Canteen Automation System using Android

Introduction:

This system prominently relieves the burden on the canteen's end, as the entire method of taking orders is computerized. Once an order is placed on the android phone, it is entered into the database and then retrieved, in pretty much real-time. Within this application, all items in the order are displayed, along with their equivalent options and supply details, in a summarizing and easy to read manner.

❖ **Modules:**

The system comprises of 3 major modules and their sub modules as follows:

1. **Admin:**
   o **Login:** A login interface for the admin.
   o **Add Canteen/ restaurant:** To add a list of canteens under control of the management.
   o **View/Edit/Delete Canteen:** All the added canteens are managed by the admin.
   o **Add Students:** Initially the users are given with the username and password, else they can create one.
   o **View/Edit/Delete Students:** allow or prohibit the users from accessing the application.

2. **Canteen:**
   a. **Login:** A login interface for the canteen owners.
   b. **Add Items:** To add a set of food items and their rates.
   c. **View/Edit/Delete/Enable Items:** To update the availability of food items and their cost.
   d. **View New Orders:** To check new orders placed.
   e. **Update Status:** To notify or update the ETA of the order.
   f. **Cash On Delivery (COD)**

3. **Student:**
   a. **Login:** A login interface for user.
   b. **View Menu:** To view the set of foods available at the desired cafeteria.
   c. **Review & Place Order:** To view the summary of the order placed and finalize.
   d. **Generate OTP Code for Order:** Confirmation while receiving food.
   e. **Cash On Delivery (COD)**

Advantages:

- Completely automated online ordering of food in a canteen.
- Order can be placed using personal android phones.
- Food ordering pages that look and feel exactly the same as the existing restaurant website.