Getting started with GLORP

Tutorial: develop a Glorp model, realize it in a database, write and read its data, refactor it.

World Headquarters
Cincinnati, Ohio

Niall Ross
(Dirk Verleysen helped on tools,
Dave Wallen on testing)

SIMPLIFICATION THROUGH INNOVATION™

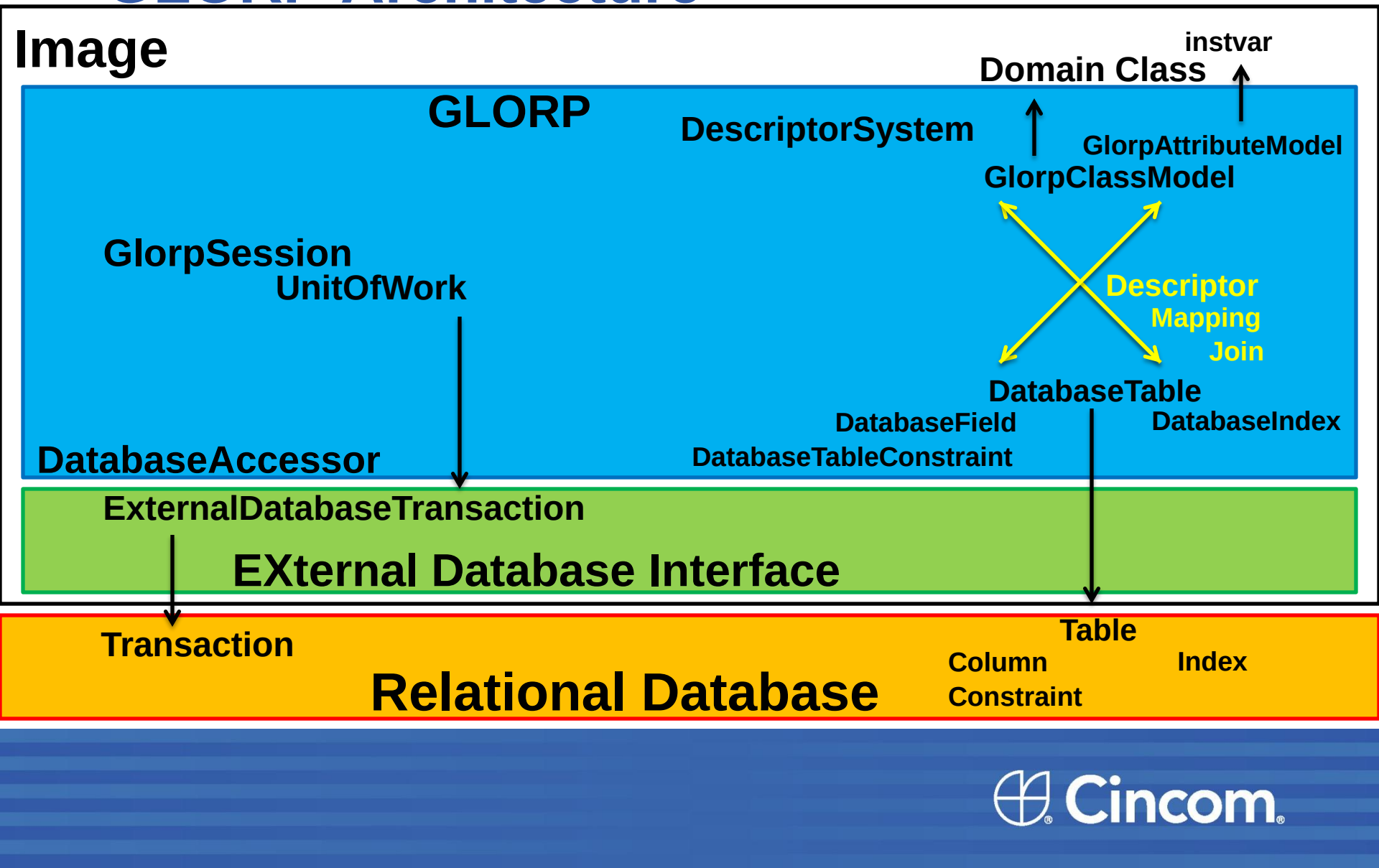
What is GLORP?

