

Sistema de Gerenciamento de Workflows

MAC 499 – Trabalho de Formatura Supervisionado

Orientador: Prof. Dr. Alfredo Goldman

Carlos H. de Fernandes
Cleber Miranda Barbosa
Giuliano Mega
Pedro Losco Takecian

1

Motivação

Dentro de uma organização pessoas interagem entre si para executar um trabalho.

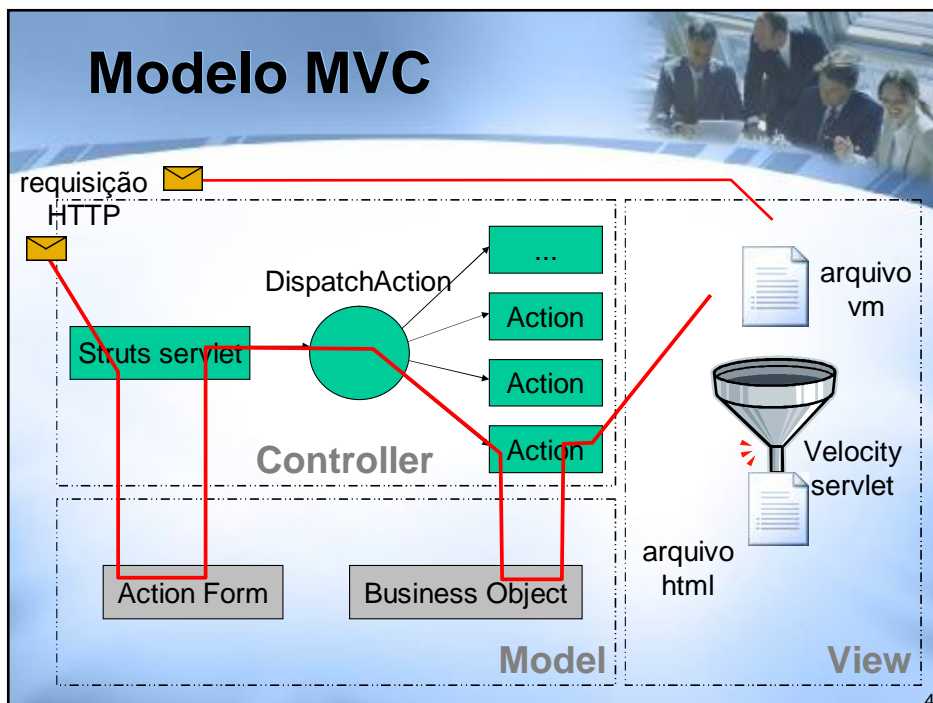


2

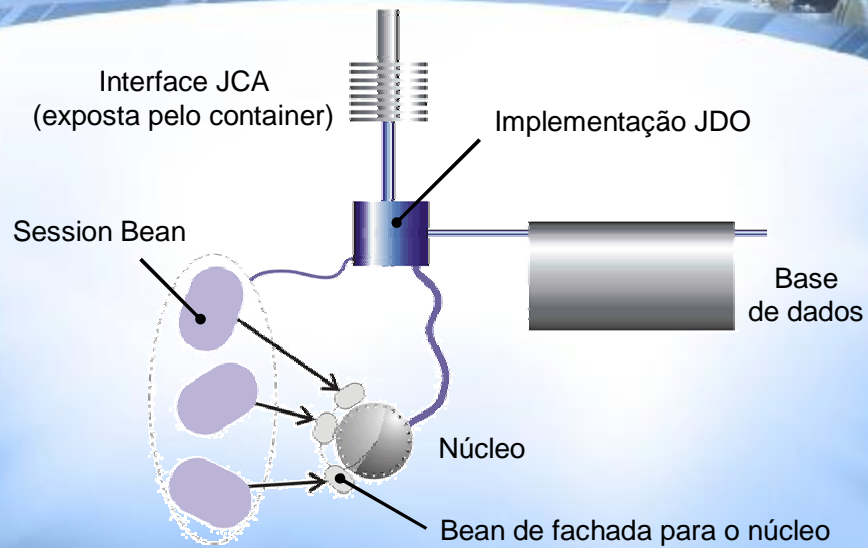
Ambiente Multicamadas



Modelo MVC



Servidor de Aplicação



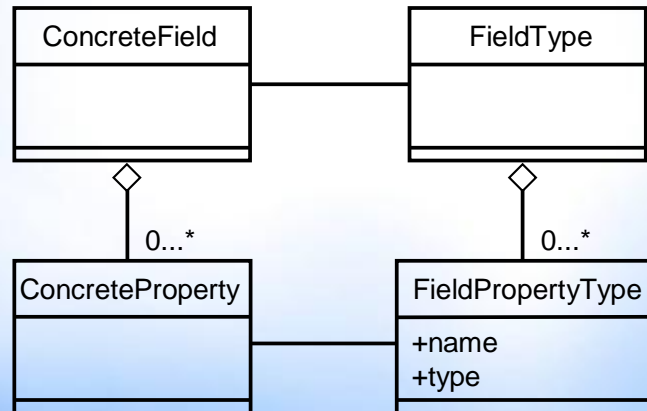
Padrões de Projeto

Alguns padrões utilizados:

- TypeSquare
 - Singleton
 - Strategy
 - Data Transfer Object (DTO)
 - EJBHomeFactory
 - ...
- 6

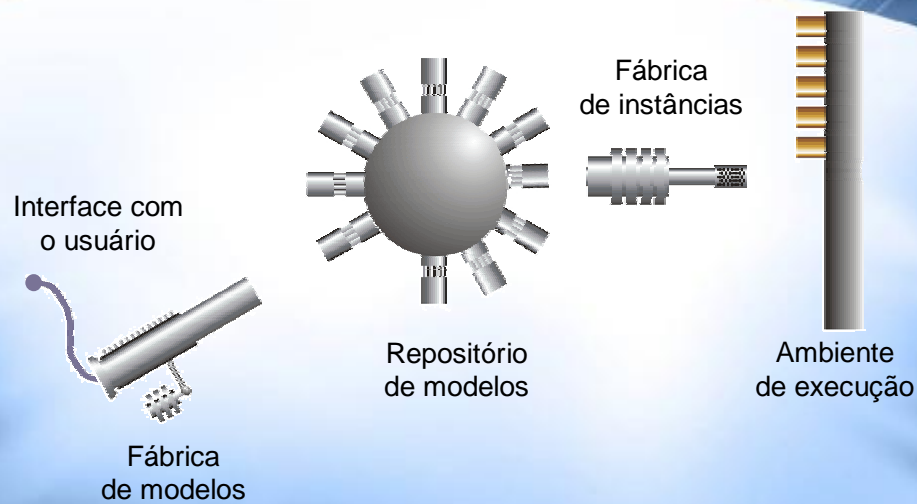
Padrão TypeSquare

- padrão extraído de AOMs (Adaptive Object Models)
- paradigma adaptativo: metaclasses + metadado



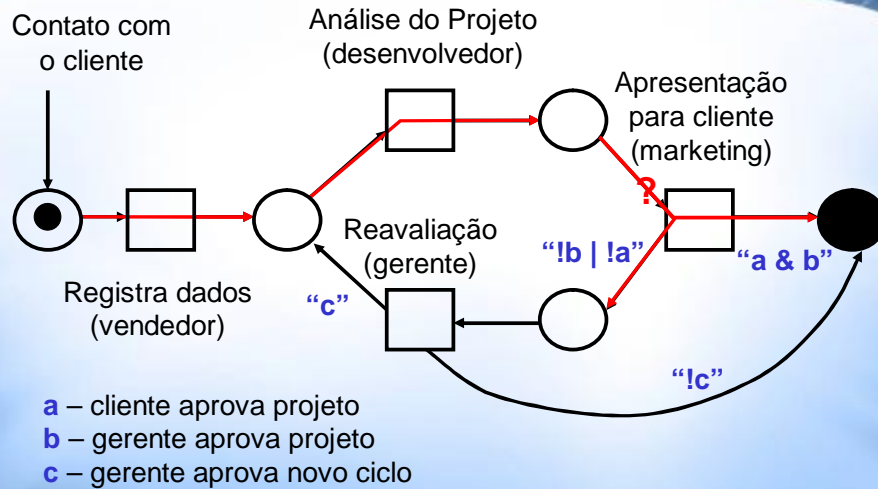
7

Dinâmica do Núcleo



8

Uma WF-net



9

Referências

- W.M.P. van der Aalst. *The Application of Petri Nets to Workflow Management*, 1998, em: http://tmitwww.tn.tue.nl/staff/wvdaalst/Petri_nets/petri_nets.html.
- ROOS, Robin M. *Java Data Objects*, Addison Wesley, 2003.
- MARINESCU, Floyd. *EJB Design Patterns*, John Wiley & Sons, Inc., 1999.
- W. YODER, Joseph e JOHNSON, Ralph. *The Adaptive Object-Model Architectural Style*, 2002, em: <http://www.adaptiveobjectmodel.com>.
- ROMAN, Ed, AMBLER, Scott e JEWELL, Tyler. *Mastering Enterprise JavaBeans*, 2002.

10