

R Notifier (Wireless Calling System)

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Abstract

Imagine you run a restaurant that is jam-packed on a Friday night, and you have customers waiting for the attendant to come and take their order (or get them the check when they're done) only to realize that your waiters are too busy attending other patrons. After countless hand-waving and calling attempts, they run out of patience and the irritability is attributed to the service quality. A common scenario, isn't it? So how can service businesses ensure that each and every customer is attended to in the best possible manner? Well, that's where the R-Notifier by ReckonPlus comes into the picture. With a remote and receiver (with a range of 100 metres), this easy-to-install and user-friendly system makes the communication between your staff and the customer faster, streamlined and highly responsive. The remote is basically a small device (with buttons) that can be placed on the restaurant table (or say, next to a hospital bed). When the user presses a button, a unique wireless code is sent to the receiver, notifying the table number or room number (that flashes in the form of an LED light on the receiver's front panel). It also comes pre-loaded with a voice announcement feature. Your service team can instantly get alerted about the call and the customer's request can subsequently be fulfilled efficiently.

1 Introduction

R notifier is a Wireless Calling System for getting an attention of Waiter in restaurant. There are two buttons on a remote which we called as R-remote consist of 'CALL' and 'CANCEL' button. If customer presses a call button then a web based user interface is created in a such way that respective table will get alert on screen that this table wants an attention of Waiter. Then waiter will go to that table and will take an order by using android app. these orders will be showcased at chef panel in kitchen. by this process order will be taken and complete restaurant will run in a efficient manner .

Keywords: Rfsniffer,R notifier, Admin, data analysis, local server, responsive UI.

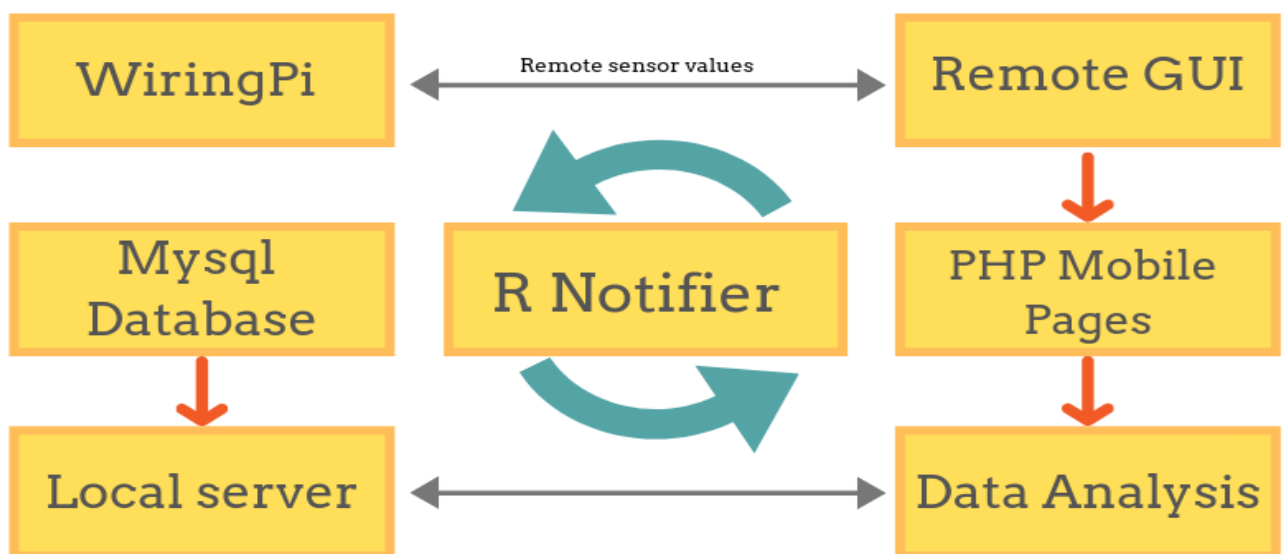
Existing system



It was an electronic device with led light blinking on pressing the call button of transmitter remote and on pressing cancel button the blinking stops. Buzzer system was not available in existing system.it was costly and also inconvenient. Additional table number cannot be extended as per customer requirements.

Proposed system

1. Customer presses a call/cancel button where call means customer wants attention of waiter and cancel means everything is going great at particular table.
2. Waiter will see that this table wants waiter for providing service.
3. Waiter will have unique ID by which he can log in to take orders from various tables(one table at a time for one waiter)
4. Waiter will add an orders in cart which will be given by customer.



