

User Manual for the Waiter and Cashier Automation System (SAMC)

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1. Introduction

1.1. Purpose of the Manual

This manual is intended to guide users through the installation, configuration and use of the SAMC system. It is intended for both restaurant customers and restaurant staff, in order to optimize the ordering, payment and inventory management experience.

1.2. Scope of the System

The SAMC system is designed to improve the operational efficiency of the restaurant "Agachaditos de la Ajavi". It allows restaurant managers to view inventory, add and remove products from inventory, receive notifications when a product is running low, manage orders and validate payments. In addition, customers can place orders from their devices, select payment methods and receive real-time notifications.

2. System Requirements

2.1. Compatibility

The SAMC system is compatible with Windows operating systems that have Java and a JDK (Java Development Kit) installed. Make sure you meet the following requirements:

- Operating System: Windows 7, 8, 10 or higher.
- Java Runtime Environment (JRE): Version 8 or higher.
- JDK: Version 8 or higher (required to run the .jar file).

2.2. Internet connection

The system requires a stable internet connection to function properly, especially for order synchronization, payments and inventory updating.

3. Installation and Configuration

3.1. Installing Java and JDK

Before running the SAMC system, you need to install Java and the JDK on your computer. Follow these steps:

1.Download Java:

- Visit the official Java site: <https://www.java.com>.
- Download and install the latest version of Java Runtime Environment (JRE).

2.Download JDK:

- Visit the official Oracle site: <https://www.oracle.com/java/technologies/javase-downloads.html>.
- Download and install the latest version of the JDK.

3.Configure Environment Variables:

- Open Control Panel and select System and Security > System > Settings advanced system.
- On the Advanced tab, click Environment Variables.
- In the System Variables section, find the Path variable and click Edit.

- Add the JDK installation path (for example, C:\Program Files\Java\jdk-<version>\bin).
- Save changes and close the windows.

3.2. Installing the SAMC System

1. Install the .jar file from a USB:

- Install the SAMC.jar program provided by the Juniors Programmers development team.

2. Run the .jar file:

- Double-click the SAMC.jar file to run the system.
- If the file does not run, open a terminal (CMD) and run the following command:

```
Java -jar SAMC.jar
```

3. Initial Configuration:

- The first time you run the system, you will be asked to configure some parameters, such as the database connection and restaurant details.
- Follow the on-screen instructions to complete the setup.

4. Main Functionalities

4.1. Placing Orders

Create the username and password to enter the program:

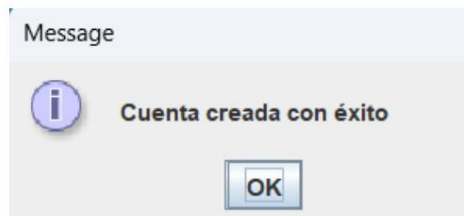
On the main screen, since this is the first time you enter the program, you must create a user and password. At the bottom of the program screen, you will see a button that says create account. The user must click on the button.



The screenshot shows a login interface for 'AGACHADITOS DE LA JAVI'. The title is in large white letters on a teal background. Below the title, it says 'Por favor, ingrese sus datos'. There are two input fields: 'Nombre de usuario:' and 'Contraseña:'. To the right of the input fields is a cartoon illustration of a restaurant building with a red roof and a yellow door. At the bottom, there are three buttons: 'Iniciar Sesión' (centered), 'Salir del programa' (bottom right), and '¿No tienes una cuenta? Crear Cuenta' (bottom left).

Then another window will appear in which you can create the user and password, after filling in this data the user must click on the create account button, the program will

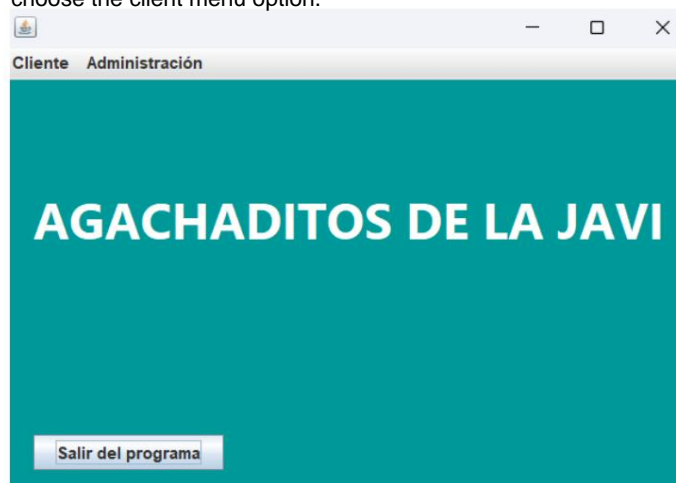
It will validate and give a message which will say account created successfully and your username and password will be created to be able to use the SAMC program.