- Generic: abstract, declarative, multi-platform f/w
- Lightweight: looks like Smalltalk

  session read: Customer where: [:each | each orders size > 0]

- Object: general hierarchic OO models
  - no ActiveRecord-like style restriction
  - remains flexible *throughout* the lifecycle
- Relational: embedded or bound SQL
- Persistence: transactions, constraints, indexes

GLORP Architecture

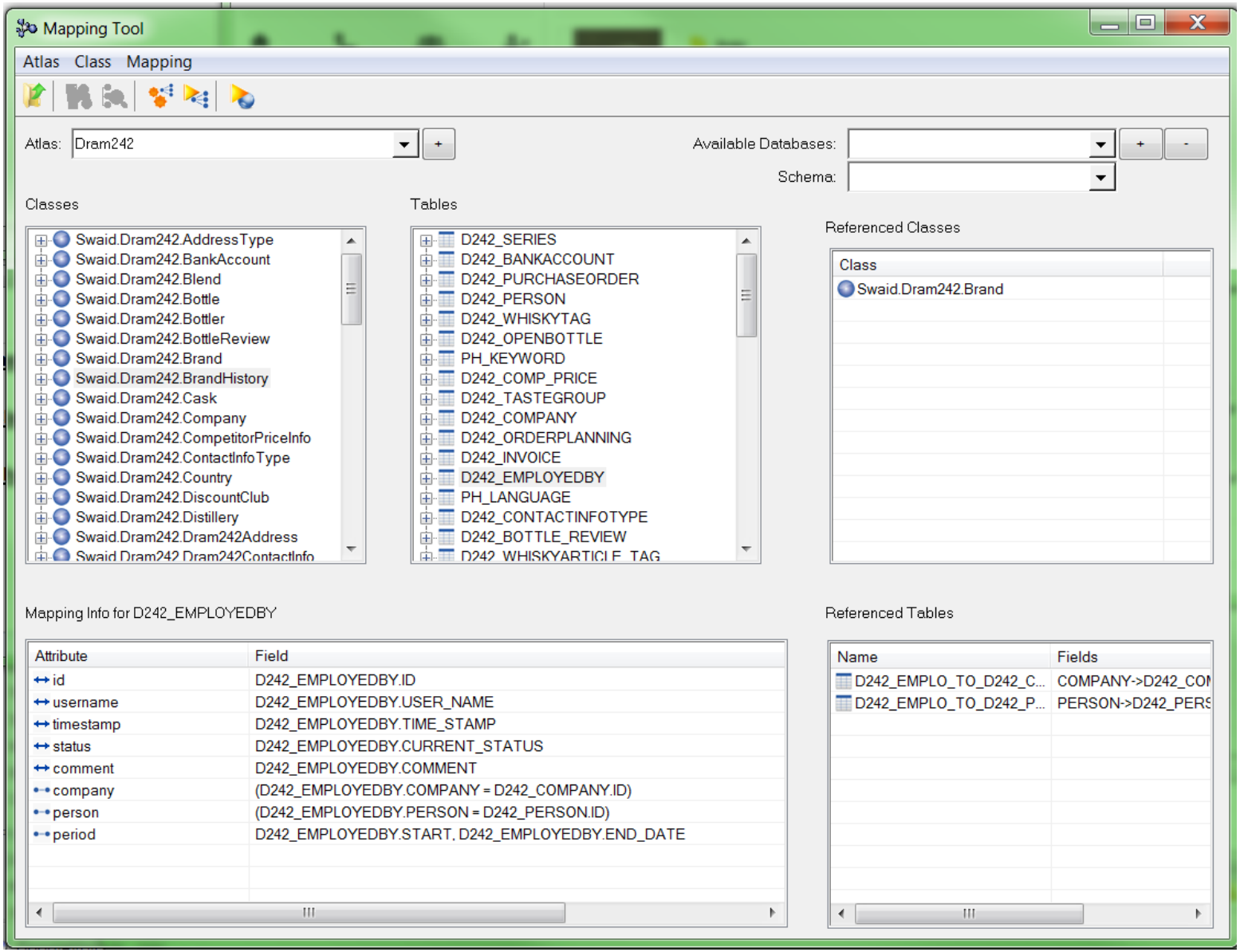


Cincom

The Demo System: a Whisky website

Glorp Documentation

- The Tutorial guide: (edit of) my GLORP talk last year
  - I will reference the slide(s) for each exercise
- Cincom docs
  - VisualWorks GlorpGuide.pdf – good, getting-started coverage
  - ObjectStudio MappingToolUsersGuide.pdf – great tool support
- Roger Whitney's GLORP Tutorial (www.eli.sdsu.edu/SmalltalkDocs/GlorpTutorial.pdf)
  - Good course on basic, and some not so basic, things
  - Old, needs updating – Glorp now has
    - terser syntax
    - more is handled automatically
    - additional features


Mapping Tool
Atlas Class Mapping
Atlas: Dram242
Available Databases:
Schema:
Classes
Swaid.Dram242.AddressType
Swaid.Dram242.BankAccount
Swaid.Dram242.Blend
Swaid.Dram242.Bottle
Swaid.Dram242.Bottler
Swaid.Dram242.BottleReview
Swaid.Dram242.Brand
Swaid.Dram242.BrandHistory
Swaid.Dram242.Cask
Swaid.Dram242.Company
