



RepairsLab

User Guide

For RepairsLab 1.0.5



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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/>

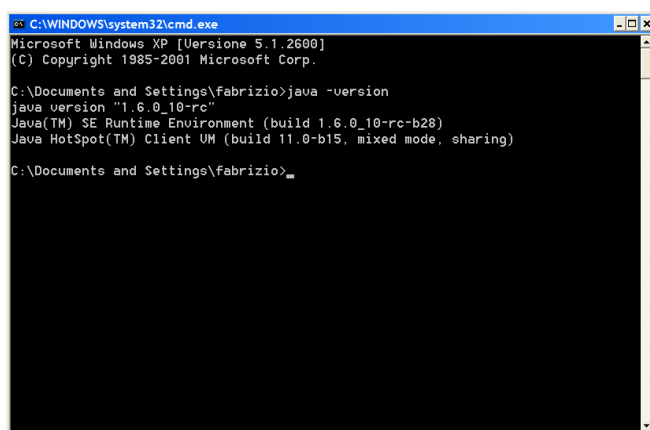
and go in the download section and download the latest version binary.

For MS Windows is available installer but you can also download the tar or zip archive version, this allows operation as portable application.

If the downloaded file is a zip archive, extract it and start the application on MS Windows systems running file "RepairsLab.exe" while on Linux systems "RepairsLab t.sh."

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

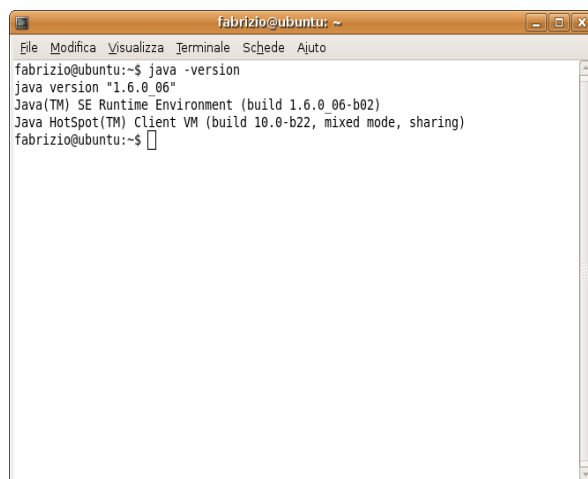
To check your version of Java open a command prompt or Shell and run the command `java -version`, as in the following image.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Versione 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 Aiuto