The program will send you back to the main window, where you will need to enter your username and password to use the program.

4.2 Access to the client interface:

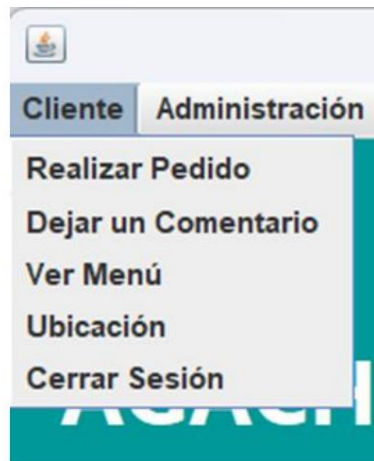
When you enter your username and password, this interface will be displayed in which you must choose the client menu option.



By clicking on the client option, a menu will be displayed showing the options available to the client, such as:

- Place order
- Leave a comment

- See the restaurant menu
- See the location of the restaurant
- Log out



4.3. Access to the Digital Menu:

- The digital menu can be accessed by clicking on the menu option.
- The program will display a digital menu which will show each dish that offer the restaurant with its respective (ID, name, description, price and how many are in the inventory).



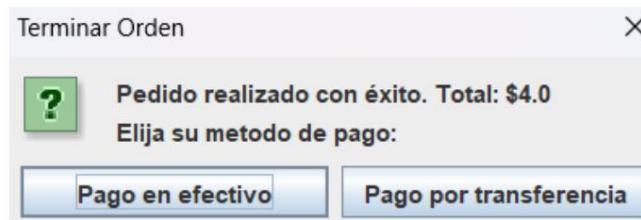
ID	Nombre	Descripción	Precio	Inventario
1	Guata pequeña	Plato tradicion...	1.25	3
2	Guata mediana	Plato tradicion...	2.0	28
3	Guata extragra...	Plato tradicion...	2.5	20
4	Papas con cue...	Papas con cue...	2.0	11
5	Seco de chivo	Plato con carn...	2.5	15
6	Seco de chanc...	Plato con carn...	2.5	15
7	Seco de costilla	Plato con costil...	2.5	15
8	Seco de pollo	Plato con carn...	2.5	14
9	Mixto seco de ...	Mezcla de poll...	3.5	15
10	Mixto seco de ...	Mezcla de cost...	3.5	13
11	Mixto papas co...	Mezcla de pap...	3.5	15
12	Mixto seco de ...	Mezcla de chiv...	3.5	13
13	Mixto seco de ...	Mezcla de cha...	3.5	11
14	Mixto seco de ...	Mezcla de poll...	3.5	15
15	Mixto seco de ...	Mezcla de cha...	3.5	15
16	Mixto seco de ...	Mezcla de cost...	3.5	15

4.4. Place orders

- When selecting the place order option, the following interface will be displayed:
where orders can be placed.
The user must choose the dish they want to order, the quantity of dishes and then click add, they must click on the add button, the dish will be added to the order, do the same with the different dishes they want.

order once finished adding dishes fill in the data and click on the order button to place the order.

- Once the order is placed, the program will show you the total to be paid.



4.5. Payment Methods

1.Cash Payment:

- The customer selects the cash payment option.
- The system will generate a code that the client must present to the staff at the time to pay.

