Food Order in Train

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Abstract - *Food Order in Train application is to develop a system that offers new services online. Food Order in Train is an android application which is designed to order the food online via mobile application while traveling through a train. While people travel the long distance through a train, the main problem they face is food. To overcome such problem, we want to develop a mobile application through which we are ordering the food online. If the person wants to order food he/she can directly order the food from our application, So that the food is delivered directly to his/her seat and cash-on-delivery (COD) process takes place between the customer and the person who delivers the food to user from the particular train kitchen which he/she orders. This Food Order in Train application provides more comfort for the users in ordering the food. By implementing this Food Order in Train project in the present railway system, the passengers can overcome the problems faced regarding their food needs*

Key Words: *Train Food Ordering System, Recommendation systems.*

1. INTRODUCTION

The system helps railway passengers to order food from the train kitchen while traveling. The system will offer a quick and essay way to choose a meal from the menu published by IRCTC and order will be delivered to your seat. This project will get quick access to the food menu give feedback immediately and there will be less wastage from the passenger's side. Second, the kind of database help railway organizer will get an analysis of how much food inventory should be made, what kind of quality should be maintained, all records of deliverer. The app will help find the right passengers based on seat number and food will be delivered as soon as possible.

Since organizers have all the list of orders, they will be image slider for promoting message to travelling passengers.

2. LITERATURE SURVEY

In [1] there was an attempt to design and implementation of digital dining in restaurants using android technology. This system was a basic dynamic database utility system which fetches all information from a centralized database. This application improved the accuracy and efficiency of restaurants as well as human errors. Earlier drawbacks of automated food ordering systems were overcome by this system and it requires a onetime investment for gadgets.

In [2] an application of integration of hotel management systems by web services technology is presented. Ordering System Kitchen Order Ticket (KOT), Billing System, Customer Relationship Management system (CRM) are held together by the Digital Hotel Management. Add or expand of hotel software system in any size of hotel chains environment was possible with this solution.

In [3] research work aims to design and develop a wireless food ordering system in the restaurant. Technical operations of Wireless Ordering System (WOS) including systems architecture, function, limitations and recommendations were presented in this system. By providing higher quality customer service and reducing human errors to improve the management aspect for restaurants, pervasive application will be a valuable tool due to the high demands of handheld devices such as PDAs.

In [4] along with customer feedback for a restaurant a design and execution of wireless food ordering system was carried out. It enables restaurant owners to setup the system in wireless environment and update menu presentations easily. Smart phone has been integrated in the customizable wireless food ordering system with real-time customer feedback implementation to facilitate real-time communication between restaurant owners and customers.

In Paper [5], the purpose of this study was to investigate the factors that influence the attitude of internet users towards online food ordering in Turkey among university students. A Technology Acceptance Model (TAM) developed by Davis in 1986 was used to study adoption of Web environment for food ordering. Trust, Innovativeness and External Influences are added to the model as main factors along with TAM.

3. BACKGROUND

Communication has become a very important and necessary components in our day life. Here smartphone has helped us more than just communication i.e. sharing information. To share the information resource among the people for solution must have to connected to facilitate the communication process. So, we had some researched over the information sharing for real time use and we got a problem to solve, i.e. food delivery for railway passengers. Railway passengers. Railway's needs real time food menu from railway kitchen from which they like to make an order. So, railway organizers provide the menu information and

receive order. Here organizers and passengers and made the food delivery process quick.

Even we have provided facilities like feedback for improvement in process and image banner for promotions.

4. SYSTEM ARCHITECTUR

This application is having 2 major modules with their sub-modules:

- **Seller Login**

- **Customer Login**

Seller Login: Seller would be having a login account. He can see the customer order details like customer name, customer mobile no, customer meals order.

Registration:

- Seller should register on the system.

Train Details:

- Seller will add the train number.

Place Order:

- Seller will place the order to customer.

Accept and deliver:

- Seller will accept and mark complete after the delivery of food.

Past order:

- Seller can see the details of past orders done.

Customer Login: Customer who is ordering the food must first create an account in the system by registering themselves and then can login into the account to begin with order.

Register:

- Customer can register their details.

Past order:

- Customer can see the past order details.

Order Food:

- Customer order food.

Order Delivery:

- Customer will get his ordered food.