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:~$
```

To run on linux systems you must first edit the file "RepairsLab.sh" and change the directory with the RL_HOME RepairsLab as follows.

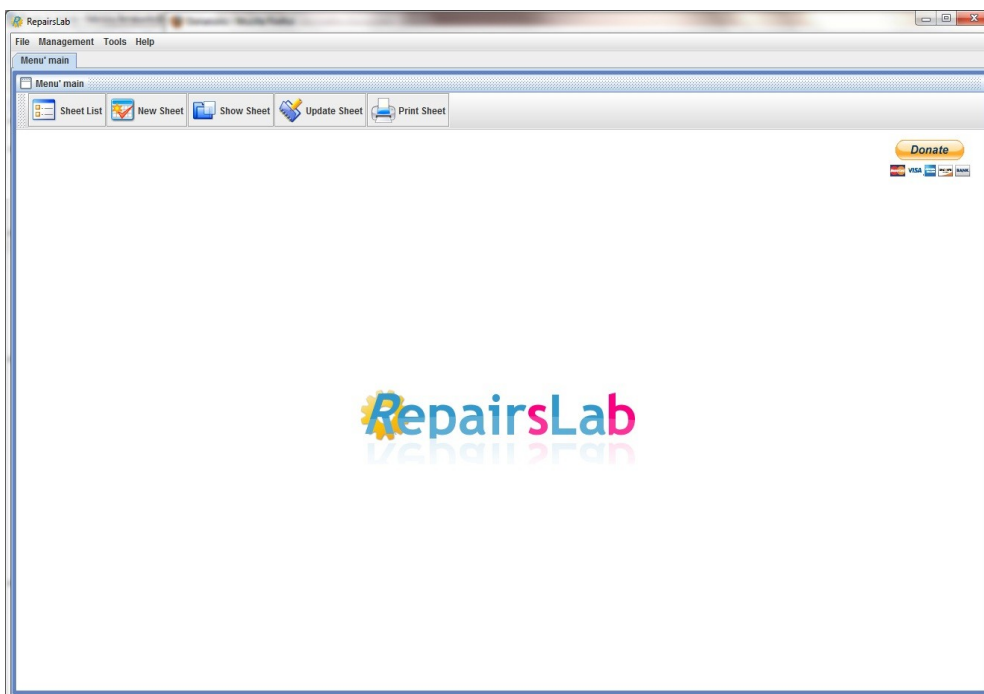
```
# ReparsLab home.
RL_HOME='/home/fabrizio/Scrivania/RepairsLab-1.0.4.0'
```



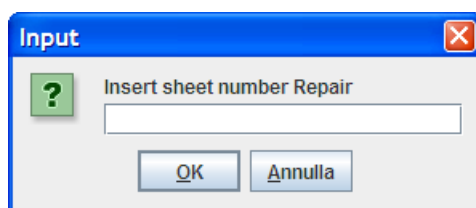
Home Screen

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. Prefix Sheet Number: prefix inserted ID card repair.
3. Information on the score sheet maintenance have additional information displayed in the press sheet repair .
4. Info addresses and phone card printed information of your company in the press sheet repair .
5. Do not print in Double Copy: If you check this enabled the system will print a single copy of the repair sheet.
6. Look and Feel: change the look and feel of the application, you must reboot the application.
7. Language: Languages supported by the system.
8. Country / Currency: Inserts localization settings for the currency.



9. Report: ability to set the default report for printing standard card re repair, or a custom report you create. Among the options the report works with the mysql db (the default does not work with this database). To create a customized report RicevutaConsegnaApparato.jrxml extract the file from source, edit it with iReport or an xml editor and insert the full path in this field.

Data Base Configurations

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

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

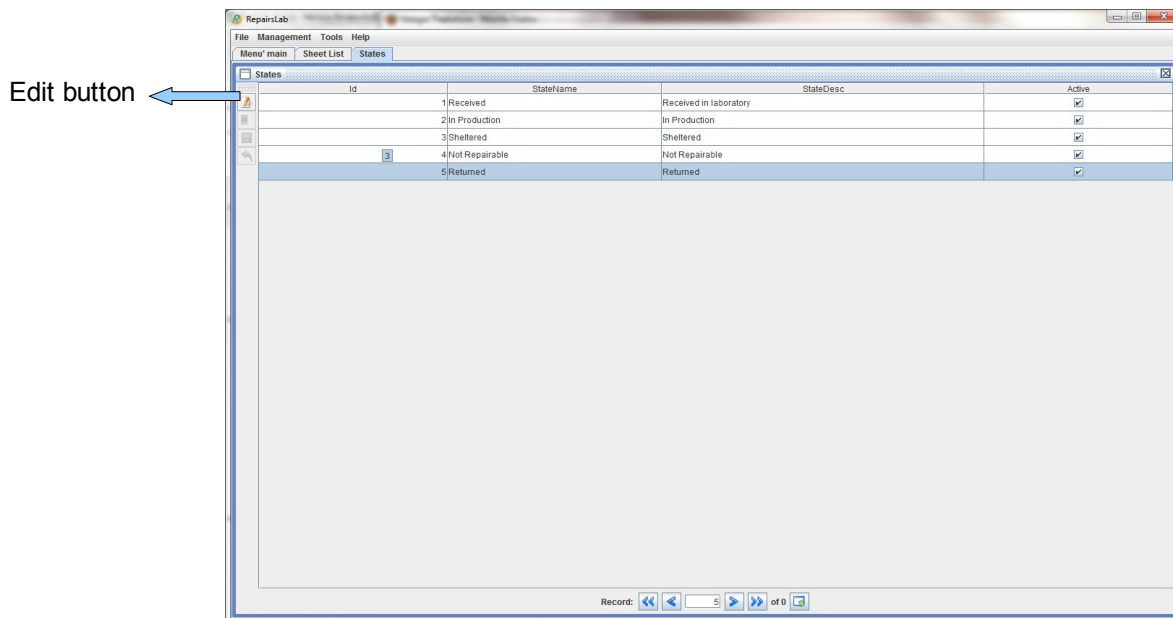
Access to personal case from the menu and database management are:

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.





Insert Repair Sheet

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

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File Management Tools Help

Menu' main

Sheet List New Sheet Show Sheet Update Sheet Print Sheet

Sheet Detail

Sheet Number: 1 Entry Date: Oct 15, 2010 Returned Data: Returned

Equipment Customer Costs & Notes Repair

Repair type
Warranty

Repair state
Received

Purchasing data
Type: Invoice
Number: 123456789
Date: October 2010

Equipment received
Equipment type Brand Model
Serial / IMEI

Accessories delivered

General statement

Non compliance

Prev Next Save Print Close

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 :



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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 .
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 .

The screenshot displays the RepairsLab application window. The 'Sheet Detail' dialog is open, showing the 'Customer' tab. The 'Name' field is filled with 'James' and the 'Surname' field with 'Smith'. The 'Phone' field contains '+390000000000'. To the right of the input fields are three buttons: 'Select customer', 'New Customer', and 'Update customer...'. At the bottom of the dialog are buttons for 'Ok', 'Canc', 'Prev', 'Next', 'Save', 'Print', and 'Close'. The background window shows a menu bar with 'File', 'Management', 'Tools', and 'Help', and a toolbar with 'Sheet List', 'New Sheet', 'Show Sheet', 'Update Sheet', and 'Print Sheet'.

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 manegement. If you need



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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

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 .



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The Repair tab has only one field that includes retail transactions made in the repair.

Browsing repair sheet

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

Edit repair sheet

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



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Sheet Detail

Sheet Number: Entry Date: Returned Data: ☐ Returned

Equipment Customer Costs & Notes Repair

Repair type

Repair state

Purchasing data
Type:
Number:
Date: ☐ ☐

Defect Reported

Equipment received
Equipment type Brand Model

Serial / IMEI

Accessories delivered

General statement

Non compliance



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.

