

NaturalONE

Travel Approval Sample Application

Version 8.2.7

March 2013

This document applies to NaturalONE Version 8.2.7.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 Travel Approval Sample Application

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About the Sample Application

This tutorial explains how to use the travel approval sample application.

The Travel Support System (this is the name that you can see on the screen when executing the application) is a small sample application for NaturalONE. As a sample application, its focus is to show NaturalONE functionality rather than being a full-fledged travel support application.

The Travel Support System (TSS) allows you to request and approve business trips. Flights, hotels and even more external information such as cell phone expenses or car rentals can be entered with the trip request. For the destination, weather information can be queried. A manager can do both, request own trips as well as approve trips that have been requested by employees. After the manager has approved single or multiple requests, the manager can print an itinerary or receive the itinerary as a PDF file.

Prerequisites

In order to use the sample application, Adabas Version 6.1.9 or above must be installed.

Installing the Sample Application

When you start NaturalONE for the very first time, you will see a so-called “Welcome” page. If this page is not visible, you can open it as described below. See also *Starting NaturalONE*.

Before installing the sample application, open the Natural perspective and wait until the startup of the local Tomcat server has completed. In the **Console** view, you can keep track of the Tomcat status.

▶ To start the sample application

- 1 From the **Help** menu of Eclipse, choose **Welcome**.

The welcome page appears.




- 2 Click on **Samples** which is shown at the bottom of the welcome page.


The **Samples** page appears.


- 3 Scroll down until you see the following:

NaturalONE
Learn more about NaturalONE by installing prefabricated samples in your workspace. A sample will be installed by clicking on the corresponding link.

Note: Before installing a sample, please open the NaturalONE perspective and wait until the startup of the local Tomcat server has completed. In the Tomcat console, you can keep track of the Tomcat status.

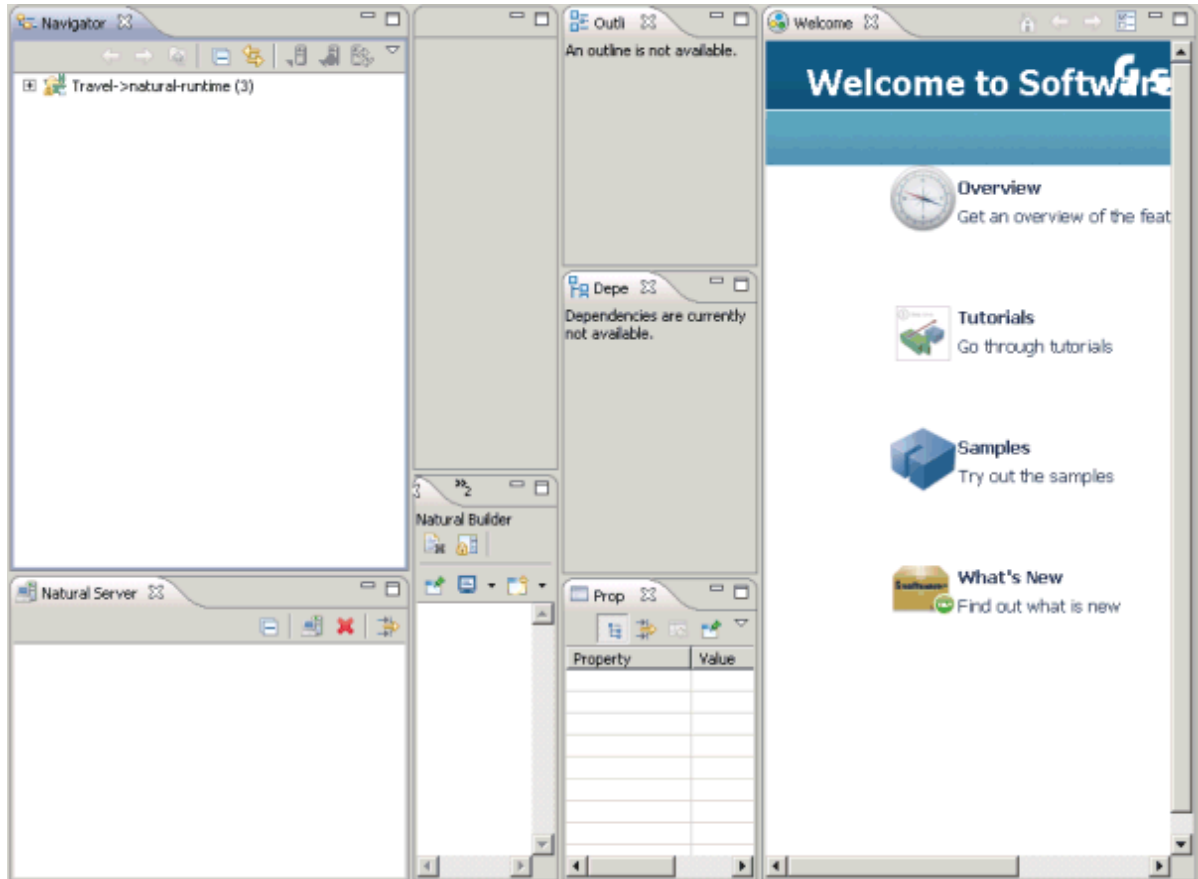
 **Hello World application**
This sample demonstrates a Natural project implementing a Hello World application by using Natural for Ajax.

