

ONLINE RAILWAY FOOD ORDERING SYSTEM

Prachi Desai¹, Shalene Pereira², Caral Martis³, Elson Pereira⁴, Bradley Lobo⁵

¹Assistant Professor, ^{2,3,4,5}Students,

Computer Department, Xavier Institute of Engineering, Mumbai, India

Prachi.xie@gmail.com, shalenep97@gmail.com, caralmartis3@gmail.com, elsonjackman26@gmail.com, lobobradley@hotmail.com

Abstract: The existing railway food ordering system is itself outdated where orders are taken manually. Due to this there may be several problems like misplacement of orders and the process may be time consuming. To override this problem, we have proposed an integrated system that will overcome the current manual ordering system where orders can be managed through a website. Our website will display relevant food items preferred by user along with recommendation system that will recommend food items. This food system will improve the way of taking orders. This system will enable customers to easily place the orders. There will be feedback system wherein user can rate the food items. In addition to this, the proposed system can recommend hotels, food, based on user ratings. The hotel staff will be informed for the improvements of food quality and taste. The payments can be done online.

Index Terms - Railway Food Ordering System, Recommendation systems.

I. INTRODUCTION

The Online Railway Food Ordering System will be very helpful for the railways. Currently railways do not have any online system for food orders. A online system can function in a better and faster way as compared to the current railway system. We have proposed a system which will be Based on Location i.e. passenger will enter the next station name. Based on this station all the restaurants along with their food item will appear. Now whatever stations have been passed or gone will not appear. Every food item will have rating out of five stars. Where one star corresponds to less value and five star corresponds to high value. Depending on the rating passenger can decide which food item they want to choose. Food item will also be recommended to the passenger. For whichever station the food item has been ordered the passenger will receive their order. Payment can be made through wallet or cash on delivery option. Through this passenger can enjoy their journey along with amazing food.

II. RELATED WORK

The basic objective of this project is to design a system that can take food orders from users and manage them. In order to achieve this, we are designing a website for managing food orders and displaying available food content. To design these web-pages we are using of HTML5, JavaScript, AJAX, JQUERY and Bootstrap for frontend and MYSQL for the backend (Databases). Users will be able to rate food items and based on the ratings the recommendations of top-rated food items will be displayed. Also, based on location the users will be able to order food from nearby places. The basic idea is to find nearby restaurants and along with them their food items will appear. Also, the station which are passed will not appear. Every food product will have an option to be rated out of 5 stars. Based on ratings the highest rated food item will be displayed to the customer. Then customer can order the food from the web-page according to his/ her desire.

III. DESIGN PHASE

Our website has a shopping cart which helps the users in selecting a particular food item they want as per their choice. They can then check the cart to see what all items are in it, and whether or not to proceed with the order. The products pages the name suggests, has all the food items from the menu, where the customer can select any item he wishes to. Also, along with each product, a rating for that particular product is displayed, which gives the customer a basic idea of how that food item is. The home page has a register and login option. For new users, they will have to register to create an account in order to use the services of the website. For existing users, they will simply have to login. An E-Wallet will be given for every user where he can use the money in the wallet to purchase any food item. He can add as much as money he wishes to his wallet. Also, he can transfer his money to another user if he wishes to do so. The website also has an update page where a user can change or update his personal details like name, phone number, etc. Once the order is successfully completed, a 'Thank You' message is displayed to show the completion of the order.

3.1 Block diagram

Passenger login. Passenger places order. Web ordering system is accessed by the database. Admin manages the order through menu management system. The order is then received by the pantry. Following bill is generated.