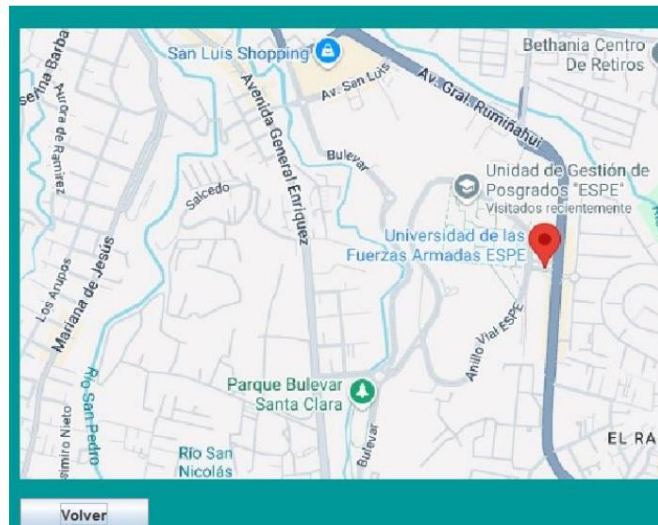
2.Payment by Bank Transfer:

- The customer selects the payment option by transfer.
- The system will display the restaurant's bank details and generate a unique code.
- The client must present the transfer receipt to the staff to validate the transfer. pay.



4.6.Location

- Selecting the location option will display a map with the location from the restaurant

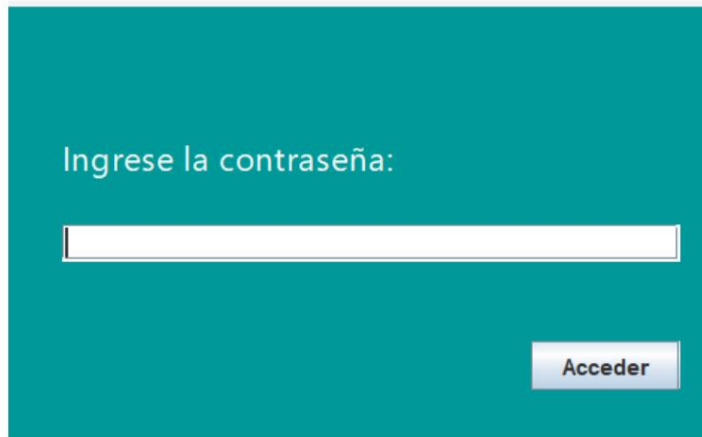


4.7 Comments

- The customer will be able to leave a comment about how the food and service was at the restaurant, which can serve as a review for future customers.

4.8.Administrator mode

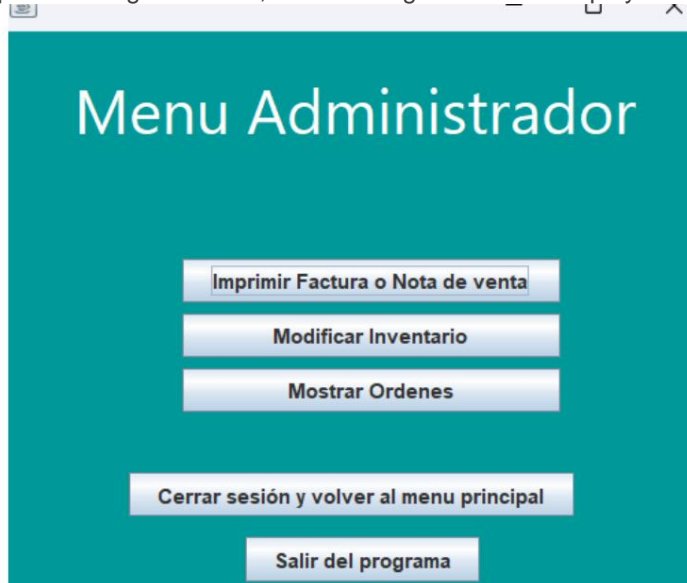
- When selecting the administrator mode option, the user will be shown a window in which they must enter their user password to enter this mode. The password will be provided by the restaurant manager.



Ingresa la contraseña:

Acceder

- Upon entering this mode, the following sale will be displayed.



