

Food for Train App

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Abstract: *A mechanism that provides new services online is being developed for the Food Order in Train application. The major issue we have when taking a long train ride is food. To solve this issue, we want to create a smartphone application that allows for online food ordering. If a person wants to buy food, they can do so straight online. This way, the food is delivered right to your seat, and payment is made at the time of delivery between the customer and the person delivering the food from the restaurant we ordered. The users of this meal order in the train application can easily place their orders. The current railway system is adopting this food order in train initiative.*

Keywords: Food app

I. INTRODUCTION

Food orders are manually processed through the current rail system. This leads to mistakes and makes it challenging to process the orders. We have developed an integrated system to address this, which will replace the current manual ordering system. Customers can easily place orders from a food menu that is set up online by the online food ordering system. The management keeps the customer database up to date and enhances the food delivery service. To assist passengers in paying for food, we are also utilizing an advanced wallet feature. Through an intuitive graphical interface, railway employees can use these orders to process them quickly. Using smartphones more frequently is another motivation. Second, the type of database will assist railway organizers in obtaining an analysis of the amount of food inventory that should be made, the kind of quality that should be kept, and all deliverer records. Based on seat number, the app will assist in matching up passengers, and food will be brought as quickly as possible given that organizers have a complete list of orders.

II. LITERATURE REVIEW

The aim of the Paper was to examine the elements that affect internet users' perceptions of online food ordering among university students in Turkey. Davis Technology Acceptance Model (TAM), which he created in 1986, was used to research how well a Web environment for ordering food is adopted. Along with TAM, three additional primary factors—Trust, Innovation, and External Influences—are included in the paradigm. A design and implementation of digital eating in restaurants utilizing Android technology were done. This solution was a straightforward dynamic database tool that retrieved all the data from a single database. Restaurant efficiency, accuracy, and human error were all enhanced by this program. This technology was developed to address the previous shortcomings of automated food ordering systems and just requires a one-time investment in devices. Shows the hotel management integration applications system utilizing web services technology. Ordering, Billing Systems, Kitchen Order Ticket (KOT), CRM systems, or customer relationship management systems, are used by Digital Hotel Management, jointly. Expand on or add to any large hotel chain that can use hotel software. With this solution, a possible environment was made.

2.1 System Architecture

The system comprises one major module with their sub-modules as follows:

2.1.1 Passenger

- Register
- Login
- Profile
- Change Password
- Home
- Check Train & Drop Station Availability
- If yes you will be able to see the Menu
- Foods
- Search/Filter Food
- Food Details
- Add to Cart
- Upload Ticket details & Confirm Train
- Cart
- View/Remove
- Proceed to Payment
- Orders
- List of orders
- Track/Cancel
- Transactions
- Debit/Credit

2.1.2. Restaurant Member

- Login
- Manage Food
- Add/update/delete/view
- Enable/disable food
- Food preparation time
- Orders
- 1. Pending Orders:
- List of orders which are yet to be delivered –
- Approve/Reject/Cancel
- Assign Delivery Person
- Update Status
- 2. Today's Orders:
- List of all today's orders irrespective of status
- 3. All Orders:
- List all the orders
- Filter by date
- Manage Delivery Person
- Add/Update/Delete/View
- Manage Trains
- Add/Update/Delete/View
- Manage Stops & delivery & arrival time details

2.1.3. Delivery Agent:

- Login
- Orders
 - List of Pending Orders
 - Order details
 - Passenger/Train details
 - Drop details
 - Update Status
- Location Updates

2.2. System Requirements

2.2.1. Hardware Requirement:

Laptop or PC

- macOS Sierra and above (If Mac setup is required)
- Windows 7 or higher
- I3 processor system or higher
- 8 GB RAM or higher
- 100 GB ROM or higher Android Phone (6.0 and above) iPhone (iOS 9 and above) (If the iOS version needs to be checked)

2.2.2. Software Requirement:

Laptop or PC

- Android Studio with Flutter Plugin
- XCode (Latest version) (If the iOS version needs to be checked on Mac)
- Azure Data Studio


