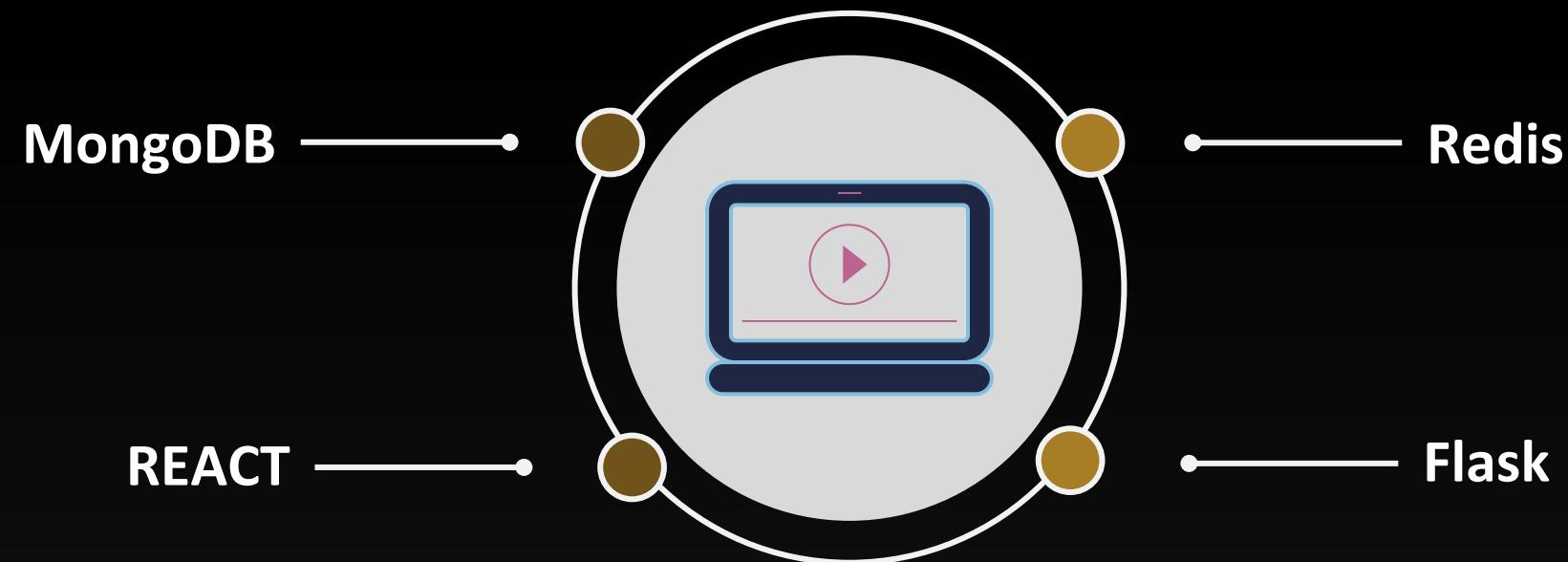
OVERVIEW 02

Data





Choice of Database





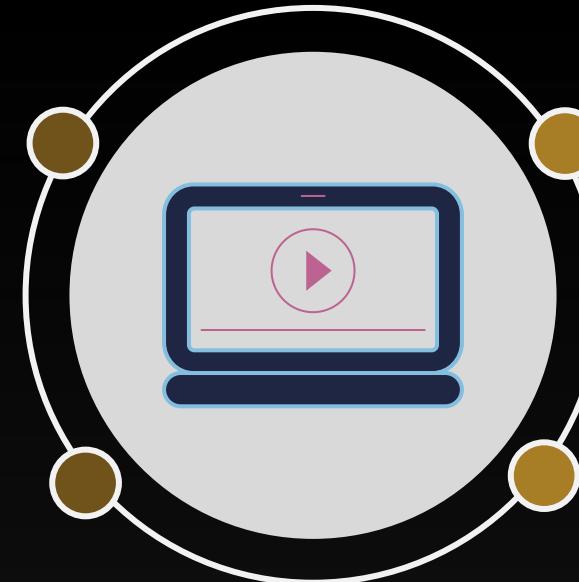
Other Databases

Document-based
e.g., Couchbase, Google Firestore, ArangoDB

Key-value stores
e.g., Redis, DynamoDB

Column-oriented stores
e.g., Cassandra, Bigtable, HBase

Graph databases
e.g., Neo4j, Neptune





Application Scaling