 **Travel Approval application**
This sample demonstrates a Natural project implementing a business travel approval application by using Adabas and web services.

 **Database access application**
This sample demonstrates a Natural project which implements database access to MySQL and Adabas. It also demonstrates how to access a CSV file.

- 4 To install the travel approval application, click either on the title of the sample or on the icon to the left of the title.

The sample application is copied to your workspace. The **Navigator** view is automatically shown, containing the sample application as a new project.



- 5 To get more space for the views of the Natural perspective, close the welcome page.

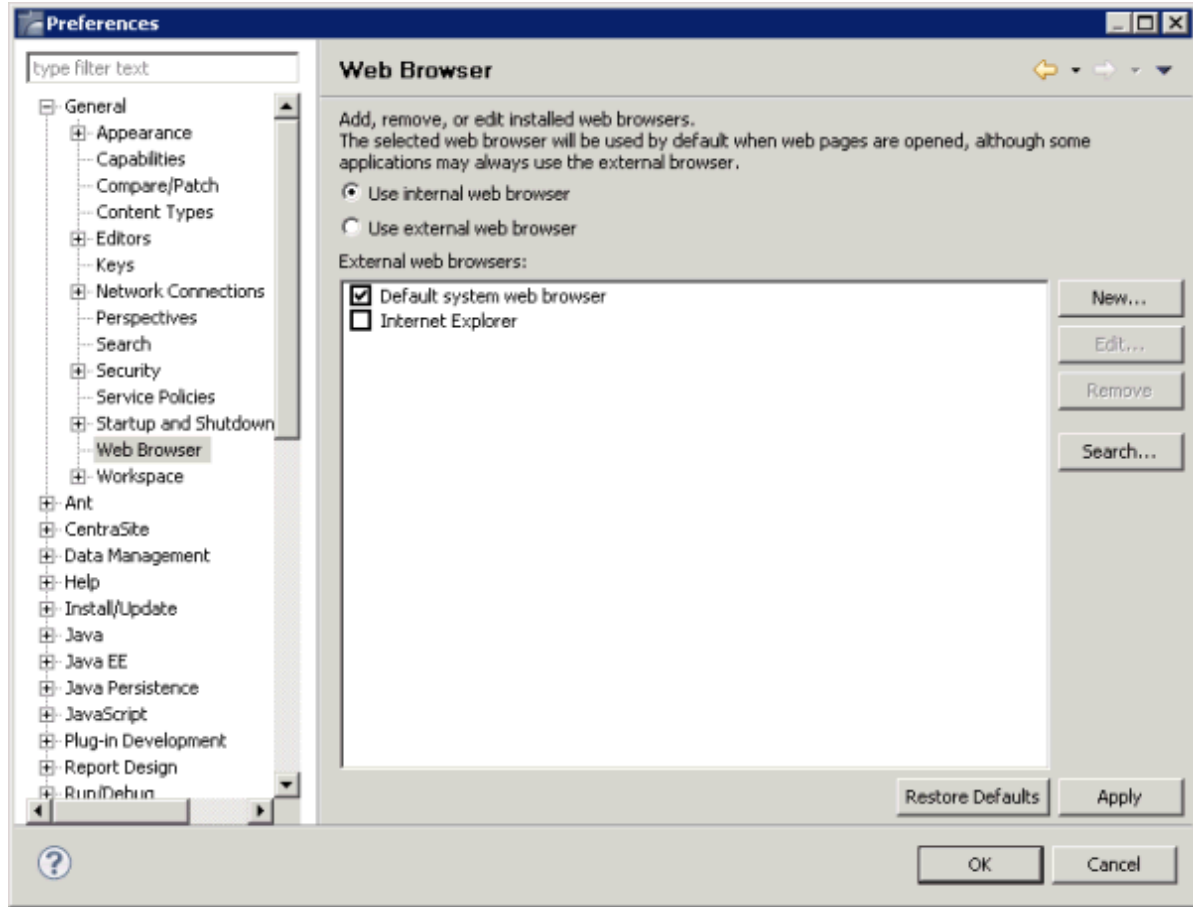
Defining the Use of an External Web Browser

