ASCII Talk Milestone I



Tool Time Table

Talk2Task to communicate strict & static



• Cosine with "inverse user frequency" $f_i = log(n/n_j)$, where n is number of users, n_j is number of users voting for item j



Algorithms for Collaborative Filtering 1: CF Memory-Based Algorithms

$$w(a,i) = \frac{\sum_{j} f_{j} \sum_{j} f_{j} v_{a,j} v_{i,j} - (\sum_{j} f_{j} v_{a,j})(\sum_{j} f_{j} v_{i,j}))}{\sqrt{UV}}$$

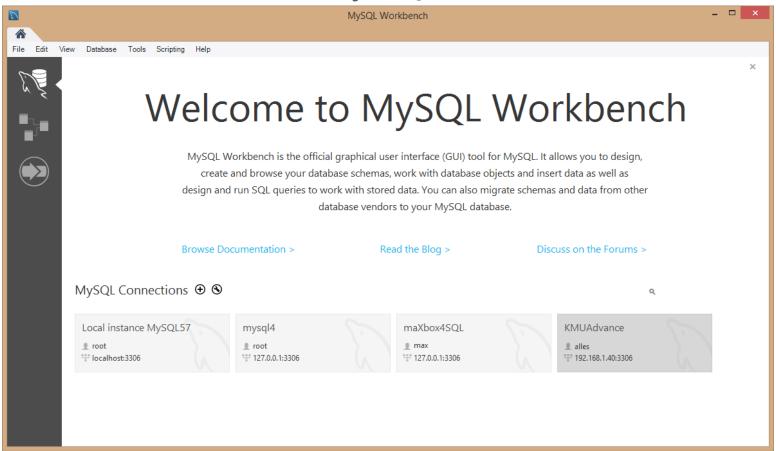
where

$$U = \sum_{j} f_{j} \left(\sum_{j} f_{j} v_{a,j}^{2} - \left(\sum_{j} f_{j} v_{a,j} \right)^{2} \right)$$

$$V = \sum_{i} f_{j} \left(\sum_{i} f_{j} v_{i,j}^{2} - \left(\sum_{i} f_{j} v_{i,j} \right)^{2} \right)$$



Goal: Techn Stack MySQL & Elasticsearch



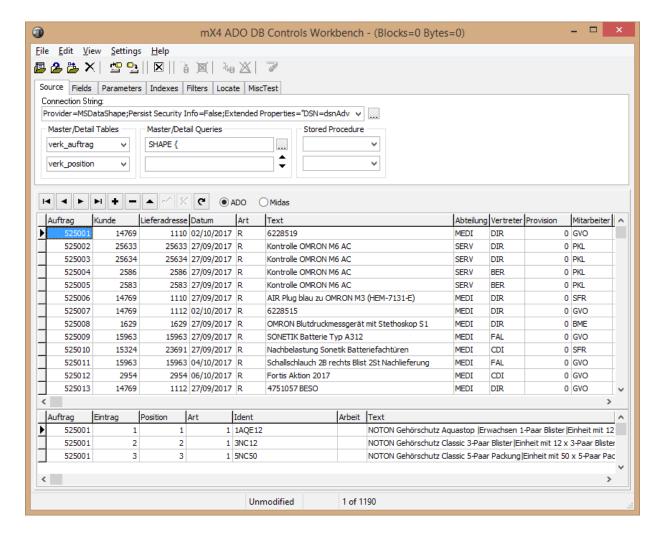


Technology (Method, Algos, Tools) Toolset

- •MSXML 6.0 or 4.0 MSXML6 is the latest MSXML product from Microsoft,
- SHAPE MS Data Access Components (MDAC) Software Development Kit (SDK).
- \circ maXbox4 Script Engine (4.2.8) \rightarrow ADO API
- OMySQL Workbench 6.3.9
- ADO.NET Data Sets → Client Data Sets CDS
- ○External Services → XML Mapper, XSLT, WinSCP