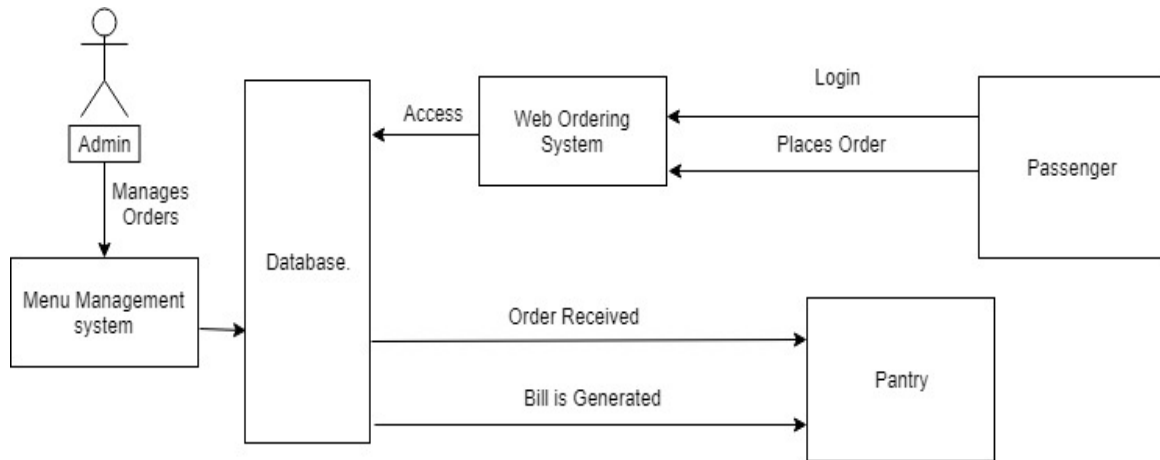


Fig 1: Block Diagram

IV. IMPLEMENTATION

- 1) The home page consists of a register and login option, where the user can select as per his/her wish. If the user is a new user, he may click on register in order to create an account. If the user is an existing user, he may simply click on login.

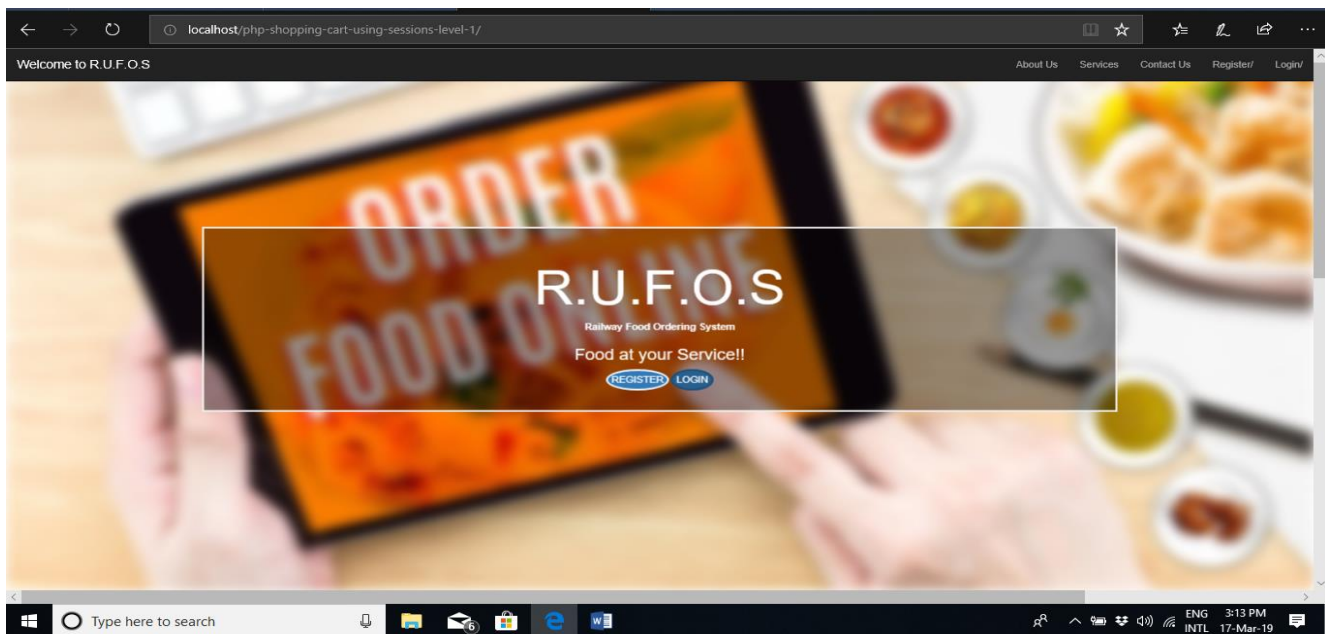


Fig 2: Home Page

- 2) Your current location will appear here. In order to search for restaurants in the preceding station passenger can input their current location.