5. These orders will go into the chef panel(Web based UI) where chef will receive order page from particular table. Chef will make their food
6. After this overall process bill will be generated and receipt will be printed in the form of pdf.
7. Data analysis is conducted for daily sales report.

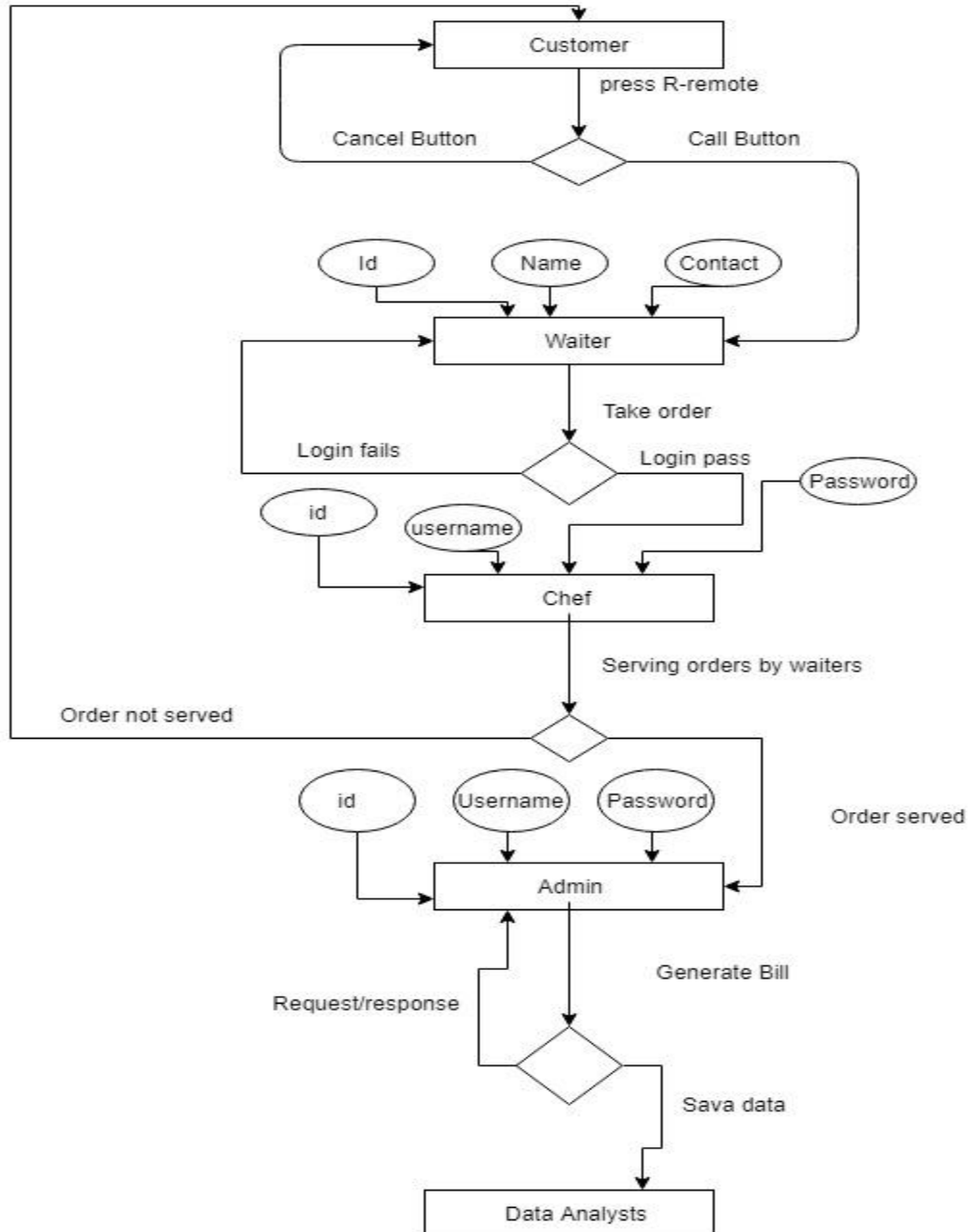


Fig: Proposed system Flowchart

Conclusion

R notifier technology is user-friendly system makes the communication between your staff and the customer faster, streamlined and highly responsive also it has powerful database management system for Data analysis purpose of daily food/order management system. This full system is free from internet(Local server application) and can communicate android with web pages.

Future scope

- [1] Restaurants, hotels , cafes and nightclubs
- [2] Hospitals , Spas and salons, Health and fitness clubs
- [3] Shopping malls , Banks ,schools and colleges

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