

NETCHILL & FLIX

Projet WEM | 19.06.2020
Ayrton Dumas, Marco Mattei, Samuel Torche

Introduction

MovieLens

Recommandation de films

Market Basket Analysis

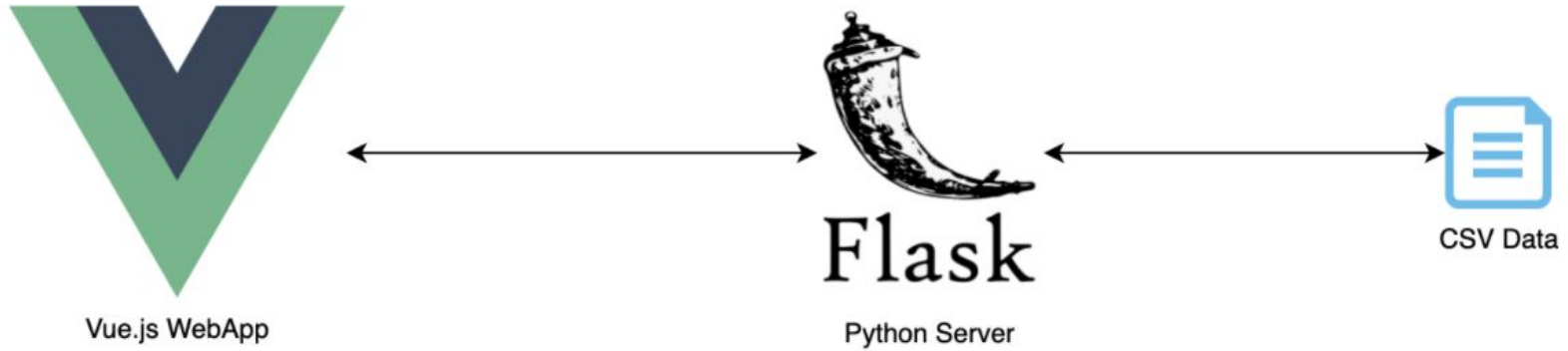
Web

Données

userId	movieId	rating	timestamp
1	1	4,00	964 982 703
1	3	4,00	964 981 247
1	6	4,00	964 982 224

movieId	title	genres
1	Toy Story (1995)	Adventure Animation Children Comedy Fantasy
2	Jumanji (1995)	Adventure Children Fantasy
3	Grumpier Old Men (1995)	Comedy Romance
4	Waiting to Exhale (1995)	Comedy Drama Romance
5	Father of the Bride Part II (1995)	Comedy
6	Heat (1995)	Action Crime Thriller

Architecture



MBA - Fpgrowth

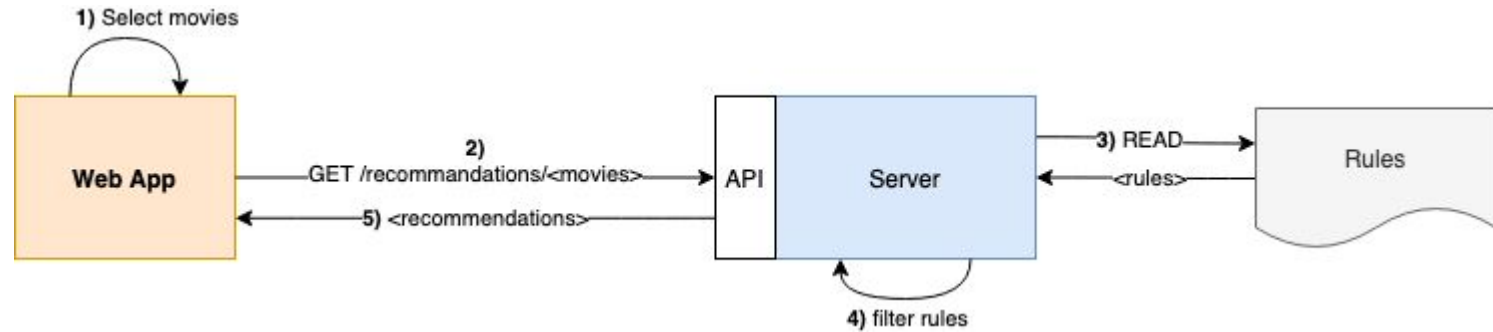
movielid	1	2	3	4	5	6	7	8	9	10	...	204692	204698	204704	205054	205072	205106	205413	205499	205557	206272
userid																					
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Preprocessing

Tuning

Taille des données -> utilisation d'un subset

Fonctionnement général



Démonstration

<http://localhost:8080/>

Conclusion

Petit dataset

Problème de mémoire

Blockbuster dans toutes les règles (Forrest gump, Pulp Fiction, etc)