

# **TRUCKS AND ORDER OF PETROL MANAGEMENT FOR A TRANSPORT COMPANY**

## **VISION**

A web application is required to work with trucks and order of petrol management for a transport company .

- The application must implement view of list of trucks in company and we add remove and update this list .
- The application must implement View list of orders of petrol with date and quantity of petrol
- The list of orders should implement filtration by date for a certain range eg. from one date to another.
- New orders can be added for a specific truck orders of petrol can be deleted but not updated.

## **1. ORDERS**

### **1.1 VIEW LIST OF ORDERS**

This program mode is intended for viewing the list of orders .

The main scenario:

- The user selects the "Orders" menu item.
- The form for viewing the list of all Orders is displayed and date order was made..

TRUCKS

ORDERS

START DATE

END DATE

FILTER

OrderId	OrderDate	PetrolQty	TruckId	
1	2004-02-30	23.4	1	Delete
2	2009-02-02	23.3	2	Delete
3	2008-01-01	65.5	2	Delete
4	2009-01-01	23.3	2	Delete
5	2004-01-01	56.5	4	Delete
6	2006-01-01	23.2	7	Delete

Fig,1.1 Displays the list of orders.

## Filtering

To show records of orders that were made from a period, user can use filtration fields to enter date interval.

Start date of the period should be less then end date of the period;

- If both date fields are blank filtration will not be applied;
- If start date is blank, then application display all records with date of purchase not greater then entered date;

Refreshing of displaying records is producing by clicking the “GO” button

The list shows the date an order of quantity-petrol that was made for different trucks .

## 1.4 Deleting an order

### *The main scenario:*

- User is in view mode for the list of order and press “Delete” button;

- Record is deleted from database;
- If error occurs, then error message displays;
- If order record is successfully deleted, then list of orders without deleted would be displayed

Fig,1.4 Confirmation of delete.

## 2. Truck

### 2.1 VIEW OF THE TRUCK LIST

At this moment the system is on the view of the list of Trucks in the company

**The main scnerario**

TRUCKS		ORDERS		ADD TRUCK	
TRUCKID	TR_CODE	PURCHASE DATE	DESCRIPTION		
1	BY0099	2009-01-02	TRUCK	EDIT	X
2	BY3212	2009-01-01	BLUE TRUCK	EDIT	X
3	BY3242	2002-01-02	LONG TRUCK	EDIT	X
4	BY7863	2009-10-02	NEW TRUCK	EDIT	X
5	BY7542	2003-02-02	WHITE TRUCK	EDIT	X
6	BY4232	2004-01-01	BLACK TRUCK	EDIT	X
7	BY9988	2003-02-06	RED TRUCK	EDIT	X

Fig.2.1 Display the list of Trucks

The following columns are displayed:

The list of trucks show trucks average per month

- TruckId id of truck
- TruckCode This is the uniqueCode of the Trucks eg. car plate number;

- Description of Truck ; This can help for visual identity of truck;
- Purchased date: date truck was added to system

## 2.2.

### **Adding a Truck**

#### ***The main scenario:***

- The user, while in the list of truck, presses the "Add Truck" button;
- The form for adding a new truck is displayed;
- The user enters data and presses the "Save" button;
- If the data is not entered correctly, a warning is displayed about incorrect data;
- If the data is correct, then the user is added to the data;
- If there was an error saving the data, an error message is displayed;
- If the truck is successfully added, the form for viewing the list of trucks with updated data opens
- System will automatically add date according to current time when you save data

#### ***Scenario of cancellation of changes:***

- The user is in the mode of viewing the list of trucks, presses the button "New Truck";
- The form for adding a new truck is displayed;
- The user enters data and presses the "Return" button;
- Data is not stored in the database and a form for viewing the list of trucks with updated data opens

TRUCKS	ORDERS
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BACK

SAVE

NEW TRUCK

TRUCKCODE	
DESCRIPTION	

Fig.2.1 Display the form for adding new Trucks

### 2.3. Editing a Truck

#### *The main scenario:*

- The user is in the mode of viewing the list of trucks, presses the "Edit" button for the selected truck;
- The editing form is displayed;
- The user modifies the data and clicks the "Save" button;
- If the data is not entered correctly, a warning is displayed about incorrect data;
- If the data is correct, then the data is added to the database;
- If there was an error saving the data, an error message is displayed:
- If the truck is successfully updated, the form for viewing the list of trucks with updated data opens.

#### *Scenario for cancellation of changes:*

- The user is in the mode of viewing the list of trucks, presses the "Edit" button of the built-in truck is selected;
- The editing form is displayed;

- The user enters data and presses the "Back" button;
- Data is not stored in the database and a form for viewing the list of trucks with updated data opens.

Constraints for data validation:

- TruckCode– must be not blank, maximum length 6 symbols ;
- Purchased date – will be automatically added with format yyyy-mm-dd;
- description – must be not blank, maximum length 255 symbols;

## **2.4 Deleting a Truck**

*The main scenario:*

- User is in view mode for the list of trucks and press “Delete” button;
- Record is deleted from database;
- If error occurs, then error message displays;
- If truck record is successfully deleted, then list of trucks without deleted would be displayed

2.5

## **VIEW TRUCK DETAILS AND AVERAGE PETROL CONSUMPTION**

TRUCKS

ORDERS

ADD TRUCK

TRUCKID	TR_CODE	PURCHASE DATE	DESCRIPTION		
1	BY0099	2009-01-02	TRUCK	EDIT	X
2	BY3212	2009-01-01	BLUE TRUCK	EDIT	X
3	BY3242	2002-01-02	LONG TRUCK	EDIT	X
4	BY7863	2009-10-02	NEW TRUCK	EDIT	X
5	BY7542	2003-02-02	WHITE TRUCK	EDIT	X
6	BY4232	2004-01-01	BLACK TRUCK	EDIT	X
7	BY9988	2003-02-06	RED TRUCK	EDIT	X

***The main scenario:***

The user clicks one of the truck code and is directed to details page where user can see details of this truck and average petrol consumed by this truck in a month

MAKE ORDER

TRUCK DETAILS

TRUCKID	1
TRUCKCODE	BY42323
PURCHASE DATE	2003-01-01
DESCRIPTION	BLACK AUDI
AVERAGE PETROL PER MONTH	23.4

## 1.2 making order

### *The main scenario:*

To make an order user should be in details of one truck so your order is made directly for this truck  
Orders are made for particular trucks and date is also automatically set to current time

### *Scenario*

User clicks make order and is directed to order page where where user enters only the petrol quantity he/she wants to order and clicks save button

The diagram shows a web interface for placing an order. It features a top navigation bar with 'TRUCKS' and 'ORDERS' tabs. Below this, there are 'Back' and 'Order' buttons. A 'Petrol Qty' label is positioned above a text input field with the placeholder 'enter quantity for order'.

- if the data is not entered correctly, a warning is displayed about incorrect data;
- if the data is correct, then the data is added to the list;
- if there was an error saving the data, an error message is displayed
- if the order has been successfully added, the form for viewing the list of orders with Updated data will be displayed.

### *Scenario cancels changes:*

- User while about to make order  
Can decide to go back and cancel order request
- The user enters data and presses the "Back" button;
- Data is not stored in the database and a form for previous truck details I shown



