

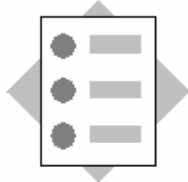
# Internationalization

## Exercise



**Chapter: Internationalization**

**Theme: Developing International Web Dynpro Applications**



At the end of this Exercise, you are able to:

- Internationalize Web Dynpro applications.
- Create simple types that contain the interface texts.
- Save and read language-specific texts into/from a message pool.

### 1 Development Objectives

#### *Internationalization*

A central aspect of internationalization is the translatability of the texts that are displayed on the user interface. For this reason, an international application must not contain any language-specific text elements in its source code. You must define these texts in the Message Editor.

To make the translation process smoother, we recommend that you store any frequently used language-specific texts that you have defined in the Layout editor, such as labels or table headers, in Simple Types.

This exercise deals with the following language-specific texts:

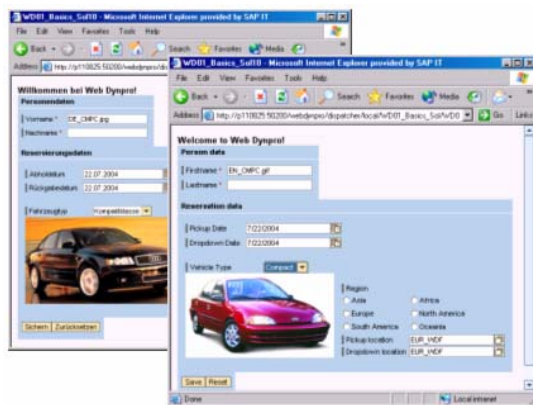
- Language-specific resources that you define at design time in the SAP NetWeaver Developer Studio, such as the following
  - Labels for interface elements
  - Error messages
- Language-specific resources that you use dynamically in the source code

Text elements, that are created at design time are isolated and grouped automatically in \*.xlf files bthe Web Dynpro framework.

In this exercise, the task is to develop an international Web Dynpro application that is available in English and German. You will add language-specific resources to a predefined application and learn about the most important aspects of developing international Web Dynpro applications.

Note: Web Dynpro is not currently linked to a SAP translation system that can extract the automatically generated \*.xlf files and imports them into an existing R/3-based translation system. For this reason, the following procedure includes a workaround for the internationalization and translation of the application.

## 2 Result



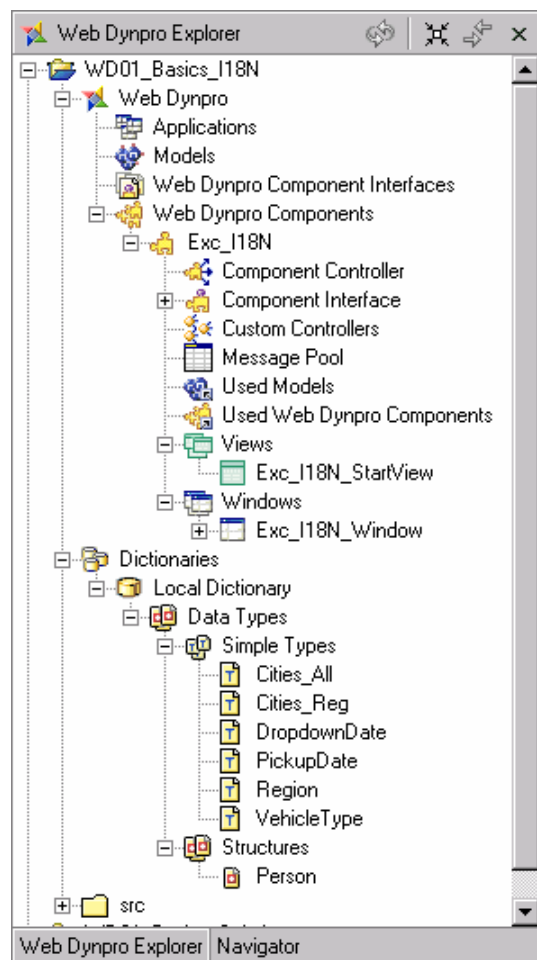
At the end of this exercise, you can execute the Web Dynpro application in different languages.

## 3 Prerequisites

You have launched the SAP NetWeaver Developer Studio.

You have selected the Web Dynpro perspective.

You have opened the project *WD01\_Basics\_I18N*.



For your convenience, you can start developing with a predefined view.

Expand the node *Exc\_I18N*.

The graphic on the left shows the predefined project structure of this exercise.

## **4 Overview: Developing**

- 4-1 Translate the default Text Resources into German (or other Languages).
  - 4-1-1 Copy the *.xlf* files and rename them (add “\_de” (ISO Code for Germany) before “.xlf”)
  - 4-1-2 Translate the “\_de.xlf” files.
- 4-2 Reload the project in SAP NetWeaver Developer Studio and recreate the archive.
- 4-3 Create the Web Dynpro application *WD01\_Basics\_I18N*.
- 4-4 Define language-specific application properties

## **5 Overview: Building, Deploying, and Running**

- 5-1 Deploy and run the Web Dynpro application
- 5-2 Make language settings in the web browser.