Horizontal scaling



Shards



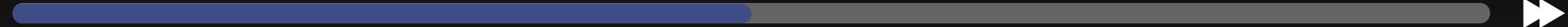
High availability



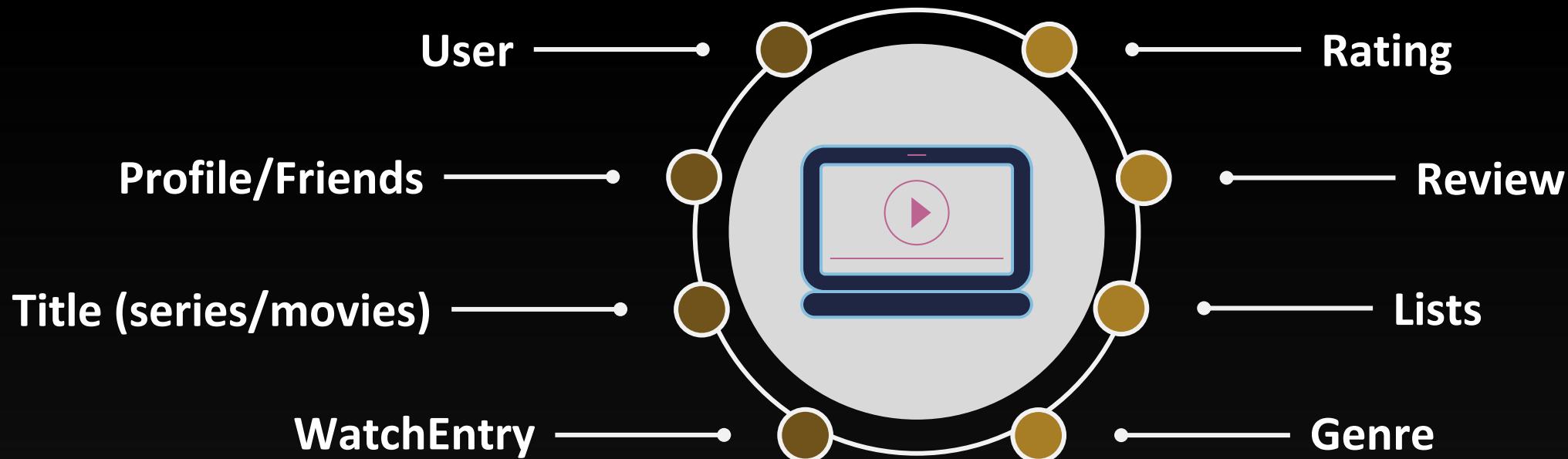
In-memory caching



Synchronization

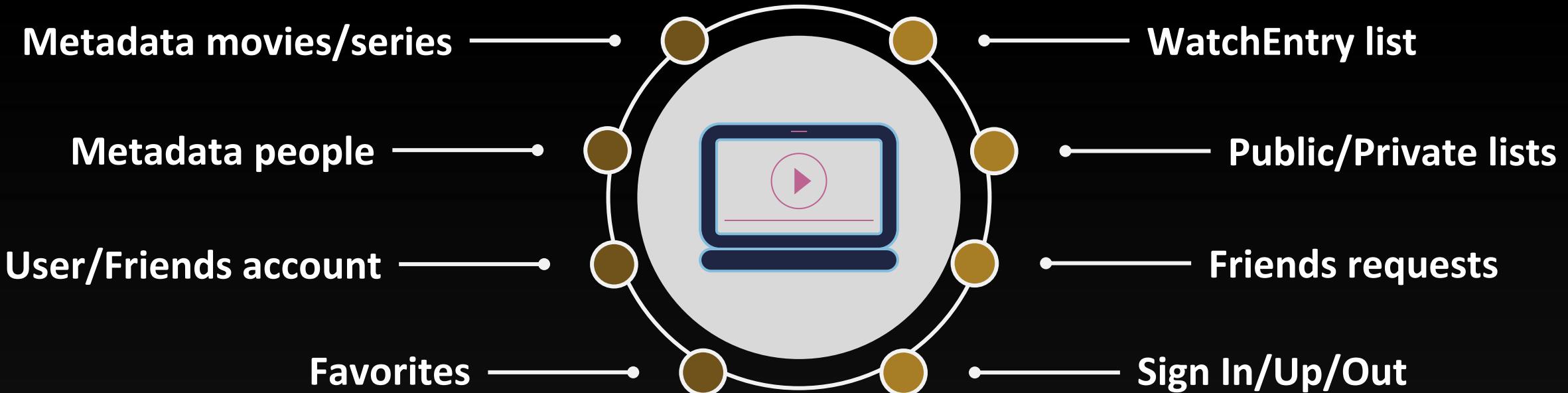


Data Schema





Data Schema - Added





03

CONCLUSION

Pros & Cons





THANKS!

Do you have any questions?



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