You will now make sure that the sample application is executed in an external web browser and not in the internal web browser.

▶ To define the use an external web browser

- 1 From the **Window** menu, choose **Preferences**.
- 2 Expand the **General** node and select **Web Browser**.

The following page appears.



- 3 Select the **Use external web browser** option button and choose the **OK** button.

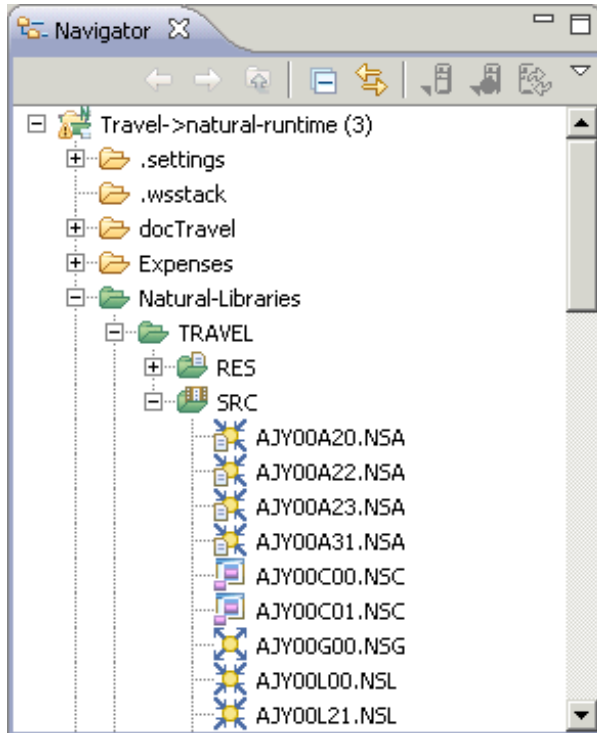
Starting the Sample Application

You start the sample application by executing the program `LOGIN.NSP` in the `TRAVEL` library.