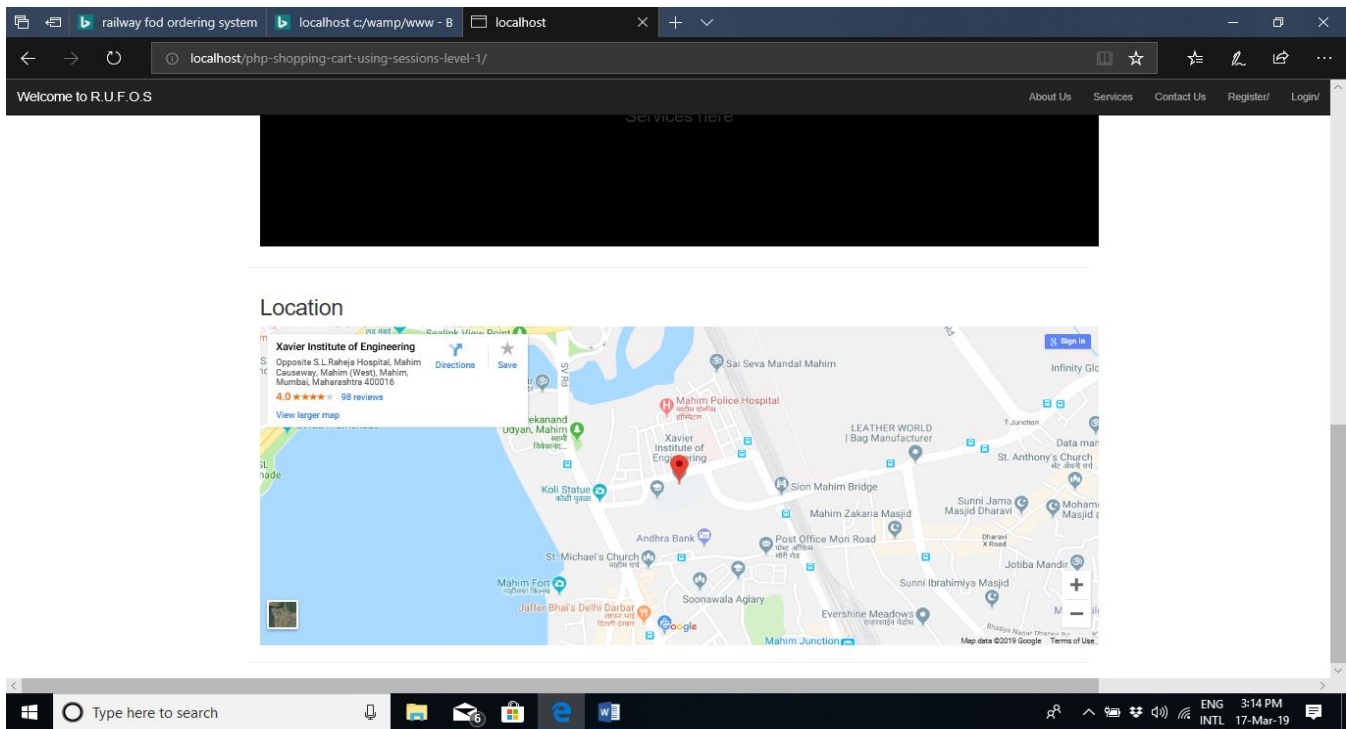


Fig 3: Location Page

3) The various food items available on the site can be seen by the customers and the ratings of the food items which helps the customers to select popular food items.

