



RepairsLab

User Guide

For RepairsLab 1.0

Author : Fabrizio Ferraiuolo

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Introduction

The following guide is the basis for configuring and using the system RepairsLab.

The system RepairsLab allow to manage the entry and exit of equipment repair in a small workshop for repairs or service center.

The application allows the printing of a "Repairs ticket" for each device and manage the state of repair. Inside the Repairs ticket, you can enter the features of the delivered and the state of repair.

The system provides management of different master data for definition of states of repair, customers, types of equipment, trademarks and models.

You can print a paper "Repairs ticket" in duplicate to store paper and as a delivery receipt for the customer.

Installation

The application does not need a particular procedure, because just to download from the following address

<http://sourceforge.net/projects/repairslab/>

and go in the download section and download the latest version binary.

The downloaded file is a zip archive, extract it and start the application on MS Windows systems running file "start.bat" while on Linux systems "start.sh."

Prerequisite use of the system is the installation of JAVA 1.5 or higher version as the default Java virtual machine.

To check your version of Java open a command prompt or Shell and run the command `java -version`, as in the following image.

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Fabrizio>java -version
java version "1.6.0_10-rc"
Java(TM) SE Runtime Environment (build 1.6.0_10-rc-b28)
Java HotSpot(TM) Client VM (build 11.0-b15, mixed mode, sharing)