▶ To start the sample application

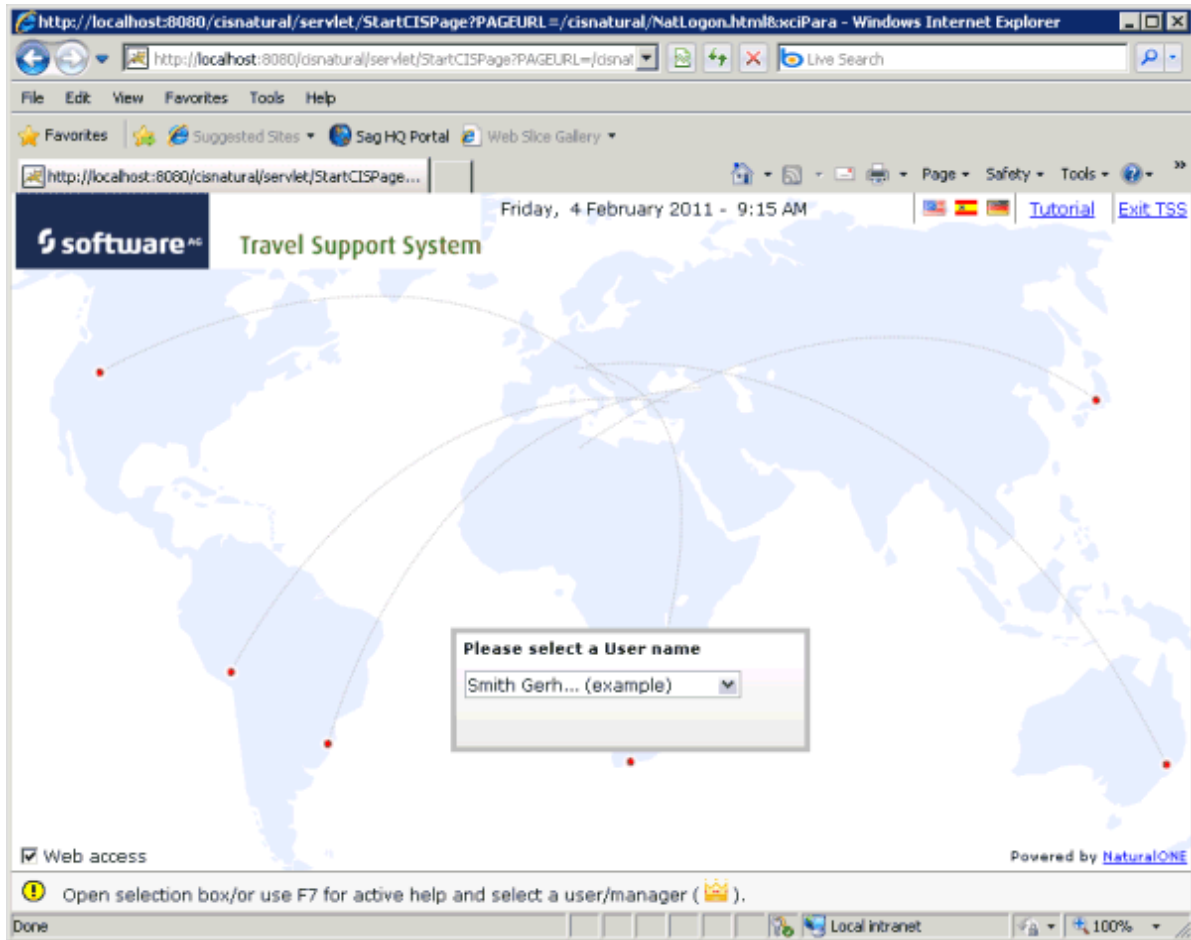
- 1 In the **Navigator** view, click on the plus (+) sign next to the project name **Travel->natural-runtime (3)** to expand the tree.
- 2 Expand the tree further by clicking on the plus (+) signs next to the following node names:
 1. **Natural-Libraries**
 2. **TRAVEL**
 3. **SRC**

The tree should now look as follows:



- 3 Scroll down until you see the program name LOGIN.NSP.
- 4 Select LOGIN.NSP, invoke the context menu and choose **NaturalONE > Execute**.

The sample application is executed. Since you have specified so in the preferences, it is executed in an external browser window.



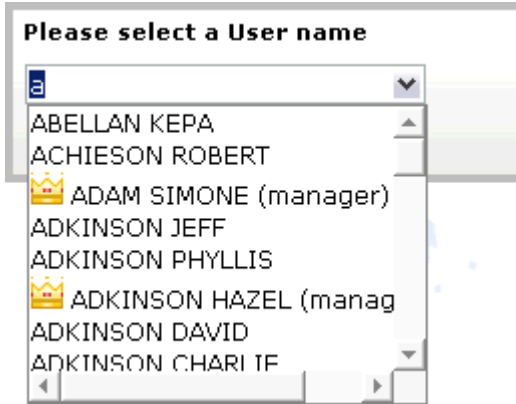
Logging in as an Employee for Requesting a Business Trip

You will now log in as an employee (with limited rights) and request a business trip.

► To log in as an employee

- 1 In the **Please select a User name** dialog, type "A" over the name that is currently shown in the drop-down list box.

The drop-down list box opens, displaying the names of all employees and managers which start with the letter "A". This information comes from the Adabas demo database.