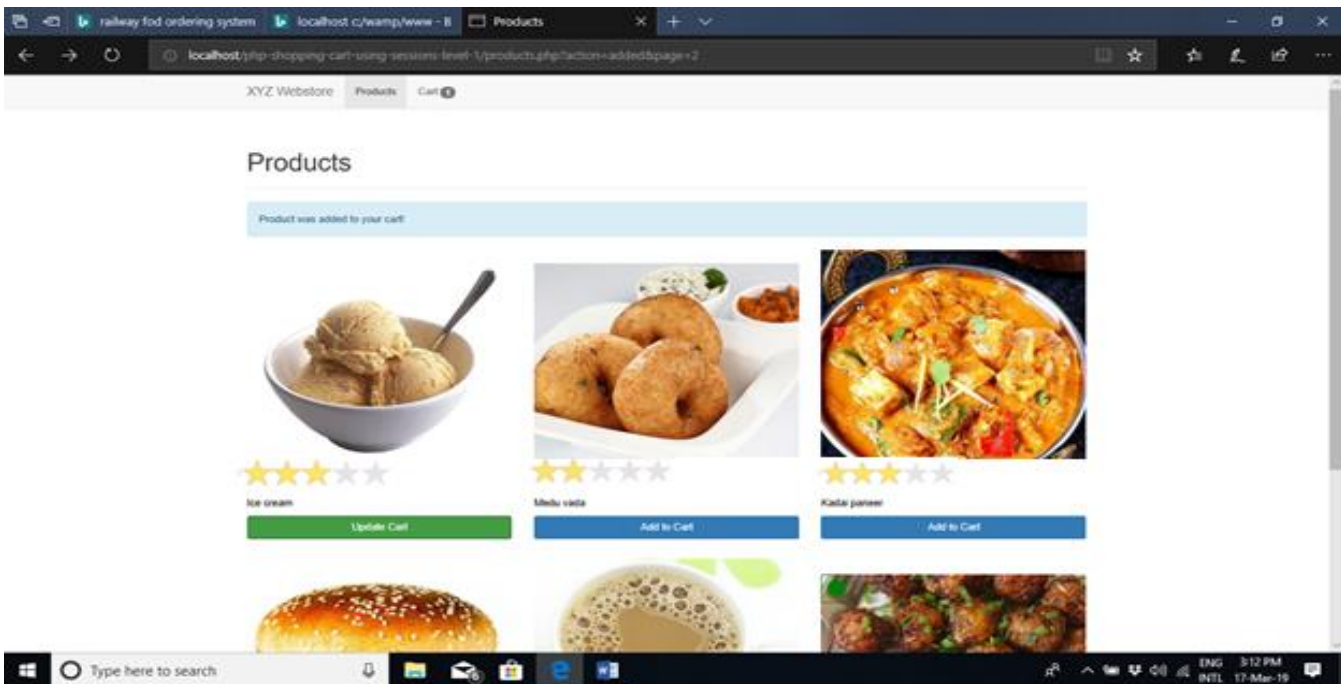


Fig 4: Products Page

4) E-wallet is used for the customers to purchase food items from the site.