The screenshot shows a window titled "Print Preview Repair Sheet" with a toolbar at the top. The main content area displays a repair sheet form. At the top left is the RepairsLab logo. To its right is the company address: "Via Sabaudia 19, San Felice Circeo, Tel e Fax 0773000000". Further right is the title "Repair Sheet n. 1" and the print date "Print Date 10/15/10 5:50 PM".

The form is divided into several sections:

- Customer:** Name and Surname: James Smith, Address: (blank), City: New York, Phone: +390000000000 -
- Equipment Delivered:** Entry Date: 15/10/2010, Equipment Type: Phone, Brand / Model: Apple / Iphone4, Serial / IMEI: 123456789, Accessory Delivered: Phone battery
- General State:** (blank)
- Defect Reported:** Not turn
- Repair Type:** Warranty
- Purchasing Document:** Invoice 123456789 of: 15/10/2010
- Estimated Cost:** \$ 50.00
- Signing for acceptance:** (blank line)
- Repair:** (blank line)
- Note:** (blank line)
- Non Compliance:** (blank line)
- Return Date:** (blank line)
- Repair Cost:** 0.0
- Signature:** (blank line)

A large text block on the right side of the form contains a disclaimer in Italian: "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."

At the bottom of the window, it says "Page 1 of 1".

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



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Print Preview Repair Sheet

Via Sabaudia 19
San Felice Circeo
Tele Fax 0773000000

Repair Sheet n. 1
Print Date 10/15/10 5:43 PM

Customer
Name and Surname: James Smith
Address:
City: New York
Phone: +390000000000 -

Equipment Delivered
Entry Date: 15/10/2010
Equipment Type: Phone
Brand / Model: Apple / Iphone4
Serial / IMEI: 123456789
Accessory Delivered: Phone battery

General State:

Defect Reported: Not turn

Repair Type: Warranty
Purchasing Document: Invoice 123456789 of: 15/10/2010
Estimated Cost: \$ 50.00
Signing for acceptance:

Repair

Note:

Non Compliance:

Return Date:
Repair Cost: 0.0

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 apparecchi 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:

Via Sabaudia 19
San Felice Circeo
Tele Fax 0773000000

Repair Sheet n. 1
Print Date 10/15/10 5:43 PM

Customer
Name and Surname: James Smith
Address:
City: New York
Phone: +390000000000 -

Equipment Delivered
Entry Date: 15/10/2010
Equipment Type: Phone
Brand / Model: Apple / Iphone4
Serial / IMEI: 123456789
Accessory Delivered: Phone battery

General State:

Repair

Note:

Non Compliance:

Return Date:
Repair Cost: 0.0

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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.



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File Management Tools Help

Menu: main Sheet List

Sheet List

Search Parameters

n. Sheet Entry Date from to Serial number

Repair state Name and Surname Equipment Type

Number	State	Entry Date	Closure Date	Type	Brand	Model	Customer Name	Customer Surname
1	Received	Oct 15, 2010		Phone	Apple	Iphone4	James	Smith
2	Sheltered	Oct 15, 2010						
3	Returned	Oct 15, 2010		Phone	Nokia	N96		
4		Oct 15, 2010		Phone	Nokia	N96		
5	In Production	Oct 15, 2010		TV	Philips	1234	Fabrizio	Ferra

Record: of 1



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.

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

Data Backup

The backup feature is only available if you use an embedded database, only in this case will appear in the file menu buttons Backup and Restore data.

The Backup function creates a zip file with all type of data entered into the system, then repair data sheets and registries, but not the settings.

It is therefore recommended that you regularly do so.

To restore data, you can use the special function Restore. This feature prompts you to enter a zip file previously created by the Backup function. It removes all data in the system and replaces them with those of the backup file, so it is advisable not to abuse it.



Shortcut keys

There are keyboard shortcuts to access most functions of the system. The following lists these shortcuts.

ALT+F	File Menu
ALT+M	Management Menu
ALT+T	Tools Menu
ALT+H	Help Menu
F1	Help Content
ALT+L	Sheet List
ALT+N	New Sheet
ALT+V	Show Sheet
ALT+E	Edit Sheet
ALT+P	Print
ALT+RIGHT	Next
ALT+LEFT	Prev
ALT+S	Save Sheet
ALT+C	Cancel Save Sheet