Swaid.Dram242.CompetitorPriceInfo
Swaid.Dram242.ContactInfoType
Swaid.Dram242.Country
Swaid.Dram242.DiscountClub
Swaid.Dram242.Distillery
Swaid.Dram242.Dram242Address
Tables
D242_SERIES
D242_BANKACCOUNT
D242_PURCHASEORDER
D242_PERSON
D242_WHISKYTAG
D242_OPENBOTTLE
PH_KEYWORD
D242_COMP_PRICE
D242_TASTEGROUP
D242_COMPANY
D242_ORDERPLANNING
D242_INVOICE
D242_EMPLOYEDBY
PH_LANGUAGE
D242_CONTACTINFOTYPE
D242_BOTTLE_REVIEW
Referenced Classes
Class
Swaid.Dram242.Brand
Mapping Info for D242_EMPLOYEDBY
Attribute
Field
id
D242_EMPLOYEDBY.ID
username
D242_EMPLOYEDBY.USER_NAME
timestamp
D242_EMPLOYEDBY.TIME_STAMP
status
D242_EMPLOYEDBY.CURRENT_STATUS
comment
D242_EMPLOYEDBY.COMMENT
company
(D242_EMPLOYEDBY.COMPANY = D242_COMPANY.ID)
person
(D242_EMPLOYEDBY.PERSON = D242_PERSON.ID)
period
D242_EMPLOYEDBY.START, D242_EMPLOYEDBY.END_DATE
Referenced Tables
Name
Fields
D242_EMPLO_TO_D242_C...
COMPANY->D242_CO
D242_EMPLO_TO_D242_P...
PERSON->D242_PERS

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Contact info

- Glorp
  - nross@cincom.com
  - dwallen@cincom.com Glorp team
- Star Team (Smalltalk Strategic Resources)
  - sfortman@cincom.com Smalltalk Director
  - athomas@cincom.com Smalltalk Product Manager
  - jjordan@cincom.com Smalltalk Marketing Manager
- And for all your whisky needs, Dirk @ Dram 242 !

The GLORP doctor is IN