Web application for tracing and tracking warehouse

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1 Summary

This web application is developed in Microsoft ASP.NET 2.0 technology and Oracle database. It has Ajax capabilities so the rendering on the browser is smooth. Only the portion of the page that is changed causes post back to the server, not the entire page.

The application main purpose is to track the inventory of a warehouse system and to search for inventory articles by several criteria. The criteria are predefined and the user needs to know the search criteria in order searching to give results.

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2 Introduction

The application is web based site for displaying the results of the search performed by selected criteria. Searching is performed on warehouse articles. The predefined criteria are these 13:

1. Time frame

2. SSCC

3. Lieferant and time frame

4. Lieferant, Artikel and time frame

5. Lieferant, Artikel, Charge and time frame

6. WE-Nr and time frame

7. WE-Nr, Ref-Nr and time frame

8. Ref-Nr and time frame

9. Lieferung and time frame

10. SAP Auftrag and time frame

11. Empfänger (Code) and time frame

12. Empfänger (Text) and time frame

13. Artikel and time frame

Other criteria are assumed to be false and searching is not performed. The result is displayed in 4 levels, every level gives different detail.

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3 Web Site Description

3.1 Main screen – level 1

The application is hosted on web server and it can be reached by typing the URL of the web application in any web browser. When user starts the application, the first screen that is shown is like Figure 1 - Main screen. On this welcome screen the user can see searching mask where he enters all needed values and clicks the search button.
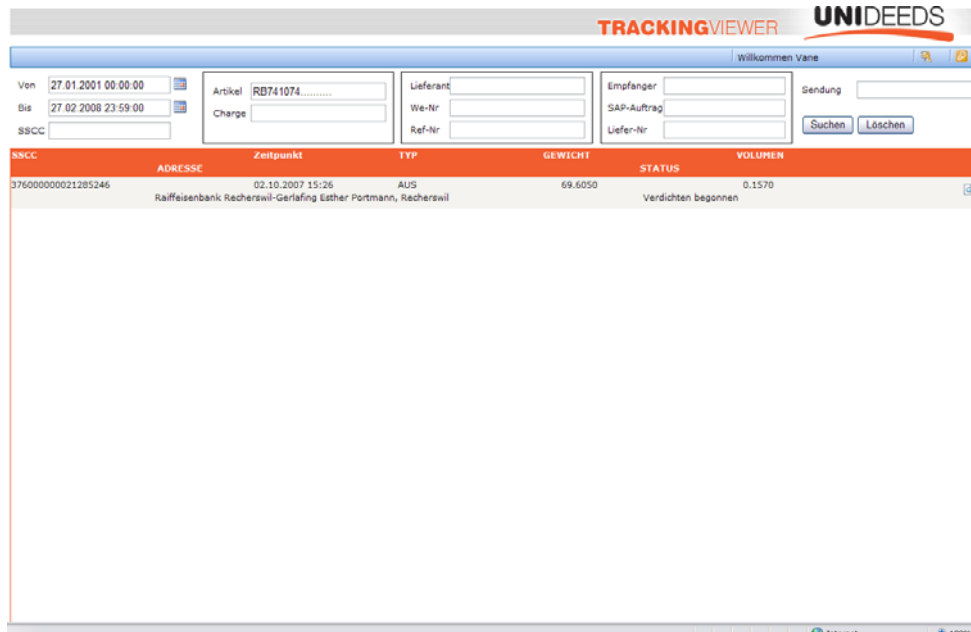
Figure 1 - Main screen

3.2 Level 2

When first level of data is displayed then on the right side of the row is displayed button for expanding the next level. The level 2 data is displayed on Figure 2 - Level 2 data.
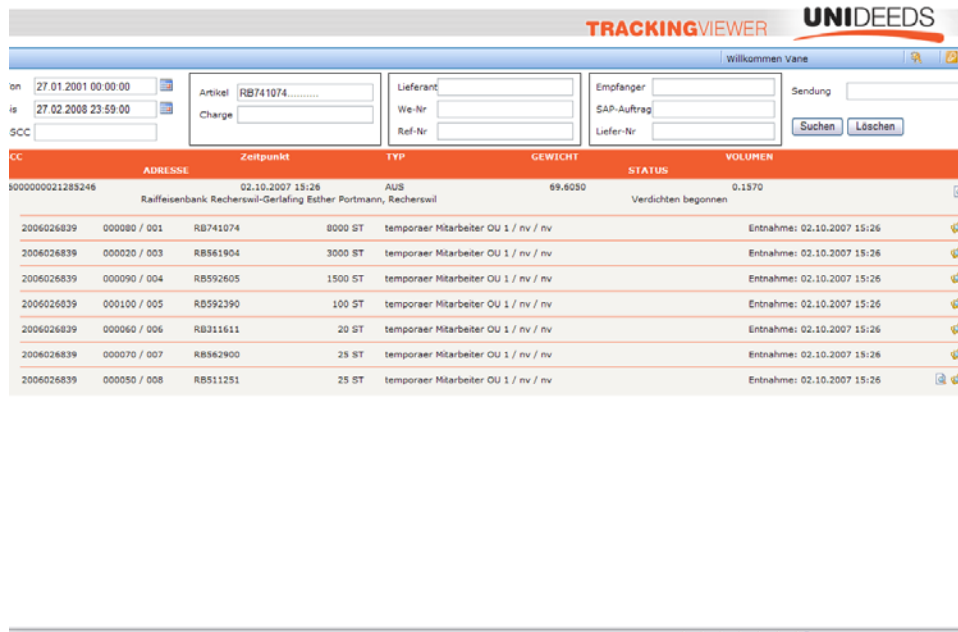

Figure 2 - Level 2 data

3.3 Level 3

The same is with the level 3 data. Every row has button for expanding/collapsing the next level but the last row has two buttons for expanding another level with different details.

Figure 3 - Level 3 data

3.4 Level 4

Level 4 displays another level of details. This is the last one of the cascading expand/collapse mechanism.

Figure 4 - Level 4 data

4 Benefits of Tracking Viewer

The main benefit of this application is the clear picture of all articles that are stored in the warehouse of the company.

Figure 5 - Details from tracking inventory articles