

Documentación AldComputerService

Copyright

Prólogo

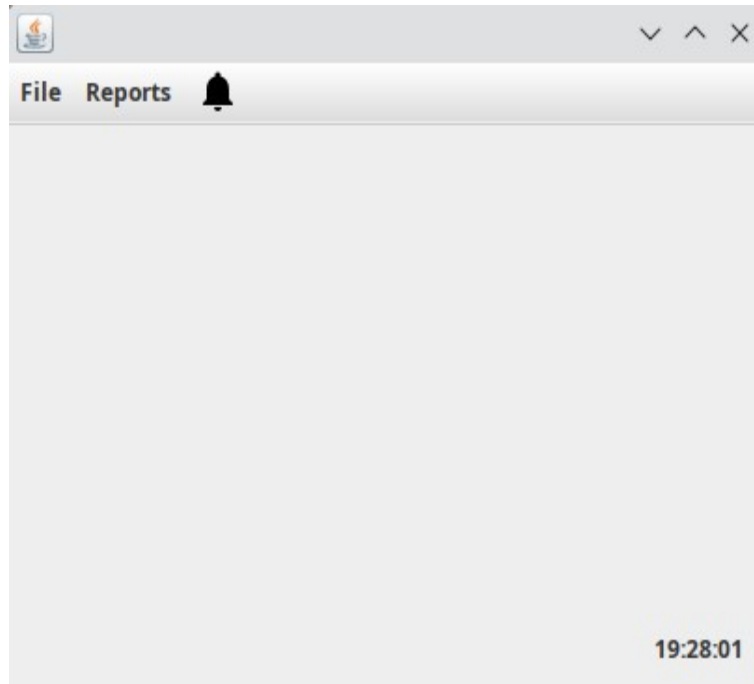
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1. Main page

1.1 Content

In the main tab of the application we can find a window with menus at the top and a clock at the bottom right.



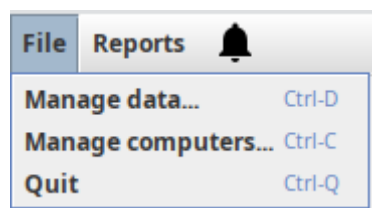
1.2 Menus

1.2.1 File

In the File menu you will find different submenus:

- Manage data (Ctrl-D)
- Manage computers (Ctrl-C)
- Quit (Ctrl-Q)

The Manage data submenu will open a view that will allow us to insert our company data. Manage computers allows us to access the computers in the shop and view the data. And finally, Quit, will allow us to close the application. For these different submenus we can use keyboard shortcuts.



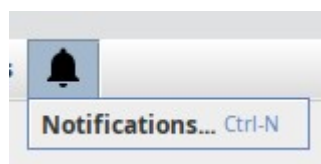
1.2.2 Reports

This menu allows us to go to the report creation view with customer data.



1.2.3 Notifications

This menu will open a customisation tab for the clock we have in the main tab of the application. You can open the tab directly with the keyboard shortcut Ctrl-N.



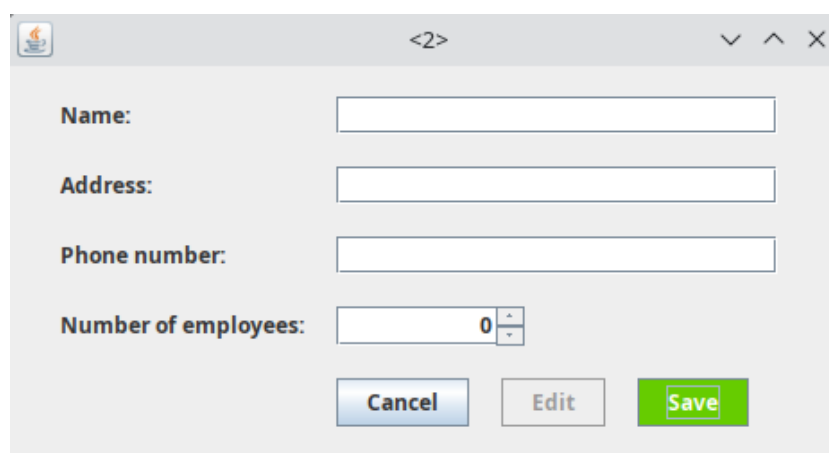
2. Manage data

2.1 Content

The Manage data window in the application allows you to set up your company data. The data it stores are as follows:

- Name
- Address
- Phone number
- Number of employees

This window has 3 buttons: Cancel, Edit and Save. With the Cancel button we close the window, with Edit we can edit the data entered about our company and with Save we can save and set the data of our company in the application.

A screenshot of a 'Manage data' window. The window has a title bar with a logo, '<2>', and window control buttons. The main area contains four labels with corresponding input fields: 'Name:', 'Address:', 'Phone number:', and 'Number of employees:'. The 'Number of employees' field is a spinner box with the value '0'. At the bottom are three buttons: 'Cancel', 'Edit', and 'Save'.

To be able to use the edit button we must first enter some data and save them. When the data is saved, the text fields are disabled and cannot be edited until the Edit button is pressed, to be able to save the edited data we must press save again and we will see how the fields are disabled with the new data entered.

3. Manage computers

3.1 Content

Esta ventana permite manejar los ordenadores de la empresa. En el centro de la ventana vemos una tabla que muestra la siguiente información sobre los ordenadores:

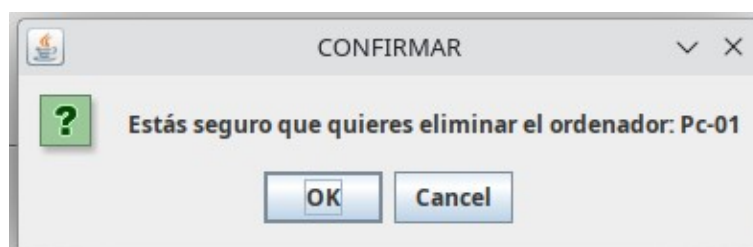
- Serial number
- Brand
- Model

También encontramos 3 botones en la parte inferior derecha de la tabla:

- Delete: allows you to delete a computer from the table.
- Edit: allows you to modify the data of a computer.
- Add: allows you to add a new computer to the program.

3.1.1 Delete computer

To delete a computer we must select it in the list with a click and press the red Delete button. When you do so, you will see a dialog box to confirm the removal of the computer.



Pressing OK will delete the computer and pressing Cancel will close the confirmation window and will not delete the computer.

3.1.2 Edit computer

To edit a computer we must select it with a click on the list and press the Edit button. When we press the edit button we will see a panel below the list of computers that will show us the data of the computer, which are:

- Computer Type: type of the computer. Values of computer type may be: PERSONAL_COMPUTER, LAPTOP or SERVER.
- Serial number: identifier of the computer, it must be unique.
- Brand
- Model

In the panel we will see the data of the selected computer and we will be able to edit them except the identifier. To save the edited data we can press the green Save button.

The screenshot shows a window titled 'Computers' with a standard Windows-style title bar. Inside, there is a table with three columns: 'Serial number', 'Brand', and 'Model'. The table contains three rows: 'Laptop-0' (Lenovo, ThinkPad), 'Server-0' (AMD, Server-0), and 'Pc-01' (OMEN, OBELISK). The 'Pc-01' row is selected. Below the table are three buttons: 'Delete' (red), 'Edit' (blue), and 'Add' (blue). The 'Edit' button is pressed, opening a 'Computer data' panel. This panel contains four input fields: 'Computer Type' (a dropdown menu showing 'PERSONAL_COMPUTER'), 'Serial number' (a text box with 'Pc-01'), 'Brand' (a text box with 'OMEN'), and 'Model' (a text box with 'OBELISK'). At the bottom of this panel are 'Cancel' and 'Save' buttons.