Feedback:

- Customer can give their feedback about the whole process
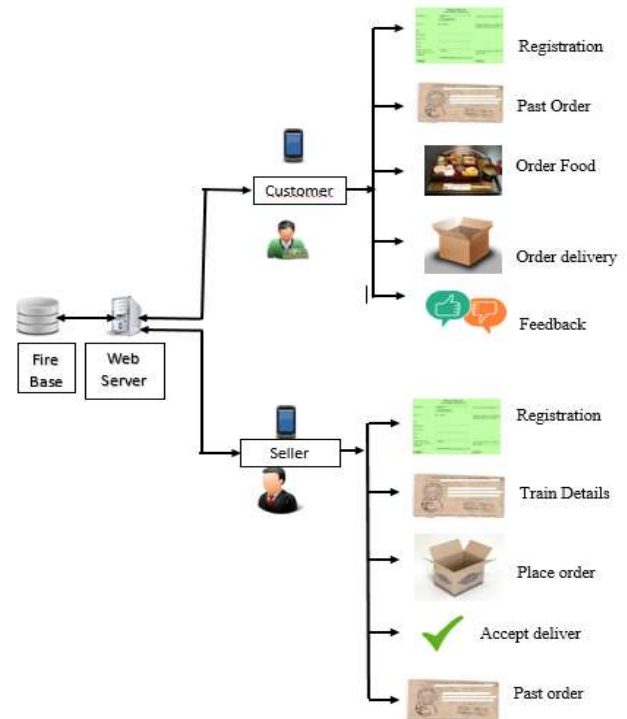

Fig1. Architecture of system

5. FEATURES

- Ordering the food online while travelling by train.

- Provide more comfort for the users in ordering the food.

- To avoid the unhygienic food.

- The passengers can overcome the problems faced regarding their food need Complaints / Reviews can also be given about the food service.

- Customer will be provide with good food Quality and the taste.

6. RESULT

The result of our system application includes an Android Application. When Customer order food from Application he/she can see the status of order. he/she will get the order list on the screen dynamically.

The customer can check the status of the order through the Order Status interface provided in the GUI of the application. We have developed the system application in such a way that the customer can order the food and check the status of

order. When order is delivered to the customer the status of order is changed to completed order.

Once the order is delivered to the customer, Customer can give feedback regarding his experience with the entire application and the food. Customer should follow the application terms and condition.
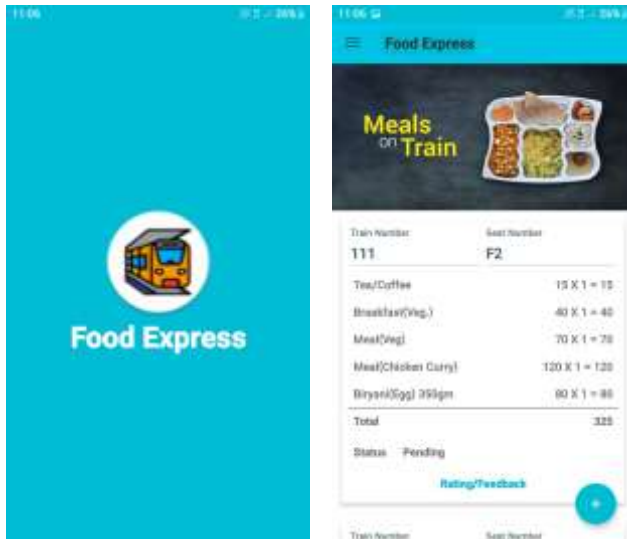

Fig -2: Screenshots

7. ADVANTAGE

- No need to waste time standing in long queues. Just use the food ordering app and once the food is ready, go and get it at once and leave. If an outing is planned, using the food ordering app.

- If planned properly, the health benefits are more in using the food ordering app

8. DISADVANTAGE

- The disadvantage is the menu choice. Mostly the menu choices are limited. If we stick to the system, for few months it will become repetitive.

- One of the biggest disadvantages in online food ordering is the place or exact location of the customer.

9. FUTURE ENHANCEMENTS

In future, we suggest to use this technology in communication field to avoid the unhygienic food and overcome health problems for current using railway catering system.

Because of maintenance cost of this technology is very low compared to the current using method that is economically this method became cheap and also results are very accurate.

10. CONCLUSION

We studied the efficient use of developing a Food Express Android application and making great use of it. We focused on the problems faced by the passengers who are travelling by train and developed this android application to overcome the causes affecting the people. We used these results to determine the usage of this application is very easy and everyone can make use of it by ordering their desired food at any place at any time.

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