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| --- | --- | --- | --- | --- | --- |
| Sr.NO | Approach | Short Description | Advantage | Limitations | Year |
| My Restaurant Management System | Approach:  ADD  UPDATE  DELETE  CLEAR  OPERATIONS | The following Restaurant database holds the records of its Employees, chef, waiters/delivery boys, food items, drinks and their customer details. | It is a user friendly Database management system which provides various operations on the Restaurant management and its operations | On very big database system may generate some errors | 2023 |
| [Soon Nyean Cheong](https://ieeexplore.ieee.org/author/37087555647); [Wei Wing Chiew](https://ieeexplore.ieee.org/author/37087641733); [Wen Jiun Yap](https://ieeexplore.ieee.org/author/37087555636) | **Design and development of Multi-touchable E-restaurant Management System** | the MEMS if implemented properly, could possibly improve the overall restaurant efficiency, reducing labor cost, providing a better quality of services and enhance customers' dining experience. | the overview framework of the MEMS that consists of the multi-touchable dining table, the counter payment module, kitchen display module, administrative module and the centralized server. The proposed MEMS was developed using PHP, MySQL and Adobe Flash AS3 scripting on top of Zend framework. | Any update to the food items such as pricing, availability, promotions etc. will require manual modification to the menu | 2011 |
| [Hassain Saeed](https://ieeexplore.ieee.org/author/37086145948); [Ali Shouman](https://ieeexplore.ieee.org/author/37086146255); [Mais Elfar](https://ieeexplore.ieee.org/author/37086146096); [Mostafa Shabka](https://ieeexplore.ieee.org/author/37086144464); [Shikharesh Majumdar](https://ieeexplore.ieee.org/author/37271608600); [Chung Horng-Lung](https://ieeexplore.ieee.org/author/37086146398) | **Near-field communication sensors and cloud-based smart restaurant management system** | This system will solve key problems faced by restaurants today through the use of technologies such as Mobile and Web applications, Internet of Things (IoT), Near-Field Communications (NFC) sensors, and cloud computing. |  |  | 2017 |
| Dr. Vinayak Ashok Bharadi | Online Restaurant Management System for Android | The simplicity and ease of access of a menu are the main things that facilitate ordering food in a restaurant. A Tablet menu completely revolutionizes the patron’s dining experience. Existing programs provide an app that restaurants can use to feed their menus into iOS & Android based tablets and make it easier for the diners to flip, swipe & tap through the menu. | run the app on an Android based tablet & not on an iOS based tablet which is more expensive alternative. We use a cloud-based server for storing the database which makes it inexpensive & secure | Server goes down  • Tablets suffer a defect • End users are not able to use the tablet devices | 2019 |