

App used to entry food orders to a database for record and monthly canteen bill report generation. This app includes separate item selection menu for employees and contractors and works only if connected to the network.

IALCafe App V2.0

User Manual

Bluebase



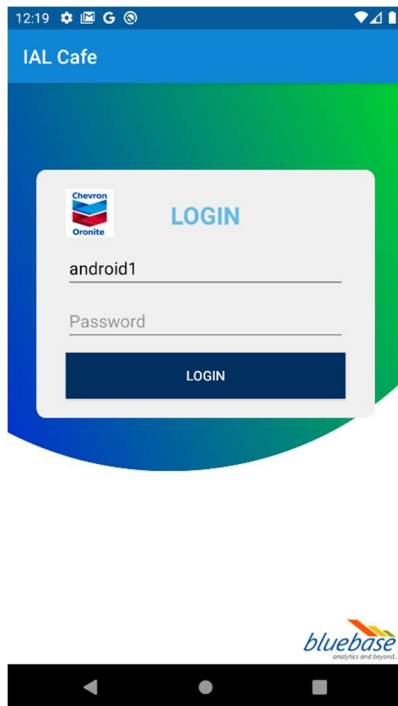


IALCafe App

New Features

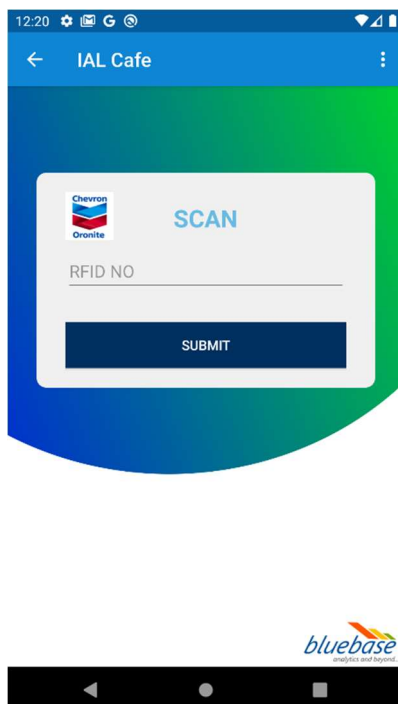
- New UI design.
- App works only if connected to the WIFI.
- Checks if the user has item quantity available on the server every time.
- The app has separate menu quantity selection method for contractors.
- The app has been tested for all possible errors for entry into the database.
- Most of the menu configuration changes to the app can be made from the server database itself and the changes will be reflected on update.
- Faster performance. Cleaner codebase.
- The php code for the backend side has been reduced and renewed for faster performance.

Login Activity



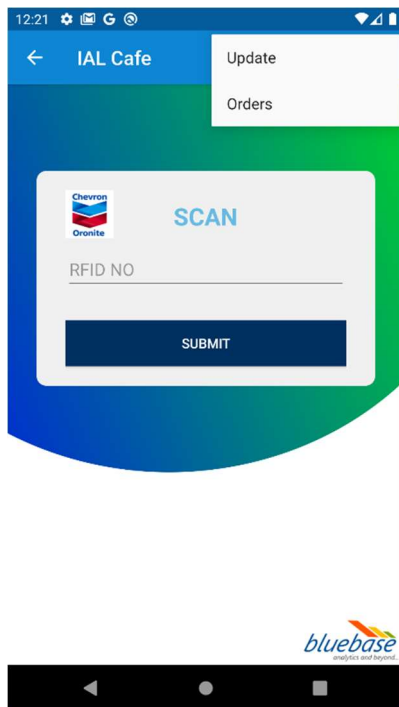
- This activity allows the user to login to the application with only a specific username fixed permanently.
- Before logging in, the app checks if the connection to the server is live. If the connection is inactive then the app exists automatically after showing a toast message that the app is not connected.