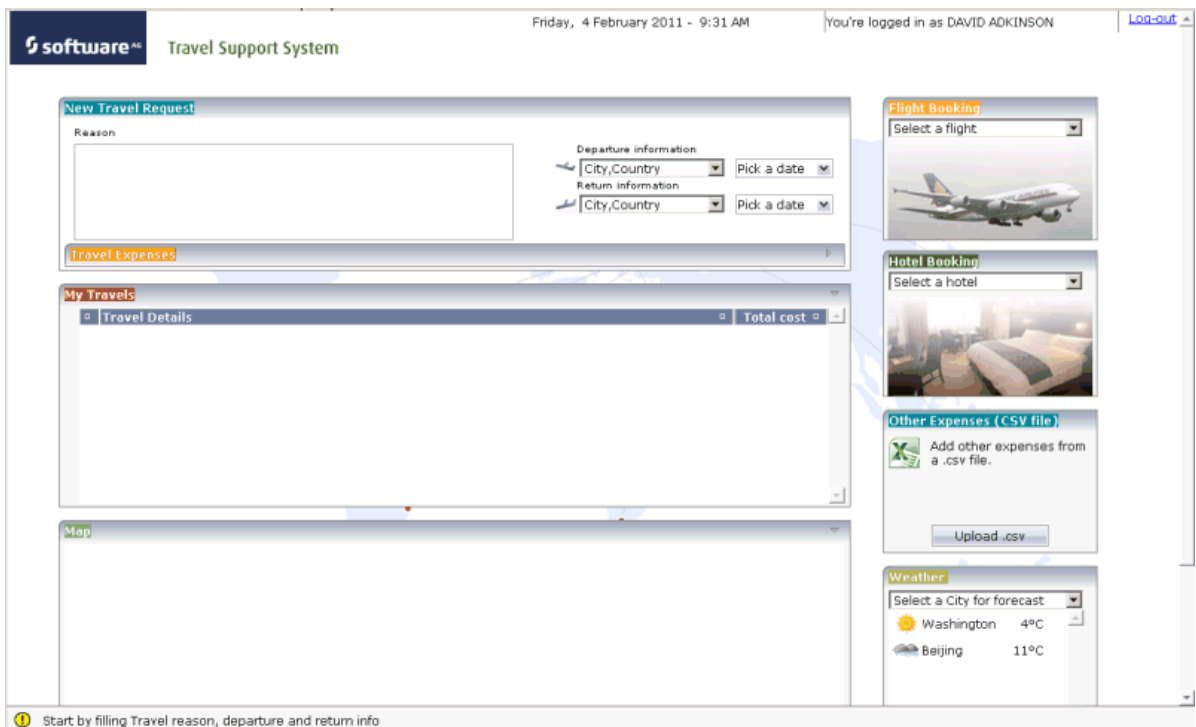


- 2 Select the name "ADKINSON DAVID".



- 3 Choose the **Enter New Request** button.

The following screen appears. Here, you will enter your travel request.



Entering a Travel Request with Flight and Hotel Information

You will now enter and submit your travel request. This includes the following information:

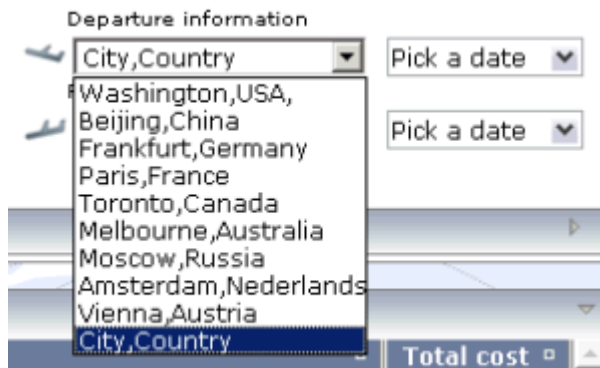
- City and date for departure.
- City and date for return flight.
- Flight number.
- Hotel name.

▶ **To enter a travel request**

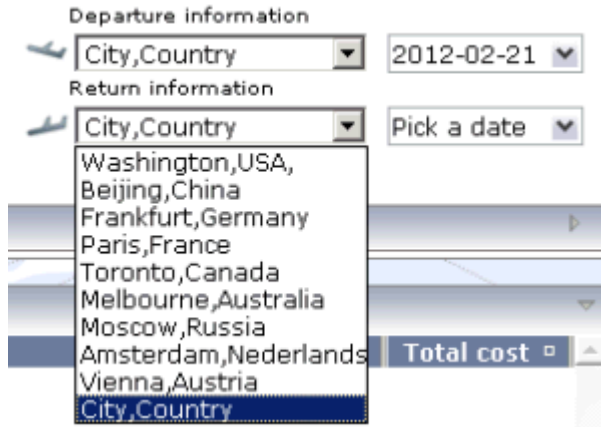
- 1 In the **Reason** text box, enter the reason for your travel plans. For example:



- 2 Under **Departure information**, open the drop-down list box.



- 3 Select **Toronto,Canada**.
- 4 Click on **Pick a date** which is shown to the right of the departure information.
- 5 In the resulting **Date Input** dialog, select the desired date for your flight to Toronto (for example, February 21, 2012).
- 6 Under **Return information**, open the drop-down list box.



- 7 Select **Beijing,China**.
- 8 Click on **Pick a date** which is shown to the right of the return information.
- 9 In the resulting **Date Input** dialog, select the desired date for your return flight from Beijing (for example, February 28, 2012).



