Component Based Approach Intro

JSF Slides #1

Abstract Away the Net

Vy can't we just abstract away the fact that we're programming web applications?
- Program like ordinary desktop applications
- Using GUI components and listeners as we're used to (Swing for the Web)
- Avoiding multi technique applications

Ideas...?

Component Based Approach

Basic ideas is to emulate desktop programming

- Do "all" programming as server side programming (GUI also) in familiar language
- Let GUI live as a component tree (tree of objects) on server side (one for each unique client so must have unique id)
- Translate to HTML (CSS, JS) and send to client for rendering
- Incoming requests routed to clients tree for updates of values, calls to listeners, application processing, … then sent to client

Java Server Faces

Java Server Faces (JSF) is one Java implementation of the basic idea
- Reference implementation Mojarra
- Not fully abstracting away …
- "ASP-things" are a similar implementation(s) from Microsoft

NetBeans and JSF

Have to add JSF as framework (at project creation or later)
- Properties > Frameworks > Add …

There are frameworks built on top of JSF to be continued…