Serial number	Brand	Model
Laptop-0	Lenovo	ThinkPad
Server-0	AMD	Server-0
Pc-01	OMEN	OBELISK

Buttons: Delete, Edit, Add

Computer data panel:

Computer Type: PERSONAL_COMPUTER

Serial number: Pc-01

Brand: OMEN

Model: OBELISK

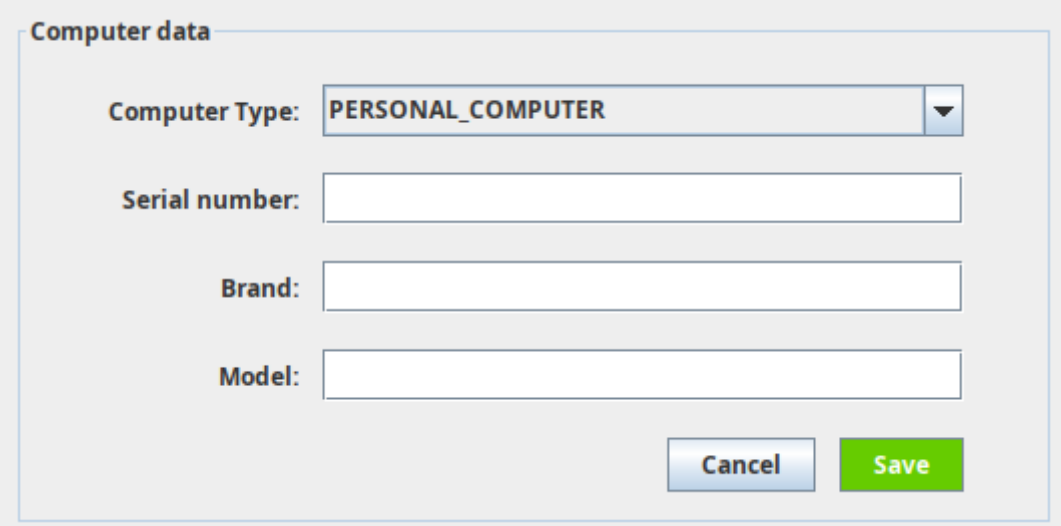
Buttons: Cancel, Save

If we press the Cancel button, the changes we have made will not be saved. And the lower panel will close.

3.1.3 Add computer

If we press the Add button we will see the same panel as above but this time empty to fill with new data.

We must enter the data and press the Save button to save the newly entered computer or Cancel to cancel the action and not add a new one.



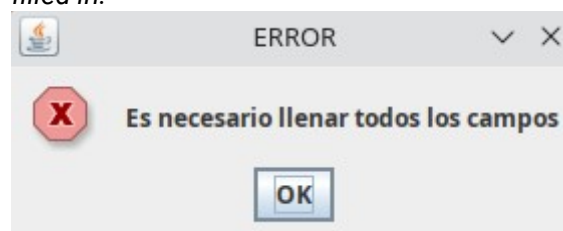
The screenshot shows a window titled "Computer data". Inside, there are four input fields: "Computer Type:" with a dropdown menu showing "PERSONAL_COMPUTER", "Serial number:", "Brand:", and "Model:". At the bottom right, there are two buttons: "Cancel" (light blue) and "Save" (green).

3.1.4 Possible errors

The errors that can be found in this window are the following:

- Incomplete data entry when adding or editing a computer. If do not fill an information field, the following error will be displayed:

Texto 1: Error message: All fields must be filled in.



