**Project Overview**

**EazyEats: A Canteen at your Fingertips**

1. **Introduction:**

In many educational institutions and corporate offices, cafeteria food ordering is a major challenge due to long queues, delayed service, and mismanagement of orders. The Cloud-Based Cafeteria Ordering System aims to digitize and streamline the food ordering process by allowing users to pre-order meals, select pick-up times, and make digital payments.

This system will be hosted on the cloud, enabling real-time order processing, menu updates, and inventory management. Users can access the platform via a web or mobile application, reducing wait times and improving operational efficiency. The cafeteria staff can manage orders efficiently through an admin panel, track inventory, and receive instant notifications about new orders.

By implementing this cloud-based solution, cafeterias can minimize food wastage, enhance customer experience, and improve service speed. The need for such a system is evident in universities, offices, hospitals, and large institutions where cafeteria congestion leads to inconvenience.

1. **Objective:**

* Develop a cloud-based platform for users to pre-order meals, reducing wait times and improving efficiency.
* Integrate real-time order tracking and digital payment options for a seamless ordering experience.
* Provide an admin dashboard for cafeteria staff to manage menus, inventory, and order fulfillment efficiently.

1. **Applications:**

* Educational Institutions: Universities and colleges where students can pre-order meals.
* Corporate Offices: Employees can order food during lunch breaks without long queues.
* Hospitals: Healthcare workers and visitors can place contactless food orders.
* Shopping Malls & Food Courts: Can be used in food courts to streamline ordering.
* Event Venues: Helps manage bulk orders during events and conferences.

1. **Tools and Technology requirements:**

* Cloud Platform: AWS
* Frontend Development: React.js, HTML, CSS, JavaSript, BootStrap.
* Backend Development: Node.js with Express.js,Firebase.
* Database: Firebase Firestore, MongoDB, or MySQL for storing orders and menu details.
* Payment Integration: Razorpay.

**REFERENCES:**

1. Cloud-based food ordering systems: https://www.sciencedirect.com
2. Firebase Firestore for real-time database management: https://firebase.google.com/docs/firestore
3. Full-Stack React and Node – David Choi

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