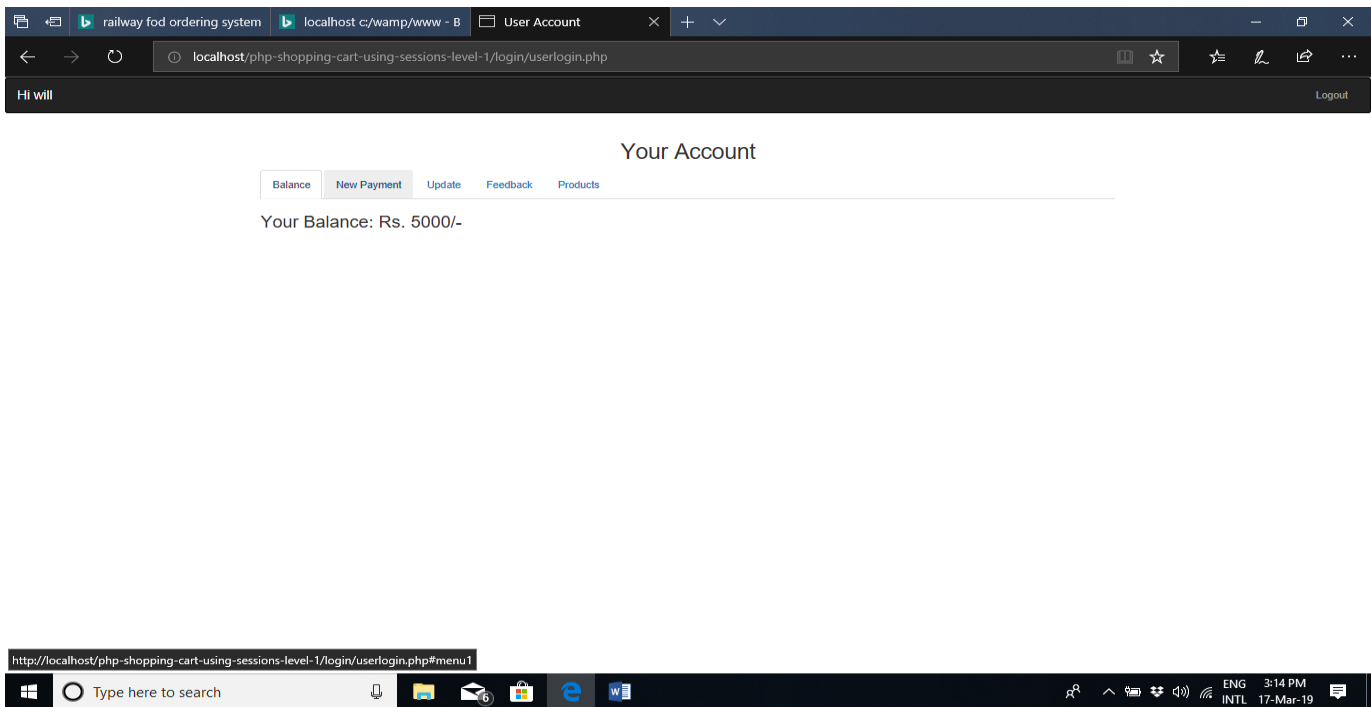


Fig 5: E-Wallet Page

- 5) Shopping Cart Description. Our Shopping Cart web-page allows users to the online shopping site to select items in a virtual shopping cart, without losing the food-items ordered. Customers may view the food items in the shopping cart at any time and may add or delete items as needed.