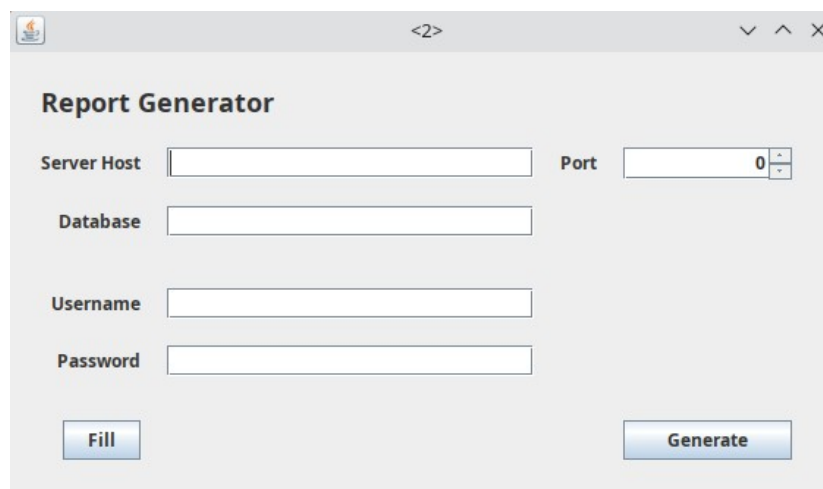
4. Generate report

4.1 Content

This window allows the creation of a report with data from a MariaDB database.

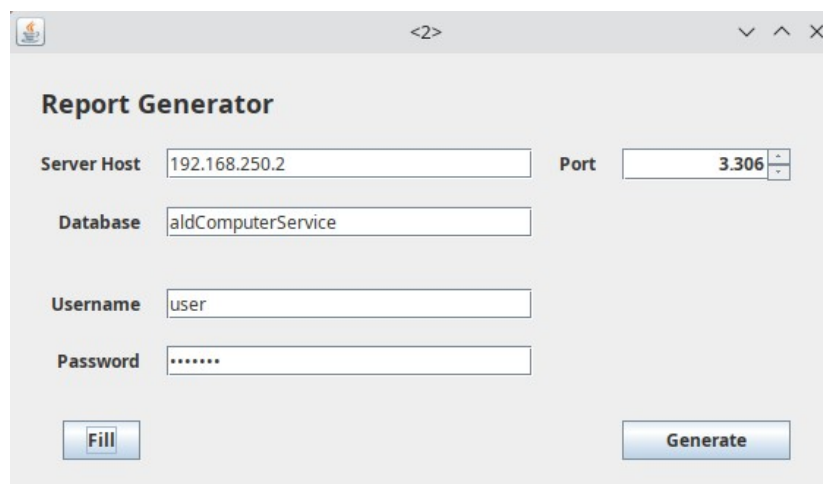
We can see text fields that ask for information about the connection to the database. The data to be filled in are:

- Server Host
- Port
- Database
- Username
- Password



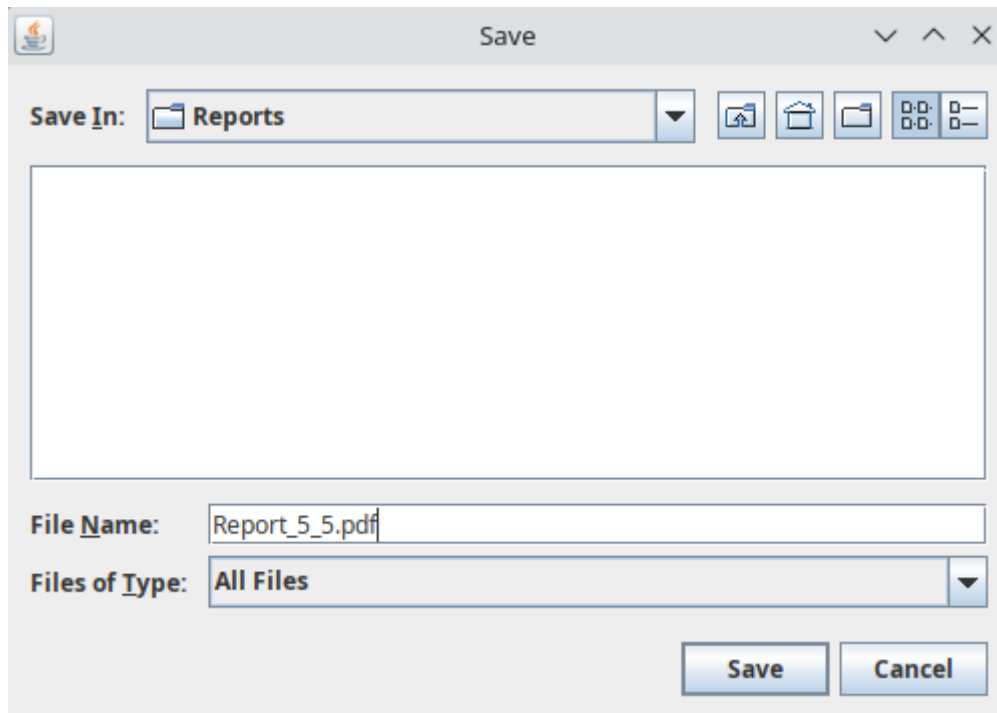
The screenshot shows a window titled "Report Generator" with a standard Linux-style title bar. Inside, there are five input fields: "Server Host", "Port", "Database", "Username", and "Password". The "Port" field is a spinner box currently set to "0". At the bottom, there are two buttons: "Fill" on the left and "Generate" on the right.

