PRAGMATIC DEVELOPMENT IN .NET

MAKE YOUR .NET PROJECTS MORE SUCCESSFUL VIA FRAMEWORKS AND DESIGN PATTERNS; AND BY USING .NET MORE PRAGMATICALLY ...

A UNIQUE ONE-DAY SEMINAR PRESENTED BY SANDER HOOGENDOORN (ORDINA)

23 MARCH 2005 (14-21H), HOTEL SOFITEL BRUSSELS AIRPORT (DIEGEM)

I.T. WORKS™ RESEARCHED PRODUCED

FULL PROGRAMME:

13h30-14h00: *Registration, Coffee/Tea*

1. Requirements and use cases

- Modelling in UML
- What are use cases ?
- How do I design use cases ?
- Use cases as work units in projects

2. Application architecture

- N-tier application architectures
- A model n-tier architecture, illustrating:
  - The user interface
  - Use cases, tasks & how to implement them?
  - Business classes and factories: how to organize business logic ?
  - Data classes and databases. How to access the database.
- Development guide and scenarios for an application architecture in .NET

3. Efficient user interface development

- Modelling the user interface
- How to design generic UserControls? Generic menus. Singles and Lists.
- Avoiding URL's in code? Using page controllers.
- Routing requests with the router pattern.
- How do you bind DataSets to Controls and DataGrids in a pragmatic way? The plugin pattern.
- Controls on Pages or UserControls? The visitor pattern.
- Styling your web pages without writing code ? Dynamic styling using stylesheets.

4. Implementing Use Cases

- Application controllers. Use case implementation using tasks.
- The task pattern and the template method pattern
- A task's responsibilities
- Reusing use cases: task factories & generic tasks.

There is a *Dinner* around 17h30.

5. Business classes

- Where to put business logic ? An introduction to business classes.
- Commonly used patterns in business class development
- Domain model and table module
- The SMART factory pattern. Powerful business classes
- Static factories and business classes: how do they interoperate ? Template method revisited.
- How do business classes attain data. The identity pattern.

6. Data classes and the database

- DataSets as a means of transport for data.
- Generating primary keys: object identifiers, mechanisms and GUIDs.
- Useful extensions of datasets. Datatables, dataviews and datarows.
- How to implement data classes? What responsibilities do data classes have?
- Types of data classes and dynamic caching.
- The Query pattern. A utility for generating SQL statements.
- The StoredProcedure pattern and a utility.
- Connecting to databases dynamically
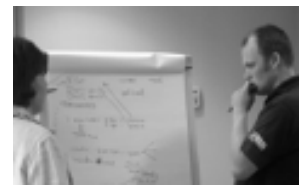- Performing updates without writing code

7. Organizing Namespaces

- How does application architecture relate to namespaces ?
- Namespaces and dependencies
- Useful metrics while organising namespaces
- How to avoid circular dependencies between namespaces ?

21h00: *End of this Seminar*

Presented by Sander Hoogendoorn (Partner at Ordina)

Microsoft .NET is the fastest growing development architecture of this moment and probably for some years to come. Gartner estimates that in 2005 40% of all projects will be done with .NET. Sander Hoogendoorn has started using and exploring .NET from its early days. Based on his experiences in the very first .NET-projects in the Netherlands, he has collected a broad collection of principles, patterns and best practices. This seminar is full of patterns from Gamma and Fowler, and from Sander's own book "Pragmatisch Modelleren met UML 2.0" (in Dutch).

WHO SHOULD ATTEND THIS ?

This inspiring seminar is mainly aimed at *software architects, designers, senior developers and framework developers*. It is not about the .NET technology, but about *how to use it in a pragmatic way in your projects*. It offers many useful ideas that you can use in your company to develop (Web) applications *more effectively, more cleanly,* and *more productively*.

PRICE OF THIS SEMINAR:

The price of this seminar is *480 EUR (+ 21 % VAT)*, incl. participation to the seminar, handouts, dinner, coffee/tea, and a lot of background information on the pragmatic use of .NET.

DISCOUNTS:

For *simultaneous registrations (one invoice)*, the 2nd participant of the same company receives *10 %*, the 3rd *20 %* and all further participants *30 % discount*. A 20 % discount is given to participants from schools and universities.

CANCELLATION:

Cancellation is possible up to 1 week before the seminar, if received in writing. In this case, 20 % of the total amount is charged for administration. Otherwise, the full registration fee is due, *regardless of the reason of cancellation*. Of course, *replacement* is possible at no extra charge.

REGISTRATION FORM

Fax to: (09) 241.56.56 or backup fax (09) 220.34.57 - Questions ? Call (09) 241.56.13 or Email seminars@itworks.be

❏ Mr. / ❏ Mrs.

Name: _____ First Name: _____

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Agrees with the seminar conditions, and registers for:

Pragmatic Development in .NET (23 March 2005)

Please send the invoice for 480 EUR (+21% VAT) to my:

❏ Company Address
❏ Personal Address: _____

Extra info for the invoice (e.g. PO number): _____

Date _____ Signature _____

Please complete and return this form by mail or fax to: I.T. Works, Innovation Center, Technologiepark 3, 9052 Gent, *fax: (09) 241.56.56 or (09) 220.34.57*. After receipt of the registration form, you will automatically receive a confirmation, invoice and a detailed access plan.

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