



Business Travel Management System

Overview

Country or Region: Germany

Industry: Corporate Travel

Customer Profile

The client is a leading company in the corporate travel industry.

They offer companies and institutions appropriate software to cut travel costs and optimize the process of application, approval, accounting, billing, controlling and reporting of service and business trips.

Business Situation

The company did not have a suitable tool to manage employee business trips. The need for such a tool was identified due to the increasing proportion of business travel.

Following a technology review, Extentia was chosen to design and develop the new system.

Solution

Extentia analyzed the customer's requirements and designed a customizable, feature-rich travel management system based on the Java technology platform.

Benefits

- Excellent end-user experience
- Ease of use
- Enhanced functionality
- Customizable user interface
- Stable, scalable implementation
- Reduced maintenance costs
- Reduced development costs due to flexible offshoring model
- Development completed within aggressive deadlines

Extentia designs and implements a business travel management system, providing a customizable user interface for the client's different corporate customers.

Summary

A German corporate travel management company required a customizable web application to manage all employee travel related activities.

They chose Extentia to design and engineer their system, creating a comprehensive travel management system based on the **Java** platform.

The project was successful, and the client has been able to sell the developed solution to many large corporations, customized to meet their needs.

Situation

With the increasing globalisation of companies there is also an increase in the proportion of business travel.

For the client, handling the travel management process for employees was becoming a very tedious process. It became clear that a new system was required.

The new travel management system needed to support:

- Employee management
- Trip and travel management
- Customizable user interface
- Easy-to-use front end



Requirement gathering and analysis

Solution

Initially, Extentia's experienced technical team went onsite to meet with the client. During this meeting, the team gathered requirements and understood the client's needs. It was also helpful for the team to understand how the company operated.

Design phase

Functional requirements were drawn up, and after detailed analysis of the system, Extentia's technical team defined the application workflow, identified different user types, created a feature list and drafted a **detailed execution plan**.

Implementation

The next step was the **implementation** phase. During the entire project, the client and the offsite team kept in regular contact via conference calls, IM and email, keeping both sides updated on the progress of the project. This communication was vital in ensuring a **smooth working relationship**.

Regular updates and frequent project communication

Benefits

Since the customer's development department was quite small, they took advantage of the **development, testing, and graphic design skills** of Extentia.

Extentia's team members delivered the application on time, providing a **round-the-clock development cycle** and **continuous maintenance**.

The delivered system incorporated many features, including:

- User roles / permissions management
- Groups and pools management
- Advanced search
- Trip management
- Travel expenses management
- Customizable user interface and database (to meet requirements of different corporate clients)
- Report generation
- Multilanguage support

Extentia's solution was implemented using a sophisticated Java based design and included all the features required for an **advanced** and **effective** travel management system.



Technology

- Java Server Faces
- Spring
- Hibernate
- MyFaces
- Apache Tomcat 5.5
- MySQL Server 5.0

Screenshots

my Travels / Traveller

Logged in user: Franz Hauer

Environment

Trip

Trip Status: *** Traveller stageTrip created From: May 06, 2008 To May 21, 2008
Trip Number: 1 Name Of Traveller: Franz Hauer

Trip Day Bill Mileage Leg Breaks Payment Summary

Trip Type: *** abroad - business *** Trip Number: 1
External Number:

Onward Start date: May 06, 2008 10:00 AM hrs Return Start date: hrs
Onward End date: hrs Return End date: May 21, 2008 10:00 AM hrs

Legal Country: *** Osterreich - im Ubrigen Destination: ***
Trip Purpose: *** Customer: *** Customer1 ***

Means of transport: *** own car *** Number of travelers: 0
CoTravellers:

Edit Trip Basic Info

Version 2.0.0 (build 0073)

Trip management

Firm / Person / Personeliste

Logged in user: Mario Mertens

Environment

Action

Names: Franz Hauer Username: 2 (User)
Personnel Id No: H18974 Status: Not blocked, Activated, Enabled

Personal System Address Bank Preferences Groups Pools Roles

Salutation: Mister Date of birth: Apr 10, 2008
Title: *** professor *** Sex: *** female ***
First name: Franz Marital status: *** married ***
Middle name: Last name: Hauer Religion: *** none ***
Driving license category: *** C ***

Company: HP Financial acc. number: 12323243
Personnel number: H18974 HR account number: 12140903
cost centre: Computation model:
Tax country: *** Deutschland ***

Office telephone: 49/3984/8965-4233 Mobile telephone: 0190-3769843-888
Office Fax: Private Email: franz.hauer@web.de

Edit Personal Info

Version 2.0.0 (build 0073)

Employee management