We can fill in the data manually or we can use the Fill button which will set the default settings to make the connection to the database. By pressing the Fill button:



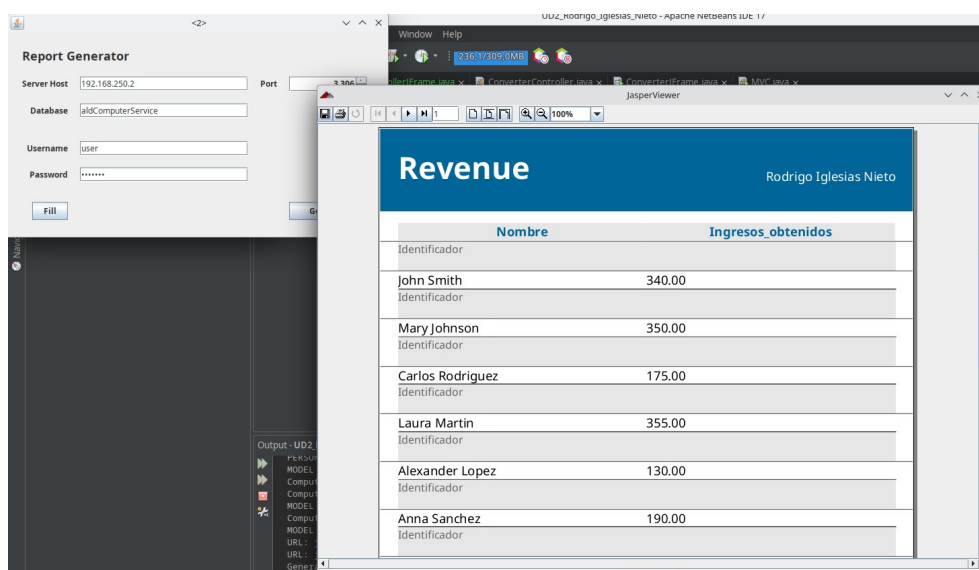
This screenshot shows the same "Report Generator" window after the "Fill" button has been pressed. The "Server Host" field now contains "192.168.250.2", the "Port" spinner is set to "3.306", the "Database" field contains "aldComputerService", the "Username" field contains "user", and the "Password" field is filled with seven dots. The "Fill" and "Generate" buttons remain at the bottom.

Once we have the data entered, we can click on the Generate button, which will show us a window in which we must select the path where the report will be saved in PDF format. By default, this window will open a Reports folder in the base folder of the application.



The default file name will be Report_5_5.pdf. We can change it to our liking but we must add the extension .pdf to the name.

Once we have selected the path and name of the file we want, we can click Save. When we press Save we must wait because if everything is correct the report is being generated. If everything goes well, after a few seconds a window will open in which we can see the newly generated report.



The report generated by this window is the money paid by each customer in the company.

