DOMAINMODEL.STREAM()

https://github.com/lesfurets/model-map

WELCOME TO THE FURETS !

@GDIGUGLI – GILLES DI GUGLIELMO

- Designer of sweet cooked software since 1999
- Software Architect at LesFurets.com

@M_GANDIN – MATHIEU GANDIN

- Ship code in production since 2000
- Tech lead at LesFurets.com

1 website, 5 Insurance Products : Car, Health, Home, Bike, Loan
1 codebase, 450k lines of code, 60k unit tests, 150 selenium tests

22 Developers, 2 DevOps, 3 Architects
19 production servers including Load balancers, Frontend, Backend, Databases, BI

1 release per day
7 years of code history

2.5M quotes/year, 31% of market share

MOVING THE ARCHITECTURE

WHAT YOU HAVE ...

Domain Entities JSON

Domain Entities Java Beans

Domain Relational Entities

Analytics Entities Java Beans

Analytics Relationa Entities

JavaScript Front App

JSON RPC

Front WebApp

ORM or SQL

Runtime DataBase

ORM or SQL

Batch ETL

ORM or SQL

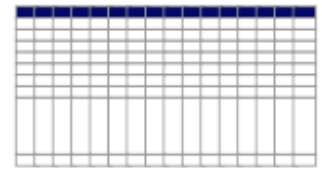
BackOffic DataBase

WHAT YOU WANT …

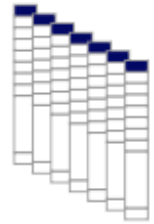
Key/Value
JSON
Dictionary

Domain Entities
Java Beans

Wide Columns
Model

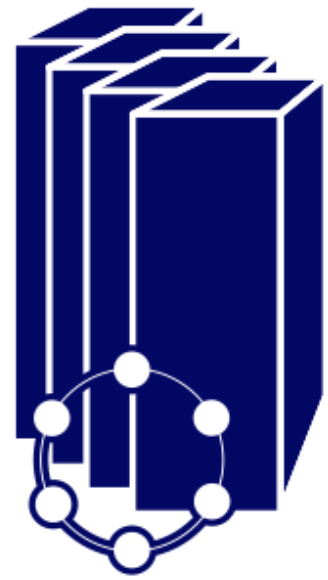


Analytics
Data Vecto



JavaScript
Front App

Front
WebApp

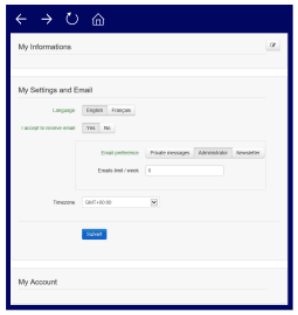


Cassandra
Cluster

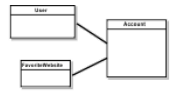
Data
Streaming
µ Batch

QUE FAIRE ...

WHAT WE DO NOW ?

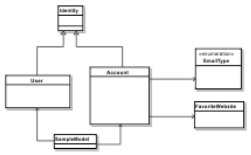


UI Forms

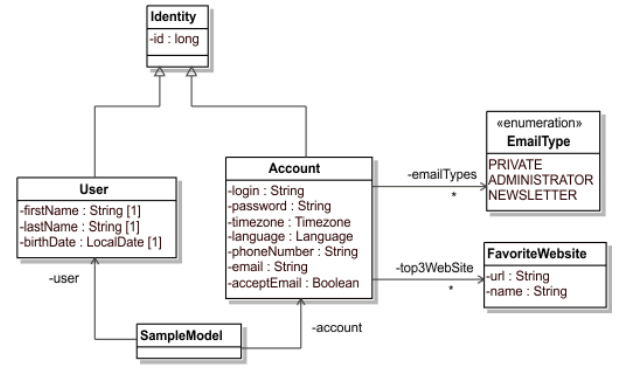


Domain
Relational
Entities

Analytics Entities
Java Beans



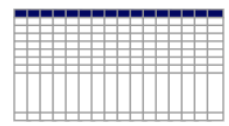
Domain Entities
JSON



Domain Model
Java Beans

Key/Value
JSON
Dictionary

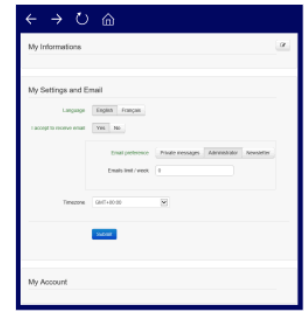
Analytics
Data Vector



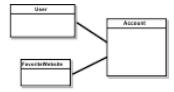
Wide Columns
Model

Analytics
Relational
Entities

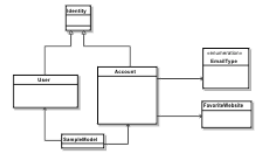
KEYING EVERYTHING !



UI Forms



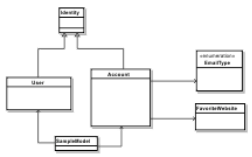
Domain
Relational
Entities



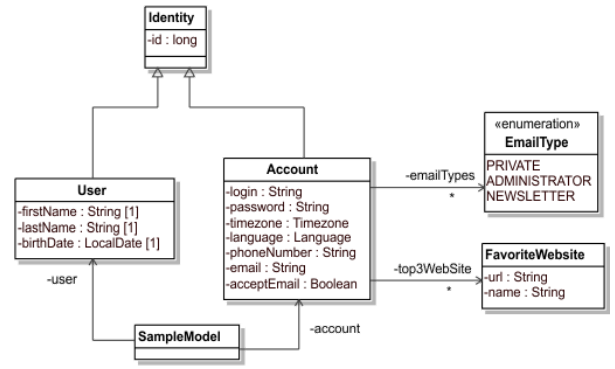
Analytics Entities
Java Beans

«enumeration»
SampleFieldId

USER_ID
FIRST_NAME
LAST_NAME
FULLNAME
BIRTHDATE
ACCOUNT_ID
EMAIL
LANGUAGE
TIMEZONE
PHONE_NUMBER
EMAIL_ACCEPTED
EMAILS_PREFERENCES
FAVORITE_SITE_NAME_1
FAVORITE_SITE_NAME_2
FAVORITE_SITE_NAME_3
FAVORITE_SITE_URL_1
FAVORITE_SITE_URL_2
FAVORITE_SITE_URL_3
LOGIN
PASSWORD



Domain Entities
JSON



Domain Model
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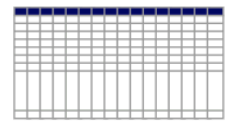
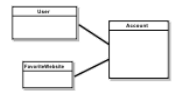


Wide Columns
Model



Analytics
Relational
Entities

A BIT OF LIVECODING

WE NEED A NEW NAME ?

- Model-Map is cool, keep it
- YAMF: Yet Another Mapping Framework
- OWKF: Obi Wan Kenobi Framework
- Submit your ideas

MODEL-MAP AVAILABLE ON GITHUB

- http://github.com/lesfurets/model-map
- Framework and examples

- Apache Licence
- Try it and contribute !

THANK YOU!