You have now entered the basic information needed to make travel plans. Next, you will book a flight and a hotel.

- 10 Under **Flight Booking**, open the drop-down list box.



- 11 Select **Continental Airlines Flight: #4207**.

The selected flight is shown under **Travel Expenses**.

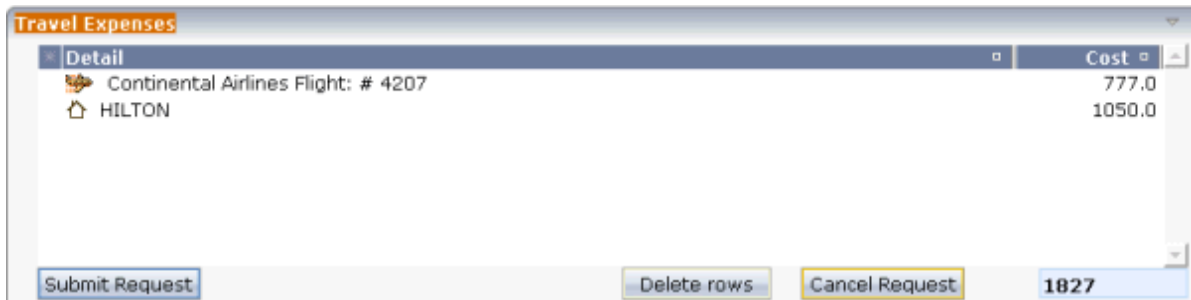


12 Under **Hotel Booking**, open the drop-down list box.



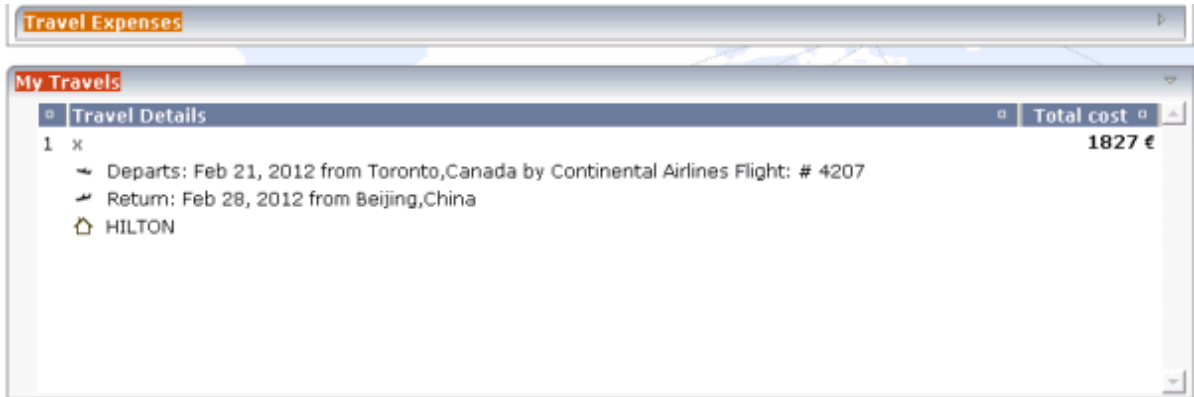
13 Select **HILTON,150**.

The selected hotel is also shown under **Travel Expenses**, including the costs (7 nights * 150 = 1050). The total cost has also been updated (1827).



14 Choose the **Submit Request** button.

The **Travel Expenses** area is closed, and the **My Travels** area shows the travel details.



At the bottom of the screen, you can see a message informing you that the travel request has been accepted (pending approval), and that you can now either create a new request or log out.

Adding Additional Expenses to Your Travel Request

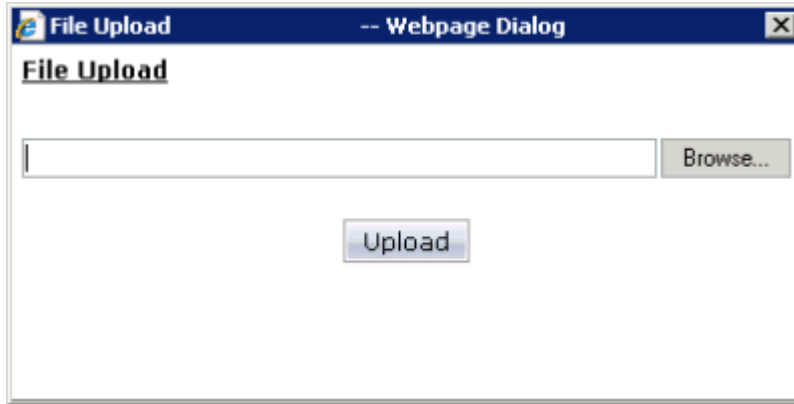
You will now add additional expenses from a CSV file to your travel request. This is just for demonstration purposes and you will delete these expenses before you log out.