Menu Administrador

Imprimir Factura o Nota de venta

Modificar Inventario

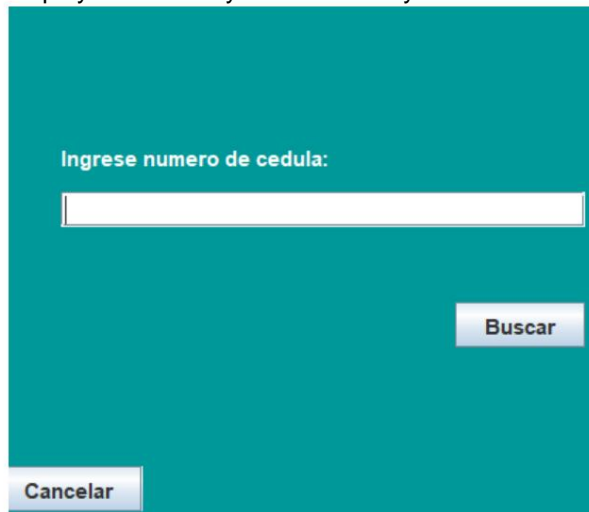
Mostrar Ordenes

Cerrar sesión y volver al menu principal

Salir del programa

4.9.Print Invoice

- When you select the print invoice option, a window will be displayed in which you must enter your ID number.



Ingresa numero de cedula:

Buscar

Cancelar

- After entering your ID number, the program will ask if you want to print the invoice, otherwise the sales note. When selecting either of the two cases, the invoice will be printed on the screen in addition to generating a PDF file that will be saved on the machine.



4.10 Modify Inventory

- When choosing the option to modify inventory, the following screen will be displayed.
- With the options of:
 - Add Stock
 - Add dish
 - Edit dish



4.12.Add Stock

- By choosing this option to add stock, the following window will be displayed in which you can add new stock to the inventory.

ID	Nombre	Inventario
1	Guata pequeña	2
2	Guata mediana	23
3	Guata extragrande	20
4	Papas con cuero	10
5	Seco de chivo	15
6	Seco de chanco	15
7	Seco de costilla	15
8	Seco de pollo	14
9	Mixto seco de pollo y guata	15
10	Mixto seco de costilla y guata	13
11	Mixto papas con cuero y guata	15
12	Mixto seco de chivo y guata	13
13	Mixto seco de chanco y guata	11
14	Mixto seco de pollo y papas	15
15	Mixto seco de chanco y papas	15
16	Mixto seco de costilla y papas	15
17	Mixto seco de chivo y papas	13
18	Mixto con doble carne; pollo	13
19	Banderas	19
20	Fideos	18
21	Salchipapa	10
22	Bandera	15

Seleccione el producto

Ingrese la nueva cantidad

Guardar

Volver

4.13.Add cymbal

By choosing this option to add stock, the following window will be displayed in which you can add a new dish to the inventory.

Atras

Añadir Platos

Nombre

Descripción

Precio

Inventario

Añadir

4.14.Edit Cymbal

By choosing this edit dish option, the following window will be displayed in which you can edit an existing dish in the inventory

Actualizar Platos

Platillo

Guata pequena

Nombre

Descripción

Precio

Inventario

Actualizar Atras

5. User Interface

5.1. Client Interface

- Digital Menu: Shows the available dishes with their descriptions and prices.
- Order Confirmation: Displays a summary of the order with the total to be paid.
- Payment: Allows you to select between cash payment or transfer banking.
- Rating: Provides a screen to rate the service and leave comments.

5.2. Staff Interface

- Order Management: Displays confirmed orders with details such as table number and dishes ordered.
- Payment Validation: Allows staff to validate cash payments or verify transfer receipts.
- Reports: Generates daily sales and inventory status reports.

6. Troubleshooting

6.1. Common Problems

- Cannot run the .jar file: Make sure you have Java and the JDK installed correctly. Check the environment variables.
- The digital menu cannot be accessed: Please check your internet connection and make sure you are using the correct link.
- Dish not available: The system will automatically mark out-of-stock dishes. Please select another option.

- Payment error: If the payment is not processed correctly, please contact the restaurant staff for assistance.

6.2. Technical Support

- For additional technical issues, please contact the restaurant's technical support via email: soporte@agachaditos.com.

7. Future Updates

7.1. QR Code Implementation

In future versions of the system, it is planned to implement QR code functionality so that customers can access the digital menu by scanning a code at their table.

This will further improve the user experience by reducing wait time and making it easier to access the menu.

8. Glossary

SAMC: Waiter and Cashier Automation System.

Digital Menu: Electronic version of the restaurant menu, accessible from mobile devices.

ID Identifier generated by the system for each order, used for tracking and validation.