

UNIVERSIDADE SAO TOMAS DE MOCAMBIQUE

WEB DESIGN

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**ORDERING SYSTEM USING QR CODE FOR RESTAURANT ( students Tuckshop)**

**INTRODUCTION**

In an effort to streamline the food ordering experience and make it more efficient for students, the school canteen will be implementing a QR code-based ordering system. This new process allows students to place their food orders directly from their smartphones, reducing wait times and improving overall convenience.

The system works by providing students with access to a digital menu through a simple QR code scan. Students can browse the menu, select their food items, and pay online without having to physically stand in line at the counter. Once the order is confirmed and payment is made, the student will receive a confirmation along with an estimated pickup time.

This QR code-based system not only enhances the ordering experience but also promotes a safer, contactless environment within the canteen. It ensures that orders are placed efficiently and accurately, and the canteen staff can better manage food preparation and delivery.

Below is a step-by-step guide on how the QR code ordering process will work for students and staff alike.

**How the QR Code Ordering Process Works**

**1. Displaying the QR Code**

The canteen will place QR codes in easily accessible locations around the cafeteria or dining area. These codes will be printed on tables, menus, or posters on the walls. Students simply need to scan the QR code using their smartphones to access the food ordering system.

**2. Scanning the QR Code**

Students use their smartphone cameras or a QR code scanning app to scan the code. After scanning, the student will be automatically redirected to the school canteen's online menu page.

**3. Browsing the Menu**

Once on the digital menu, students can browse the food options available for the day. The menu will include descriptions, prices, and any customization options (e.g., meal size, toppings, etc.). The menu will be simple to navigate, ensuring that students can quickly make their selections.

**4. Adding Items to the Cart**

Students can select the items they want and add them to their digital shopping cart. Customizations (such as adding extra toppings or making specific requests) can also be made at this stage.

**5. Reviewing the Order**

After adding all desired items to the cart, students will be directed to a review page. Here, they can check the list of their selected items, view the total cost, and verify any special requests they’ve made. This step ensures that the order is accurate before proceeding.

**6. Payment**

Once the order has been reviewed, students will be prompted to make a payment. Payment options can include:

* **School Account Payment**: If the school has a prepaid account system for students, the payment will be deducted from their balance.
* **Online Payment**: Students can choose to pay using debit/credit cards or mobile payment systems (Google Pay, Apple Pay, etc.).
* **Cash on Delivery**: In cases where online payment is not preferred, students may opt to pay in cash when picking up their food.

**7. Order Confirmation and Pickup Time**

Once payment is processed, the student will receive a confirmation screen showing the order details, including the selected food items, total cost, and an estimated time for pickup. This confirmation will also be sent to the student’s phone via email, SMS, or app notification. If the system has a real-time tracking feature, students may see their order status change from "Order Placed" to "Order in Progress" or "Order Ready."

**Confirmation Includes:**

* Order Number: A unique identifier for the order.
* Estimated Pickup Time: An approximate time the food will be ready for pickup.
* Order Status: Real-time updates on whether the order is in preparation or ready for pickup.

**8. Food Pickup**

When the food is ready, students can head to the designated pickup area in the canteen. Staff will be ready to hand over the pre-ordered food, and students can show their order confirmation (on their phone or printed) to collect their meals.

In conclusion, the QR code-based food ordering system for the Tuckshop will provide students with a fast, convenient, and contactless way to order their meals. It will streamline the ordering process, reduce wait times, and improve efficiency for both students and staff, creating a smoother and safer dining experience.