4.1.1 Possible errors

The errors that can be found in this window are the following:

- Error connecting to the database. This error displays a message and the URL to which the connection was attempted to make to make it easier to see the error.



- Error creating the report:



5. Notifications

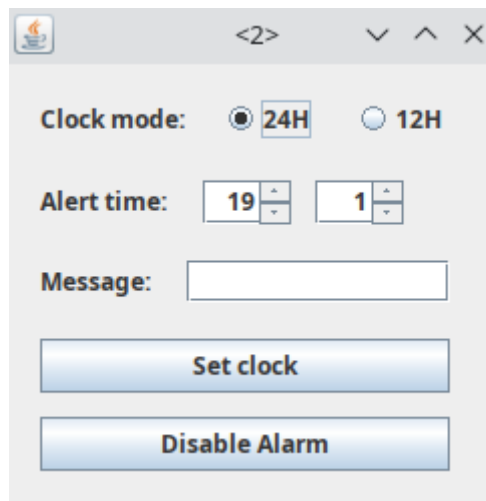
5.1 Content

In this window we find the menu of the notifications or alerts of the application. We can also configure the clock from 12-hour to 24-hour format. In addition, it allows us to set alerts that will appear in the application.

We can find:

- Clock mode: select the mode that the main application window clock will work with.
- Alert time: choose the time of the alert, select an hour and minute.
- Message: the text that will display the notification.
- Set clock: save the selected mode for the clock and enable the alert time if the message text field is not empty.

- Disable alarm: will disable the alarm if there is one notification running in the background.

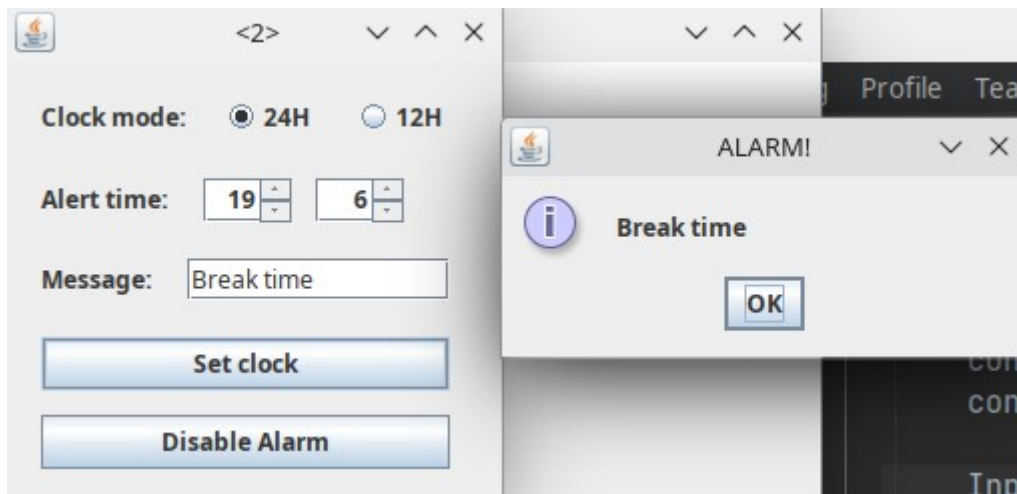


A screenshot of a software window titled "<2>" with standard window controls (minimize, maximize, close). The window contains the following elements:

- Clock mode:** Two radio buttons, "24H" (selected) and "12H".
- Alert time:** Two spin boxes. The first shows "19" and the second shows "1".
- Message:** A text input field.
- Buttons:** Two blue buttons at the bottom, "Set clock" and "Disable Alarm".

An example of a notification:

This is how we would set up a notification and how the message will be shown:



This block contains two overlapping screenshots. The background is the same alarm configuration window as in the previous image, but with the "Alert time" set to 19:06 and the "Message" field containing "Break time". Overlaid on top of this is a notification window titled "ALARM!". The notification window has a close button (X) and contains:

- An information icon (i) in a circle.
- The text "Break time".
- An "OK" button.