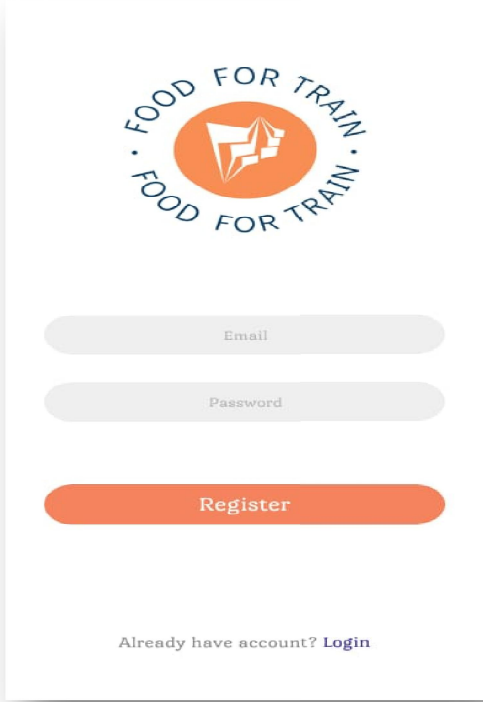
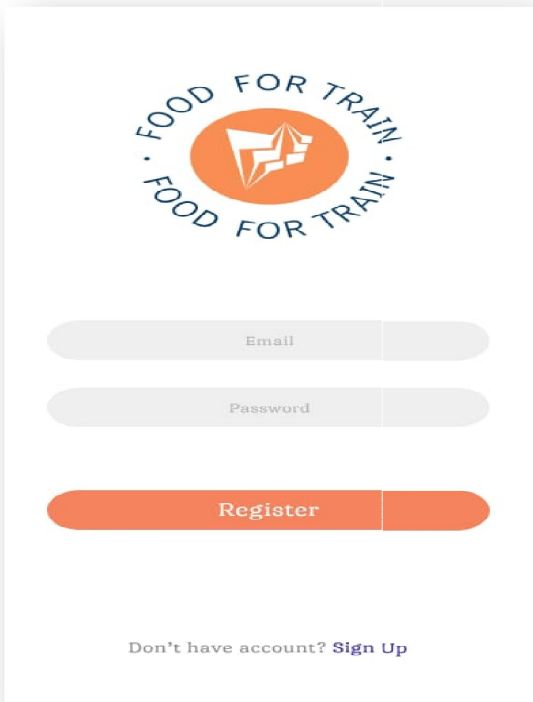
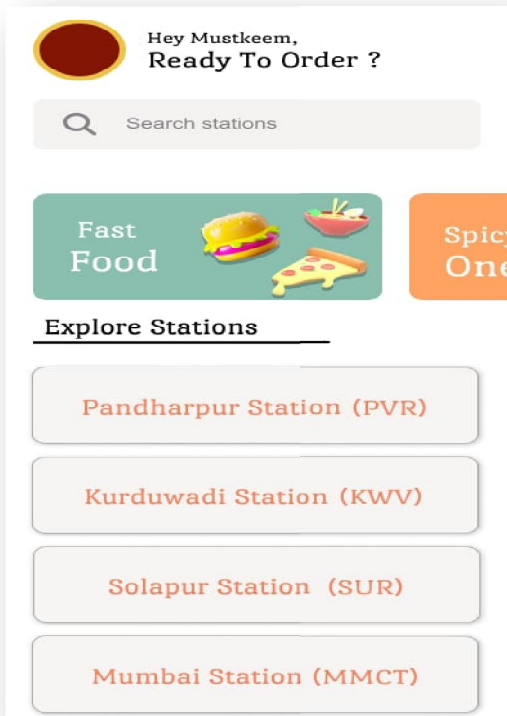
III. FEATURES

- It is simple to keep up.
- Users may quickly place meal orders and keep track of them.
- A filter or a straight search for food is both options available to the user.
- Both inside and outside the railway restaurant, this idea is useful.
- The passengers are capable of overcoming the challenges posed by their feeding requirements. The meal service is likewise open to criticism and reviews.
- The customer will receive tasty food of good quality.

IV. RESULTS

An Android application is one of the outcomes of our system application. When a customer orders food through the application, they can view the order's status. He or she will dynamically see the order list on the screen. The customer can use it to check the status of their order. The application's GUI provides an Order Status interface. The system application was created by us in such a way that the customer can place a food order and see the progress of their order. When a consumer receives their order, the status of the finished order is now the original order. When the consumer receives their order, they can provide feedback on their impressions of the complete food and the application. Customers must adhere to the terms and conditions for applications.

V. OUTPUT

 <p>ORDER GREAT FOOD NEAR YOU WITH FOOD FOR TRAIN</p>	 <p>FOOD FOR TRAIN FOOD FOR TRAIN</p> <p>Email</p> <p>Password</p> <p>Register</p> <p>Already have account? Login</p>
 <p>FOOD FOR TRAIN FOOD FOR TRAIN</p> <p>Email</p> <p>Password</p> <p>Register</p> <p>Don't have account? Sign Up</p>	 <p>Hey Mustkeem, Ready To Order ?</p> <p>Search stations</p> <p>Fast Food</p> <p>Spicy One</p> <p>Explore Stations</p> <ul style="list-style-type: none"> Pandharpur Station (PVR) Kurduwadi Station (KWV) Solapur Station (SUR) Mumbai Station (MMCT)

Hey Mustkeem, Ready To Order ?

Search Restaurant

Pandharpur (PVR)

Hotel Annapurna
Opens at : 10:00 AM
Estimate Delivery Time: 15 min Go

Hotel Bhagyashri
Opens at : 10:00 AM
Estimate Delivery Time: 20 min Go

Hotel Maharaja
Opens at : 10:00 AM
Estimate Delivery Time: 15 min Go

Hotel Tirupathi
Opens at : 10:00 AM
Estimate Delivery Time: 15 min Go

Food for Train

Add Item

Item Name:

Price :

Making Time:

Add Item

View Orders

Food for Train

Search Restaurant

Hotel Annapurna

Pav Bhaji
₹ 100 /-
Making Time : 10 min Add

Extra Paav
₹ 10 /-
Making Time : 0 min Add

Mango Shake
₹ 110 /-
Making Time : 12 min Add

Bhel
₹ 30 /-
Making Time : 10 min Add

Food for Train

Today's Orders

Bhel
Quantity : 1
Receiver's Number: XXXXXXXXXXX
Train Name: XYZ
Compartment No: X
Seat No: XSXZ

Bhel
Quantity : 1
Receiver's Number: XXXXXXXXXXX
Train Name: XYZ
Compartment No: X
Seat No: XSXZ

Bhel
Quantity : 1
Receiver's Number: XXXXXXXXXXX
Train Name: XYZ
Compartment No: X
Seat No: XSXZ

VI. FUTURE SCOPE

In the future, we advise using this technology in the communication sector to avoid unhygienic food and resolve health issues with the current railway catering system. Due to this technology's extremely low maintenance costs in comparison to the currently used, economically sound method, both the method and the results are very reliable.

VII. CONCLUSION

The system can be installed on multiple PCs and access data from the server over the network. Passengers whose tickets are on the waitlist or who are traveling normally can also order food. More convenience for passengers when ordering food. The technology has very low maintenance costs compared to currently used methods, so it is economical, inexpensive and the results are highly accurate.

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