▶ To add additional expenses

- 1 Under **Other Expenses**, choose the **Upload .csv** button.



The **File Upload** dialog appears.



- 2 Choose the **Browse** button.
- 3 In the resulting **Choose File to Upload** dialog, navigate to the location of your Eclipse workspace. Here, you can find the project directory that has been created for your travel application.

The demo CSV file which comes with the travel application is located in the *Expenses* folder of the project and has the name *expenses_trip1.csv*.

- 4 Select the file *expenses_trip1.csv* and choose the **Open** button.

The path to the selected file is shown in the **File Upload** dialog.

- 5 In the **File Upload** dialog, choose the **Upload** button.

The contents of the CSV file is shown under **Travel Expenses**.



You will now delete the two items that were added from the CSV file.

- 6 Select both lines (press **SHIFT** or **CTRL** to select the second line).
- 7 Choose the **Delete rows** button.
- 8 Log out by clicking on the **Log-out** link which is located at the top right of the screen.

The logon screen containing the **Please select a User name** dialog is shown again.

Logging in as a Manager for Approving Travel Requests

In order to approve the travel request you have just entered, you will now log in as a manager.

▶ To log in as a manager

- 1 In the **Please select a User name** dialog, open the drop-down list box and select the name "ARCONADA PEDRO".

For this user, an **Approve Requests** button is shown which is only available to managers.

- 2 Choose the **Approve Requests** button.

The following screen appears, listing the travel requests that are waiting for approval.

software^{ac} Travel Support System

Friday, 4 February 2011 - 12:06 PM | You're logged in as PEDRO ARCONADA | [Log-out](#)

Travel cost details

Employee details

Name DAVID ADKINSON - SECRETARY (dept. MGMT10)
 Address 11 HOLLY GREEN
 City CHAPEL HILL
 Country USA Zip Code 27514

Travel details

Travel Reason

Leaving Toronto,Canada On 2012-02-21
 Travelling to Beijing,China Returning 2012-02-28

Department (MGMT) statistics

Travel budget

Total cost: 1827
 Total cost of flights: 777
 Continental Airlines Flight: # 4207
 Total cost of hotels: 1050
 HILTON

Members of staff - Requests status

Name	Approved	Pending
DAVID ADKINSON	0	1

Submit approved requests

Employee	Request info	Cost
DAVID ADKINSON	Continental Airlines Flight: # 4207 / HILTON /	1827.0

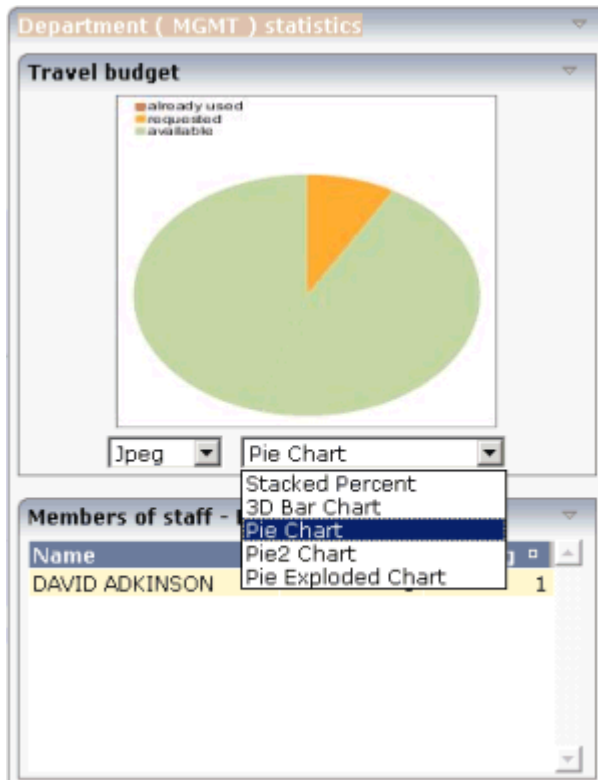
Click a Travel Request row for details, DoubleClick to approve

Approving a Travel Request

After you have logged in as a manager, you can approve travel requests.