C:\Documents and Settings\Fabrizio>
```

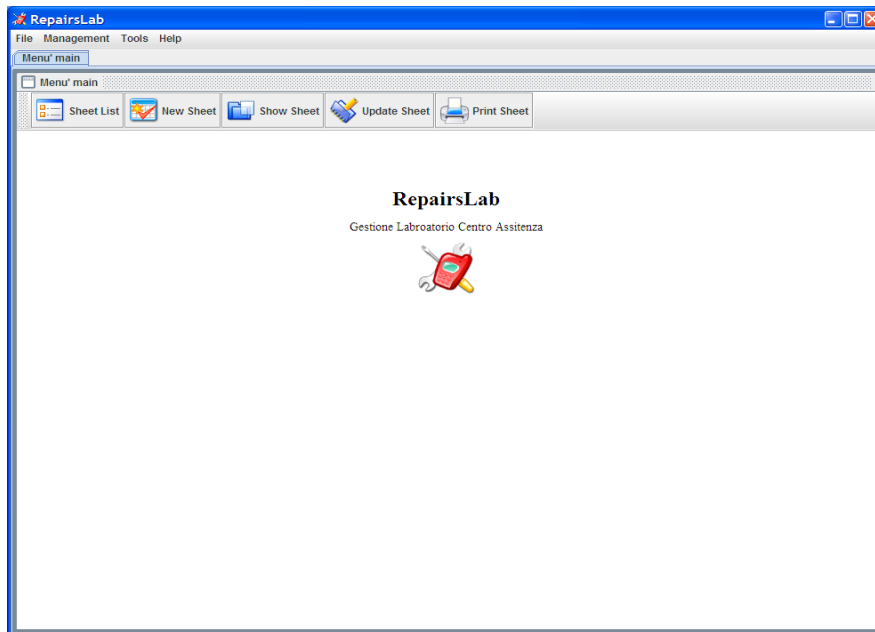
```
fabrizio@ubuntu: ~
File Modifica Visualizza Terminale Schede Ajuto
fabrizio@ubuntu:~$ java -version
java version "1.6.0_06"
Java(TM) SE Runtime Environment (build 1.6.0_06-b02)
Java HotSpot(TM) Client VM (build 10.0-b22, mixed mode, sharing)
fabrizio@ubuntu:~$
```



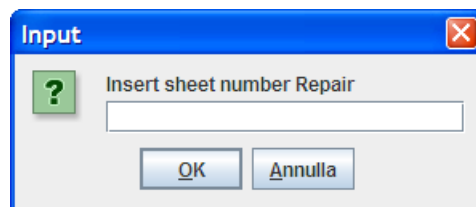
Home Screen

Access to the system displays the following screen with the menu to access the database system configuration and within the main menu has the following functions:

1. Accessing to the list of repair sheet
2. Insert a new repair sheet
3. Browsing repair sheet (the system asks you to enter the sheet number to be displayed)
4. Edit repair sheet (the system asks you to enter the sheet number to be displayed)
5. Print repair sheet (the system asks you to enter the sheet number to be displayed)



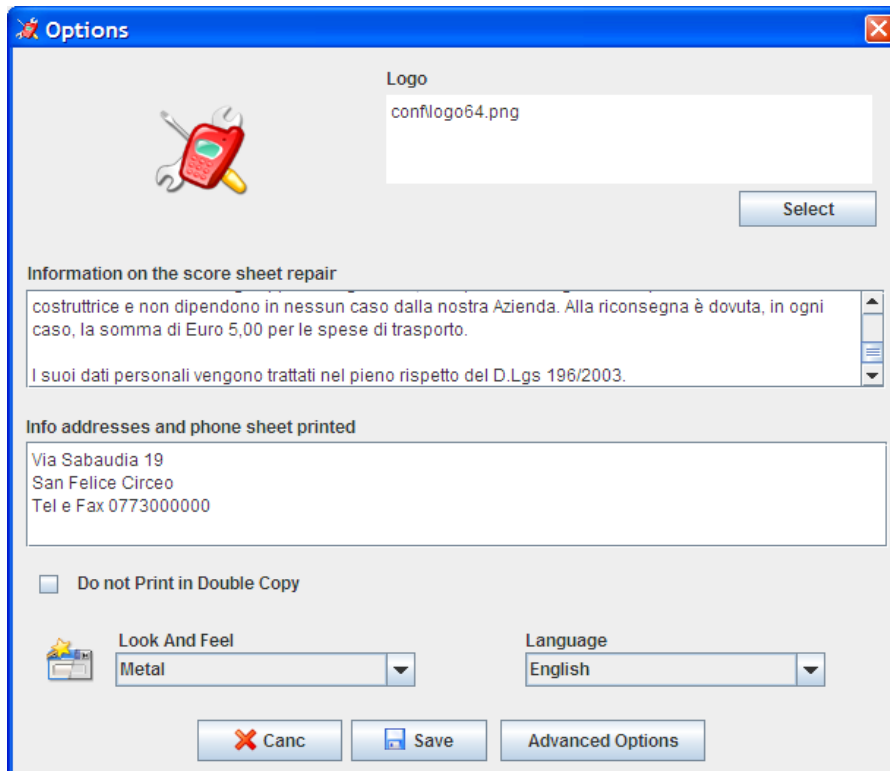
For the responsibilities set out in paragraphs 3, 4 and 5 is the first to access the specific function displays the following screen, where you must enter a valid number of repair sheet





Configuration

Configuration options can be accessed from the tools menu item options, where you see the following screen :



List of configurations:

1. Logo: is the logo of his company, you need to edit press the select button and select a file type JPEG, GIF or PNG. The logo appears in print sheet repair .
2. Information on the score sheet maintenance have additional information displayed in the press sheet repair .
3. Info addresses and phone card printed information of your company in the press sheet repair .
4. Do not print in Double Copy: If you check this enabled the system will print a single copy of the repair sheet.
5. Look and Feel: change the look and feel of the application, you must reboot the application.



Configurations Data Base

Screen configurations (above) on advanced options menu you access the following screen:

Comando di avvio

Processo Server

DB Configuration

JDBC Driver: org.firebirdsql.jdbc.FBDriver

JDBC Url: jdbc:firebirdsql:localhost/3050:H:\wip\it.f2.gestRip\ddb\fdb\GESTRIP.FBD

JDBC User: SYSDBA

JDBC Passw:

Embedded Server

Test Canc Save

You can configure the system in two ways which are as follows

- Embedded Server
- Standard Server

The system is set to default embedded, this configuration provides for the use by one user, there is no access contemporary configuration includes a server instead of using contemporary times.

For the standard configuration of the server must be installed on a server FirebirdSql Database software and configure the field Url JDBC connection with the file fdb inside the installation directory db\ fdb\GESTRIP.FBD.

You can also use other databases such as Oracle or MySQL running the script db\er\ modelGestRip.sql and configure the appropriate JDBC parameters.



Personal data management

Access to personal case from the menu and database management are:

1. Customers: contains a list of customers.
2. States: contains the possible states of card processing.
3. Repair Types: contains the types of repairs or for example if a repair is done with the customer or warranty or if done at or from third parties.
4. Purchasing Data: contains the types of data acquisition or whether through purchase or invoice.
5. Equipment Type: contains the types of or if it is a cellphone rather than a television.
6. Brands: contains a list of brands.
7. Models: contains a list of models.

The mode of operation of the database provides two states, or viewing mode and edit mode.

Access was in viewing mode to switch to edit mode press the edit button in edit mode you can change fields and add other items going on the last line of the table and delete from the delete button. To apply your changes, click the Save button to cancel the appropriate button cancels.

The buttons below are used to facilitate navigation between the different records.

Edit button



Id	ModelName	ModelDesc	Brand	EquipmentType	Active
1ssdfasddas			Vertu	Fotocamera	<input checked="" type="checkbox"/>
2E90			Nokia	Cellulare	<input checked="" type="checkbox"/>
3sgh-2630			Samsung	Cellulare	<input checked="" type="checkbox"/>
4n70			Nokia	Cellulare	<input checked="" type="checkbox"/>
5sgh-u700			Samsung	Cellulare	<input checked="" type="checkbox"/>
6sgh-p910			Samsung	Cellulare	<input checked="" type="checkbox"/>
75300			Nokia	Cellulare	<input checked="" type="checkbox"/>