Scan Activity



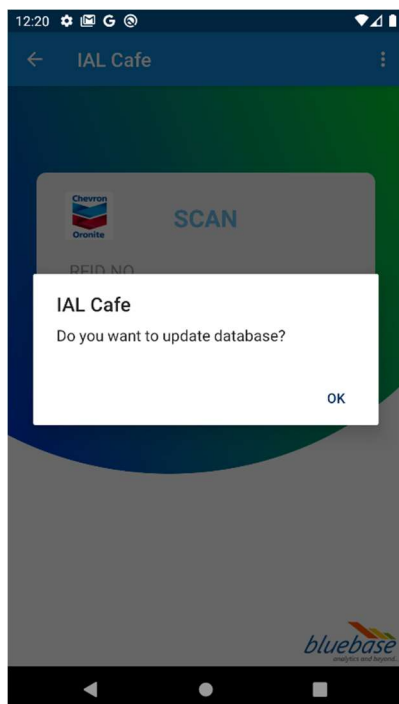
- Scan the RFID No. of any card and display the menu items as per their availability. The app can scan the card using the Front Camera available in the Honeywell ScanPal Device.
- The input can also be entered manually. This activity also verifies that the device is connected before it moves to the next activity. But the RFID card verification is done using the local copy of the database.

Options Pane



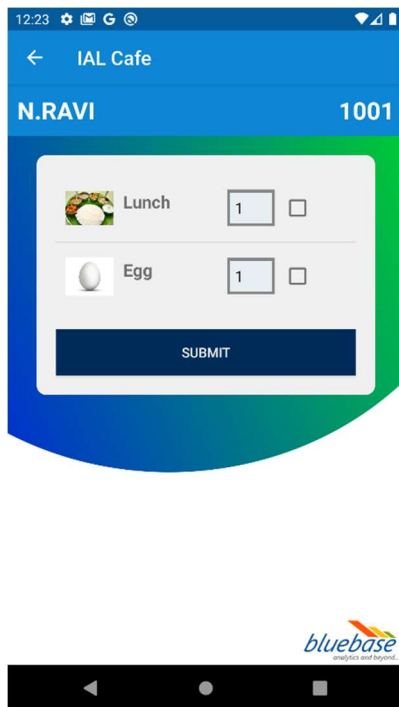
- Shows the update and orders options. The sync option from the previous version is no longer there as the app only works when connected to the network at all times.
- The Update and Orders options are modified with new UI and cleaner code to fetch and entry to the local database.

Update Local Database



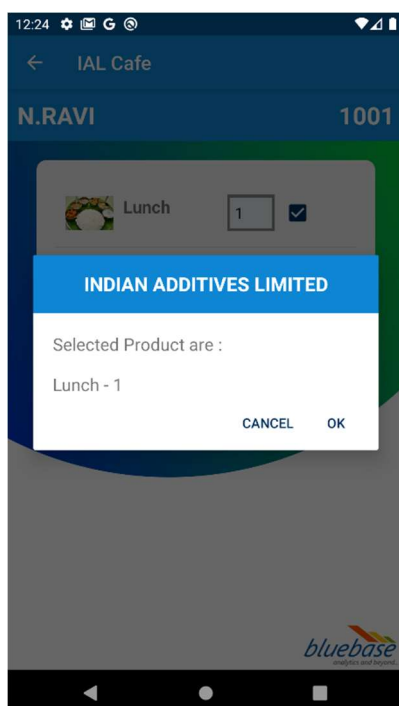
- This option does fetch the data from the remote server and creates the necessary tables in the local SQLite database and entries the rows onto them.
- The local copy of the external database is necessary to speed up the menu item selection process and allows new menu configurations from the server database to be reflected with an update.

