



Eclipse JavaServer Faces Tooling Project Proposal

Creation Review – August 26, 2005

August 18, 2005

Overview

- Proposal Summary
 - Brief summary of the project proposal including Scope of the project
- Community feedback
 - Community response to the proposal
- Participants
 - Current project participants, Initial Team assignments
- Milestones
 - Tentative

Proposal Summary

- Introduction

- JavaServer Faces (JSF) is a server-side user interface component framework for Java-based web applications. JSF has become a popular technology that is increasingly used in building Web applications.

- Goal

- Build extensible frameworks and tools that support the full life cycle of building a JSF-based web application

Proposal Summary (cont.)

- Scope Overview
 - Support development of the JSF Application Configuration Resource.
 - Enhance support for development of the JSF JSP pages with JSF specific features
 - Wizards for creating JSF artifacts including JSF JSP Page, Application Configuration Resource file, JSF Projects
 - Support for registering JSF implementations and managing JSF Components used in a workspace
 - Extensible framework to enable other vendors to enhance support including extensions for creating and editing JSF artifacts, registering JSF components and their implementations.
 - Create EMF model for Application Configuration Resource File and JSF JSP Page

Proposal Summary (cont.)

- Scope Details
 - Editors
 - Multi-page Application Configuration Resource File Editor
 - Visual Navigation Rules Diagram Page with drag-and-drop support from palette
 - Multi-page JSF JSP Page Editor
 - Source Page with JSF-specific content assist
 - Graphical design page (later milestone)
 - Extensions include custom Properties View for components
 - Wizards
 - JSF Project Creation Wizard – configure Web projects
 - JSF JSP Creation Wizard - use templates
 - Application Configuration Resource and related artifacts Creation Wizard

Proposal Summary (cont.)

- Scope Details
 - Management Features
 - Registry of JSF implementations
 - Component Manager
 - Set Project Build Classpath
 - Preferences
 - Model/API Features
 - Use existing or create new EMF models for (at least) the following: Application Configuration Resource File, JSP Page, JSF JSP Page, Tag Library Descriptor
 - Other features
 - Use Eclipse Quick Fix Functionality to Create Managed Beans
 - Content Assist for Expression Language (EL)

Proposal Summary (cont.)

- Scope Details
 - Extension Points
 - Application Configuration Resource File Editor
 - Add custom pages
 - JSF JSP Page Editor
 - Allow specialized cell editors in Properties view
 - Wizards
 - Add custom Pages
 - Management Features
 - Vendor plugins can register JSF Implementations and Components
 - Model/API
 - Provide custom generators for artifacts including JSF JSP Page, Application Configuration Resource, Managed bean

Proposal Summary (cont.)

- Out of Scope
 - Component designer
 - This project will focus on JSF usage and not component creation .
 - Support for Shale,Tiles.
 - A developer should be able to extend this project to create these kinds of tools. Our goal is to provide a platform that other projects can extend, e.g. a Tiles project.
 - Design time Meta-data to help generate JSF artifacts
- Relationship to Other Eclipse Projects
 - The JSF Tooling Project will leverage the following Eclipse Projects
 - JDT (Java Development Tools)
 - WTP/WST (Web Standard Tools)
 - WTP/JST (J2EE Standard Tools)
 - GEF (Graphical Editing Framework)

Community feedback

- BEA, IBM and Exadel have confirmed support for the proposal.
- Sampling of feedback from community on the proposal:
 - Graphical Page Designer is a resource consuming feature and should be planned for a later milestone.
 - Provide Model and associated API's to manipulate JSF artifacts programmatically
 - JSF page creation should, optionally, allow for creating the backing bean. Provide support for refactoring of the backing bean.
 - Add a feature to manage components in a project
 - Add support for Shale/Tiles
 - Add support for EMF based JSF Page generation

Participants

- BEA
 - Will help in defining the features
 - No development resource committed for the Project.
- Exadel
 - Plan to contribute code
 - Plan to allocate development resources to work on the project.
- IBM
 - Will help in defining the features.
 - No development resource committed for the Project.
- Oracle
 - Project Leadership
 - Additional 3 full-time development resources to work on the Project

Initial Team

- **Project Lead**
 - Raghu Srinivasan - Oracle
- **Committers**
 - Ian Trimble - Oracle
 - Gerry Kessler - Oracle
 - Raghu Srinivasan - Oracle
 - Igor Shabalov - Exadel
- **Developers**
 - Justin Chen - Oracle
- **Participants**
 - John Rohrlich - BEA
 - Tim Wagner - BEA
 - Igor Shabalov - Exadel
 - George DeCandio - IBM
 - Arthur Ryman - IBM

Milestones

- Milestone 1
 - Support development of JSF Application Configuration Resources
 - Define Model and API, Source Editor
 - Support development of JSF JSP Page
 - Provide JSF JSP Model
 - Wizards
 - JSF Project Wizard
- Milestone 2
 - Support development of JSF Application Configuration Resources
 - Visual Navigation Rules Diagram Page with drag-and-drop support from palette
 - Support development of JSF JSP Page
 - Source Editor with content assist
 - Wizards
 - JSF JSP Page Creation Wizard - use templates
 - Application Configuration Resource and related artifacts Creation Wizard



Milestones (cont.)

- Milestone 3
 - Management Features
 - Registry of JSF implementations
 - Component Manager
 - Set Project Build Classpath
 - Preferences

- Milestone 4
 - Graphical Page Designer

Questions?