8w950i			SonyEricsson	Cellulare	<input checked="" type="checkbox"/>



Insert Repair Sheet

The task of entering new repair sheet is the following screen.

This screen shows a tab header and four each with different information. Navigation between tabs can be done by clicking on the tab at the top that with the navigation Back and Forward below.

The header has the following information:

1. Sheet Number. It represents a unique code that identifies the progressive card processing.
2. The date of entry equipment that is automatically enhanced with the current date but can be changed if you are to create a card that identifies a device delivered a few days earlier.
3. The date of return. Indicates the date of repayment of the customer and then enhanced indicates that if the repair is stored. To exploit this field you can simply press the returned check and the system automatically inserts the current date. This date may also be inserted manually or with the timetable accessible with the key.

Equipment tab has the following information :

1. Repair type. From management Type Repair.
2. State repair. From management States.
3. Purchasing data type. From management Purchasing data .
4. Number and purchase date. Indicate the number and date of purchase
5. Equipment Type. From management Equipment Type .
6. Brand. From management Brands .
7. Model. From management models. The button on the side allows the insertion of new models without direct access to management function. In placement if selected brand and/or equipment type values of this field are filtered for these values .



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8. Descriptive fields. The following fields: Defect Reported, Serial / IMEI, accessories delivered, General statement and non-compliance are descriptive fields to define the details of the information sheet repair .

Sheet Number: 9 Entry Date: Nov 19, 2008 Returned Data: Returned

Equipment **Customer** Costs & Notes Repair

Name:

Surname:

Phone:

Mobile:

Address:

City:

Email:

Company:

VAT:

Select customer

New Customer

Update custome...

Ok Cancel

Prev Next Save Print Close

The Data tab customer information defined in the register customers is possible, by pressing the "Select Client" for your interview and select a customer. If the information relating to the customer selected are not complete or not correct you can press the button "Change Client" and make the necessary changes without direct access to management. If you need to insert a new customer, you can press the "Enter score" and the screen allows the insertion of a new customer .

To confirm whether amendments and insertions made it necessary to press the ok otherwise the system will record these changes

Sheet Number: 9 Entry Date: Nov 19, 2008 Returned Data: Returned

Equipment Customer **Costs & Notes** Repair

Costs

Supported cost: 0.00 Exsistemed cost: 0.00

Charged to customer: 0.00

Print note

Internal note

Prev Next Save Print Close



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The Costs & Notes tab has the following fields:

1. Supported Cost. It is a value used to keep track of costs incurred for the repair, this value is not printed.
2. Estimated cost. Is inserted if a cost estimate.
3. Charged to the customer. This value is used to keep track of revenue .
4. Print notes. The note that details are included in the printed sheet.
5. Notes for internal use. This value is not printed .

The screenshot shows a software window titled "Sheet Detail". At the top, there are three input fields: "Sheet Number:" with the value "9", "Entry Date:" with the value "Nov 19, 2008", and "Returned Data:". To the right of the "Returned Data:" field is a checkbox labeled "Returned". Below these fields are four tabs: "Equipment", "Customer", "Costs & Notes", and "Repair". The "Repair" tab is currently selected. The main area of the window is a large text box labeled "Description repair". At the bottom of the window, there are five buttons: "Prev", "Next", "Save", "Print", and "Close".

The repair tab has only one field which covers retail transactions made in the repair.



Browsing repair sheet

This feature allows you to interrogate data in the sheet can change without repair.

The screenshot shows the 'Sheet Detail' window with the following fields and controls:

- Sheet Number: 8
- Entry Date: Nov 6, 2008
- Returned Data: [] Returned
- Equipment | Customer | Costs & Notes | Repair (selected)