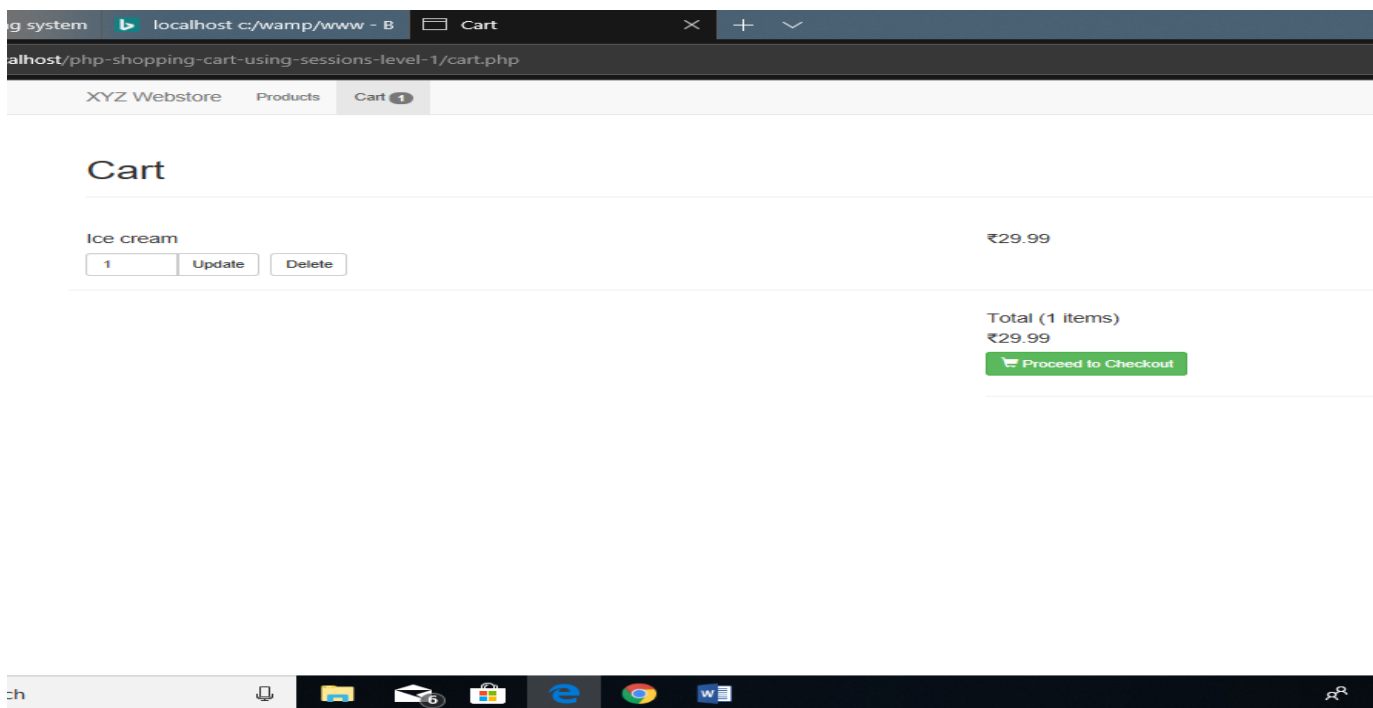


Fig 6: Cart Page

- 6) After the purchase is successful, a thank you message is displayed to show the gratitude to the customers for using our website.

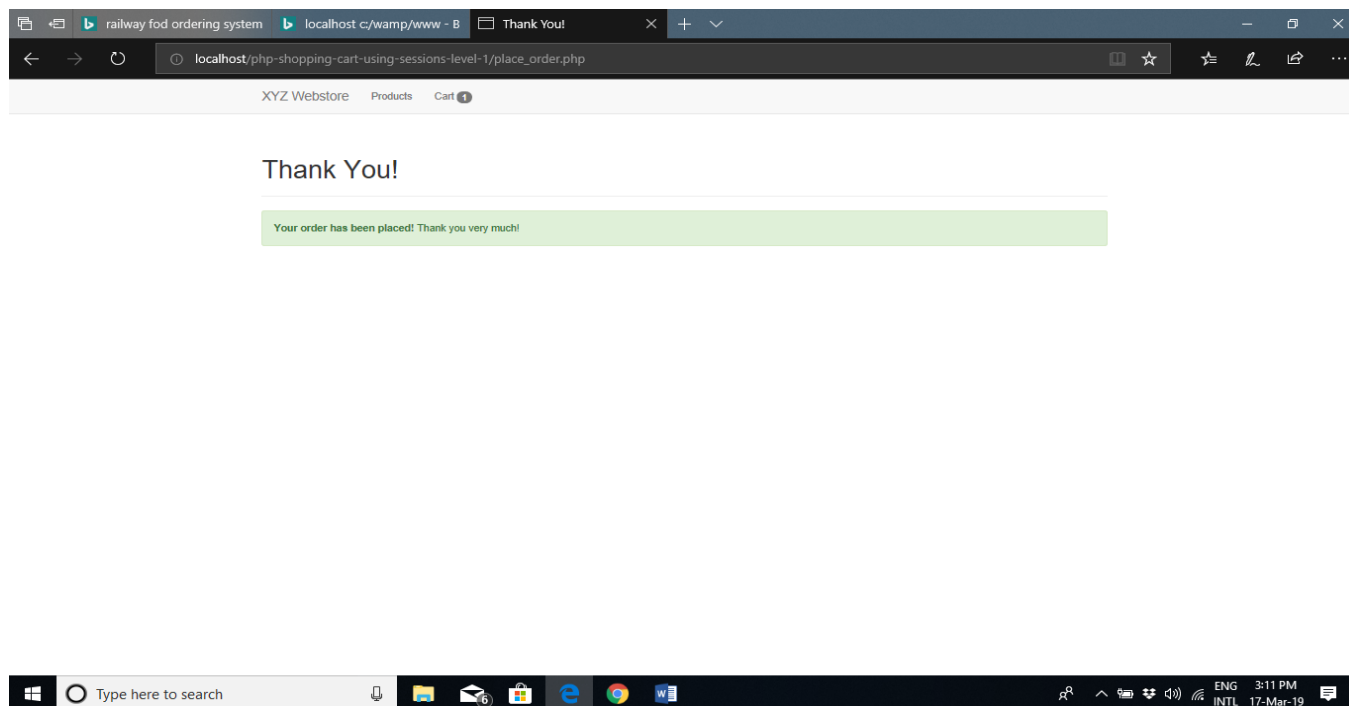


Fig 7: Thank You Page

V. CONCLUSION

In this paper we have included features like rating and recommendations for the various food items. Passenger can easily place their food order through an attractive GUI. On the basis of rating, a passenger can place their orders. A passenger can order their food based on the nearby location. A wallet option is also available for payment. A shopping cart will display all the placed orders, and if any changes need to be done, one can do it easily.

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