Display Menu Activity



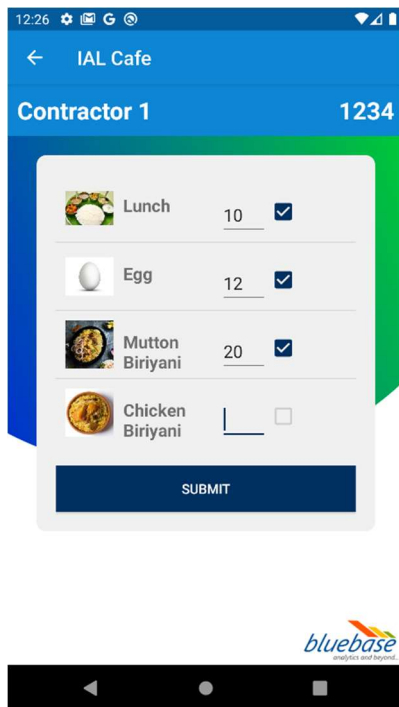
- Displays the menu activity as per the item availability of the user. The app checks the server database every time for the available items. The app is programmed to show the menu list only if the user has availability in the server.
- The menu will not show if the app is somehow disconnected at this stage and will exist on no internet connection.

Show User Selected Items



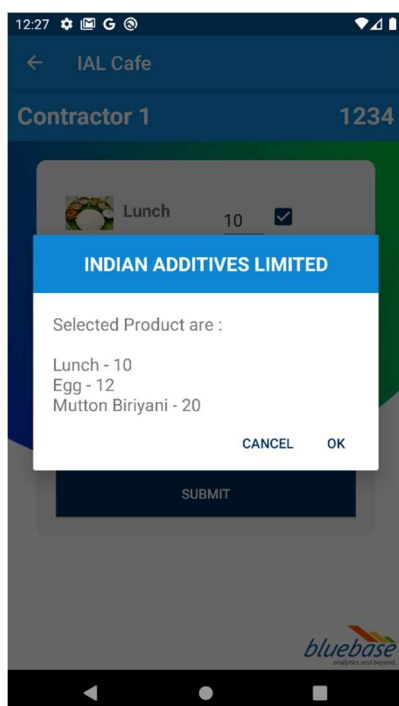
- The selected items list menu is completely rewritten to accommodate new android UI's related customs and recommended methods. This avoids the previous version's multiple entry error and other coding errors that leads to unwanted entries to the database.
- The app is programmed to automatically verify the network availability and exist on no network.

Display Menu Items for Contractors



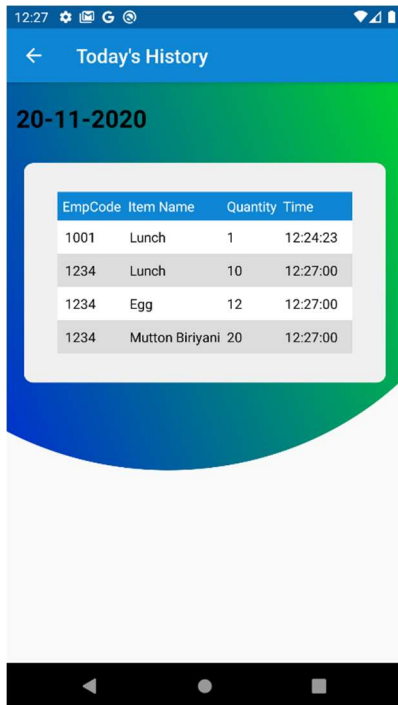
- The display menu is modified for contractors. The quantity is given as number above zero instead of a dropdown list. The item availability check is skipped for contractors.
- The check box is made available only on an entry above zero. The menu will not be shown if the network connection to the server is lost and the app will exist.

Show Contractor Selected Items



- The selected items menu for contractors is the same as the selected items menu for the users. This menu is rewritten and modified new with UI and with changes to avoid multiple entries and unwanted errors to the database using the version 1's sync method.
- This code is much cleaner and accommodates the new features. The app will exist on no internet connection.

Orders Activity



EmpCode	Item Name	Quantity	Time
1001	Lunch	1	12:24:23
1234	Lunch	10	12:27:00
1234	Egg	12	12:27:00
1234	Mutton Biryani	20	12:27:00

- The orders activity shows the today's date and today's entries for the android device. The app shows the Employee Code, Item Name, Quantity and Time for each entry. The entries are only a history of the orders and the original is already reflected on the server database.
- This activity is programmed to deleted all the entries in the local database on the next day and show the new entries for that day.