- Name: John
- Surname: Smith
- Phone: 0123456789
- Mobile: []
- Address: []
- City: New York
- Email: []
- Company: []
- VAT: []
- Buttons: Select customer, New Customer, Update custome...
- Bottom navigation: Prev, Next, Save, Print, Close

Edit repair sheet

This feature allows you to change the data in the form of repair sheet.

The screenshot shows the 'Sheet Detail' window with the following fields and controls:

- Sheet Number: 3
- Entry Date: Oct 25, 2008
- Returned Data: [] Returned
- Equipment | Customer | Costs & Notes | Repair (selected)
- Repair type: FUORI GARANZIA
- Repair state: IN RIP
- Purchasing data: Type: [], Number: [], Date: []
- Defect Reported: non legge la memory
- Equipment received: Equipment type: Cellulare, Brand: Nokia, Model: n70
- Serial / IMEI: 351862012876361
- Accessories delivered: batteria, cover post. e memory
- General statement: []
- Non compliance: []
- Bottom navigation: Prev, Next, Save, Print, Close



Printing Repair Sheet

This feature allows you to print data in the card processing.

The data are as follows:

Are present in the logo and the data of the company, and the number of card and the date or time to print

In section Client are the name of the customer address the city and the phone.

In the section Device delivered: the date of entry, type device, the make and model, the design information sheet (serial / IMEI, accessories delivered, was generally reported defect), the type of repair, information on the document purchase, the cost estimate.

In the repair section are: a description of repair, notes to the print, findings, the date of repair, the cost of repairs, information for the customer on your maintenance.

Print Preview Repair Sheet

Via Sabaudia 19
San Felice Circeo
Tel e Fax 0773000000

Repair Sheet n. 8
Print Date 11/19/08 1:14 PM

Customer
Name and Surname: John Smith
Address:
City: New York
Phone: 0123456789 -

Equipment Delivered
Entry Date: 05/11/2008
Equipment Type: Cellulare
Brand / Model: Nokia / E90
Serial / IMEI:
Accessory Delivered:

Repair

Note:

Non Compliance:

Return Date:
Repair Cost: 0.0

General State:

Defect Reported:

Repair Type:
Purchasing Document: of:

Exsimed Cost 0.0

Signing for acceptance:

N.B.: La riparazione comporta una garanzia di 3 (tre) mesi solo sui componenti sostituiti. Per avvalersi di tale garanzia è necessario favorire la presente ricevuta ed assicurarsi che il sigillo posto sull'apparecchio sia integro. Si procede senza preavviso nella riparazione fino a Euro 25,00. Si declina ogni responsabilità sugli apparecchi non ritirati entro un mese dall'avvenuta riparazione, ed in caso di furto nei nostri locali. Per gli apparati in garanzia, i tempi di riconsegna sono quelli stabiliti dalla casa costruttrice e non dipendono in nessun caso dalla nostra Azienda. Alla riconsegna è dovuta, in ogni caso, la somma di Euro 5,00 per le spese di trasporto.

I suoi dati personali vengono trattati nel pieno rispetto del D.Lgs 196/2003.

Signature:

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Print Preview Repair Sheet

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Via Sabaudia 19
San Felice Circeo
Tel e Fax 0773000000

Repair Sheet n. 8

Print Date 11/19/08 1:14 PM

Customer	Repair
Name and Surname: John Smith	
Address:	
City: New York	
Phone: 0123456789 -	
Equipment Delivered	Note:
Entry Date: 05/11/2008	
Equipment Type: Cellulare	
Brand / Model: Nokia / E90	
Serial / IMEI:	
Accessory Delivered:	
General State:	Non Compliance:
Defect Reported:	Return Date:
	Repair Cost: 0.0
Repair Type:	N.B.: La riparazione comporta una garanzia di 3 (tre) mesi solo sui componenti sostituiti. Per avvalersi di tale garanzia è necessario favorire la presente ricevuta ed assicurarsi che il sigillo posto sull'apparecchio sia integro. Si procede senza preavviso nella riparazione fino a Euro 25.00. Si declina ogni responsabilità sugli apparecchi non ritirati entro un mese dall'avvenuta riparazione, ed in caso di furto nei nostri locali. Per gli apparati in garanzia, i tempi di riconsegna sono quelli stabiliti dalla casa costruttrice e non dipendono in nessun caso dalla nostra Azienda. Alla riconsegna è dovuta, in ogni caso, la somma di Euro 5,00 per le spese di trasporto.
Purchasing Document: _____ of _____	I suoi dati personali vengono trattati nel pieno rispetto del D.Lgs 196/2003.
Exsime Cost: 0.0	Signature: _____
Signing for acceptance: _____	



Via Sabaudia 19
San Felice Circeo
Tel e Fax 0773000000

Repair Sheet n. 8