▶ **To approve a travel request**

- 1 Under **Department (MGMT) statistics**, open the drop-down list box for the different types of pie charts.

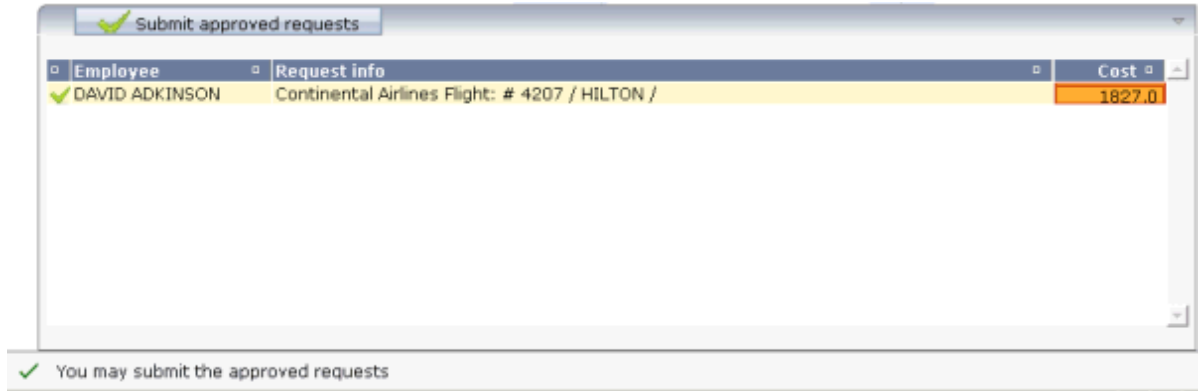


- 2 Select **Pie Exploded Chart**.

A different chart is shown, indicating the total travel budget that is available for the department, and how much of the budget is currently requested.

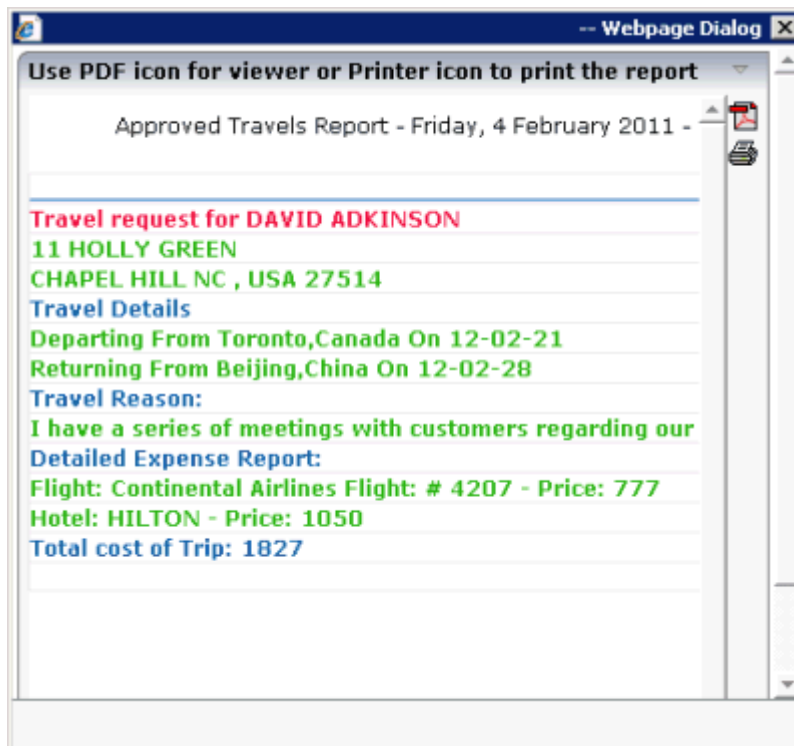
- 3 In the table at the bottom left of the screen (below the **Submit approved requests** button), double-click the row containing the employee name "DAVID ADKINSON".


A check mark is now shown in front of the row, and a message is shown at the bottom of the screen informing you that you may submit the approved requests.



- 4 Choose the **Submit approved requests** button.

The following dialog appears, containing the travel details for David Adkinson.



- 5 Click on the PDF icon () at the top right of the dialog.

When appropriate PDF viewing software such as Adobe Reader is installed, the PDF output is shown and you can print it.