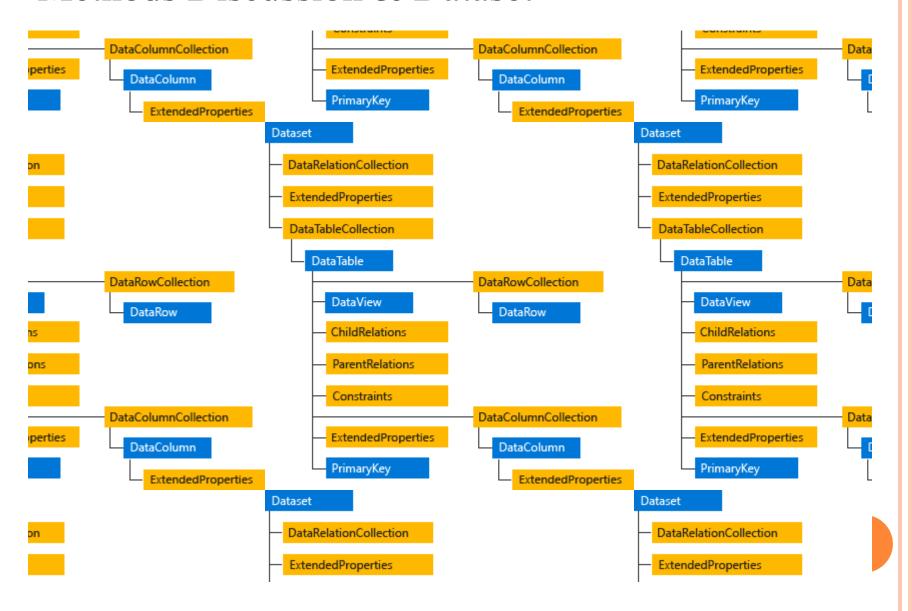


SHAPE Nested Datasets

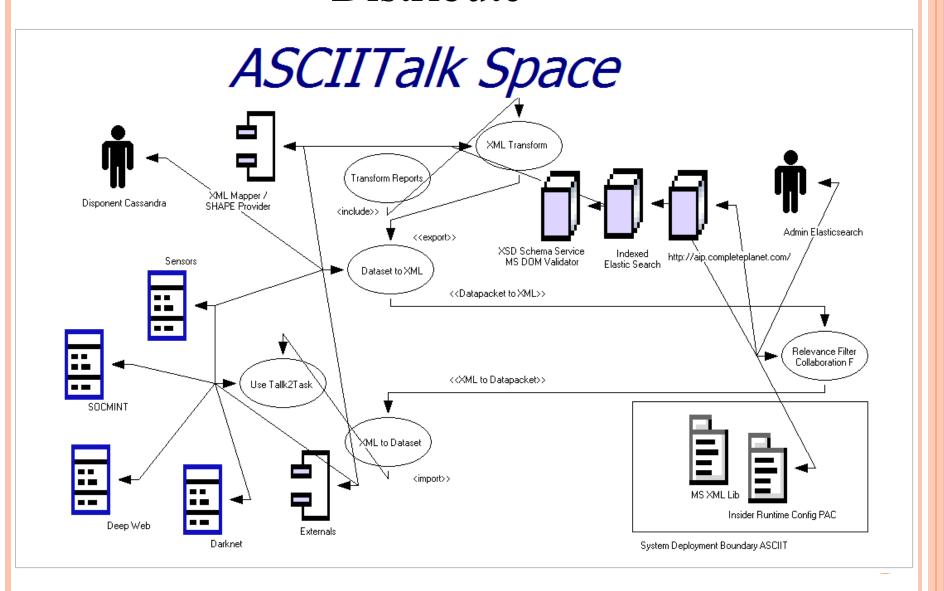




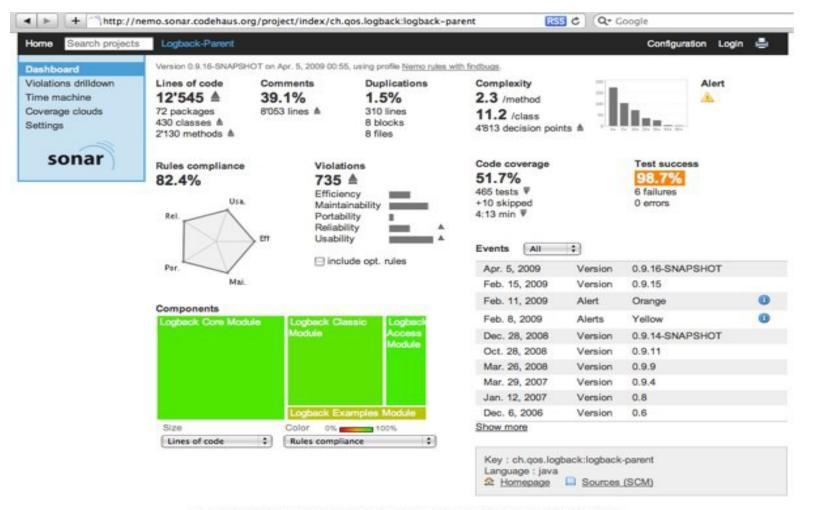
Methods Discussion & Dataset



Distribute



THE TEST OVERVIEW



Ruleset

Define a Ruleset to feed Toolset

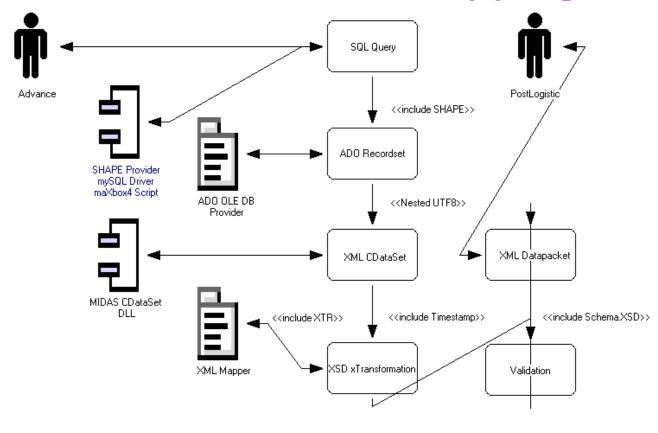
Event > [Condition] / [*]Action()

O UML Activity & State Events (Pipes & Filter)

- Cosine with "inverse user frequency" $f_i = log(n/n_j)$, where n is number of users, n_j is number of users voting for item j
 - As training data triples $(X_1, F_1, \Phi_1), ..., (X_m, F_m, \Phi_m)$, where each X is set of objects to order; F is set of "feature" orderings $f_1, ..., f_n$, and Φ is the desired ordering of X.



Flowchart XML Datamapping...





SUMMARY & QUESTIONS

- \circ Milestone I (mindset \rightarrow ruleset \rightarrow dataset)
- Technology & Mindset
- Possible Methods & Mapping
- Implementation
- Technology stack
- **OCF** Ruleset

https://maxbox4.wordpress.com/