Print Date 11/19/08 1:14 PM

Customer	Repair
Name and Surname: John Smith	
Address:	
City: New York	
Phone: 0123456789 -	
Equipment Delivered	Note:
Entry Date: 05/11/2008	
Equipment Type: Cellulare	
Brand / Model: Nokia / E90	
Serial / IMEI:	
Accessory Delivered:	
General State:	Non Compliance:
Defect Reported:	Return Date:
	Repair Cost: 0.0
Repair Type:	N.B.: La riparazione comporta una garanzia di 3 (tre) mesi solo sui componenti sostituiti. Per avvalersi di tale garanzia è necessario favorire la presente ricevuta ed assicurarsi che il sigillo posto sull'apparecchio sia integro. Si procede senza preavviso nella riparazione fino a Euro 25.00. Si declina ogni responsabilità sugli apparecchi non ritirati entro un mese dall'avvenuta riparazione, ed in caso di furto nei nostri locali. Per gli apparati in garanzia, i tempi di riconsegna sono quelli stabiliti dalla casa costruttrice e non dipendono in nessun caso dalla nostra Azienda. Alla riconsegna è dovuta, in ogni caso, la somma di Euro 5,00 per le spese di trasporto.
Purchasing Document: _____ of _____	I suoi dati personali vengono trattati nel pieno rispetto del D.Lgs 196/2003.
Exsime Cost: 0.0	Signature: _____
Signing for acceptance: _____	

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The report will have two sections one for the score one for internal use unless you select the check Do not print in duplicate.



Sheet List

This feature displays a list of all repairs sheet and allows the research of different sheet according to certain criteria, from this feature, select the tab is interested can access the Display sheet, change sheet, insert sheet, print sheet. It is also a feature delete sheet that does not permanently erase data but simply moved them into a trash cards.

The screenshot shows the 'RepairsLab' application window with the 'Sheet List' tab selected. The interface includes a menu bar (File, Management, Tools, Help) and a sub-menu (Menu' main, Sheet List). Below the menu is a 'Sheet List' window with search parameters and action buttons.

Search Parameters:

- n. Sheet:
- Entry Date from: to:
- Serial number:
- Repair state: ALL (dropdown)
- Name and Surname:
- Equipment Type: ALL (dropdown)

Action Buttons: Apply Filter, Reset Filter, Show Sheet, Update Sheet, New Sheet, Delete Sheet, Print Sheet

Number	State	Entry Date	Closure Date	Type	Brand	Model	Customer Name	Customer Surname
1	IN RIP	Oct 23, 2008		Cellulare	Nokia	E90	CG 67	
2	IN RIP	Oct 25, 2008		Cellulare	Samsung	sgh-z630	Alessandro	
3	IN RIP	Oct 25, 2008		Cellulare	Nokia	n70	Jonathan	
4	IN RIP	Oct 27, 2008		Cellulare	Samsung	sgh-u700	Alessandro	
5	IN RIP	Oct 27, 2008		Cellulare	Samsung	sgh-p910		
6	IN RIP	Oct 30, 2008		Cellulare	Nokia	5300	Daniele	
7	PREVENTIVO	Oct 30, 2008		Cellulare	SonyEricsson	w950i	Many	
8		Nov 5, 2008		Cellulare	Nokia	E90	John	

Record: 6 of 8



Trash Sheet

This function is accessed from the Tools menu Trash Sheet and displays a list of all the cancel repair sheet and allows the research of the various cards present some criteria.

The features are: viewing the details of the card, restoring sheet, disposal of the final tab for the definitive elimination of all trash.

The screenshot shows the 'RepairsLab' application window with the 'Deleted Sheet List' tab selected. The interface includes a menu bar (File, Management, Tools, Help) and a sub-menu (Menu' main, Sheet List, Trash Sheet). The 'Deleted Sheet List' window has a search area with the following fields:

- n. Sheet:
- Entry Date from: to:
- Serial number:
- Repair state: ALL (dropdown)
- Name and Surname:
- Equipment Type: ALL (dropdown)

Below the search area are two buttons: 'Apply Filter' (with a green checkmark) and 'Reset Filter' (with a red X). Below these are four action buttons: 'Show Sheet' (checkbox), 'Restore' (arrow), 'Delete Sheet' (trash icon), and 'Empty Trash' (trash icon).

The main area contains a table with the following data:

Number	State	Entry Date	Closure Date	Type	Brand	Model	Customer Name	Customer Surname
8		Nov 5, 2008		Cellulare	Nokia	E90	John	Smith

At the bottom of the window, there is a 'Record:' label followed by navigation icons (back, forward, search) and a page indicator showing '1 of 1'.

Data Backup

The function of backup must be done manually by copying the directory containing the data or db\derby\gestrip. It is therefore advisable to store regular archiving of that directory.

To restore data is simply necessary to restore that directory.