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## **Abstract:**

The aim of developing Online Food Ordering system project is to replace the traditional way of taking orders with computerized system. Another important reason for developing this project is to prepare order summary reports quickly and in correct format at any point of time when required.

Online Food Ordering System has a very lot of scope. This PHP project can be used by any restaurants or fast foods for customers for keeping their order records. This project is easy, fast and accurate. It requires less disk space. Online Food Ordering System uses MYSQL Server as backend so there is not any chance of data loss or data security.

## **Characteristics of the project:**

1. User Friendly: Online Food Ordering System is a very user friendly project because the Food Ordering Record and searching from categories is very simple, fast and data is secured. The user interface of the project is very simple.
2. Order reports of the system can be easily generated. User can generate the report of any particular date and period. In this way they can get delivery status of customers and get information about what is being ordered.
3. Very less paper work: Online Food Ordering System requires less paper work. In this project all record is fetched directly into the computer and reports can be generated through just a click. In this way it saves time. As data is directly entered into computer so there is no need to do any paper work.
4. Computer operator control: Online Food Ordering System is operated by the staff members and one admin so there is no chance of clerical mistakes. Data feeding and retrieving in this system is very easy. So the work can be done on time.

# Project Requirements:

## ➤ Technology

- **Server** : Apache 2.4.4
- **Front-end**: PHP 5.4.19 (Framework : Codeigniter 2.1.2)
- **Back-end**: MySQL 5.5.32(using phpmyadmin 4.0.6)
- **Integrated Development Environment(IDE)**: Netbeans 7.3.1
- **Platform**: Windows 7

We have used **XAMPP 1.8.2** which is a free and Open Source Cross-Platform Web Server Solution Stack. It comes with Apache Web Server, MySQL Database, PHP and Perl Programming Languages.

A couple of advantages of using **XAMPP** for development are:

1. You can start and stop the whole web server + database stack with one command.
2. XAMPP is portable so you can carry it around on a thumb drive.
3. The security settings are strict by default, nobody but you will be able to access the web server.
4. PHP error reporting is enabled by default, which helps when debugging scripts.
5. Easy to install.

## Apache Server

Web server apache is an open source server application. There are a lot of benefits and advantages that are provided from the server. Numerous features like the openness, extensibility, portability and flexibility of apache server provide advantages to administrator leading to higher efficiency and utility.

## MySQL

MySQL is easy to use, yet extremely powerful, secure, and scalable. And because of its small size and speed, it is the ideal database solution for Web sites.

Some of its advantages include the following:

1. **It's easy to use:** While a basic knowledge of SQL is required—and most relational databases require the same knowledge—MySQL is very easy to use. With only a few simple SQL statements, you can build and interact with MySQL.
2. **It's secure:** MySQL includes solid data security layers that protect sensitive data from intruders. Rights can be set to allow some or all privileges to individuals. Passwords are encrypted.
3. **It's inexpensive:** MySQL is available by free download from MySQL Web site.
4. **It's fast:** In the interest of speed, MySQL designers made the decision to offer fewer features than other major database competitors, such as Sybase\* and Oracle\*. However, despite having fewer features than the other commercial database products, MySQL still offers all of the features required by most database developers.
5. **It's scalable:** MySQL can handle almost any amount of data, up to as much as 50 million rows or more. The default file size limit is about 4 GB. However, you can increase this number to a theoretical limit of 8 TB of data.
6. **It manages memory very well:** MySQL server has been thoroughly tested to prevent memory leaks.
7. **It runs on many operating systems:** MySQL runs on many operating systems, including Novell NetWare, Windows\* Linux\*, many varieties of UNIX\* (such as Sun\* Solaris\*, AIX, and DEC\* UNIX), OS/2, FreeBSD\*, and others.
8. **It supports several development interfaces:** Development interfaces include JDBC, ODBC, and scripting (PHP and Perl), letting you create database solutions that run not only in your NetWare 6.5 environment, but across all major platforms, including Linux, UNIX, and Windows.

# **Why we choose this project:**

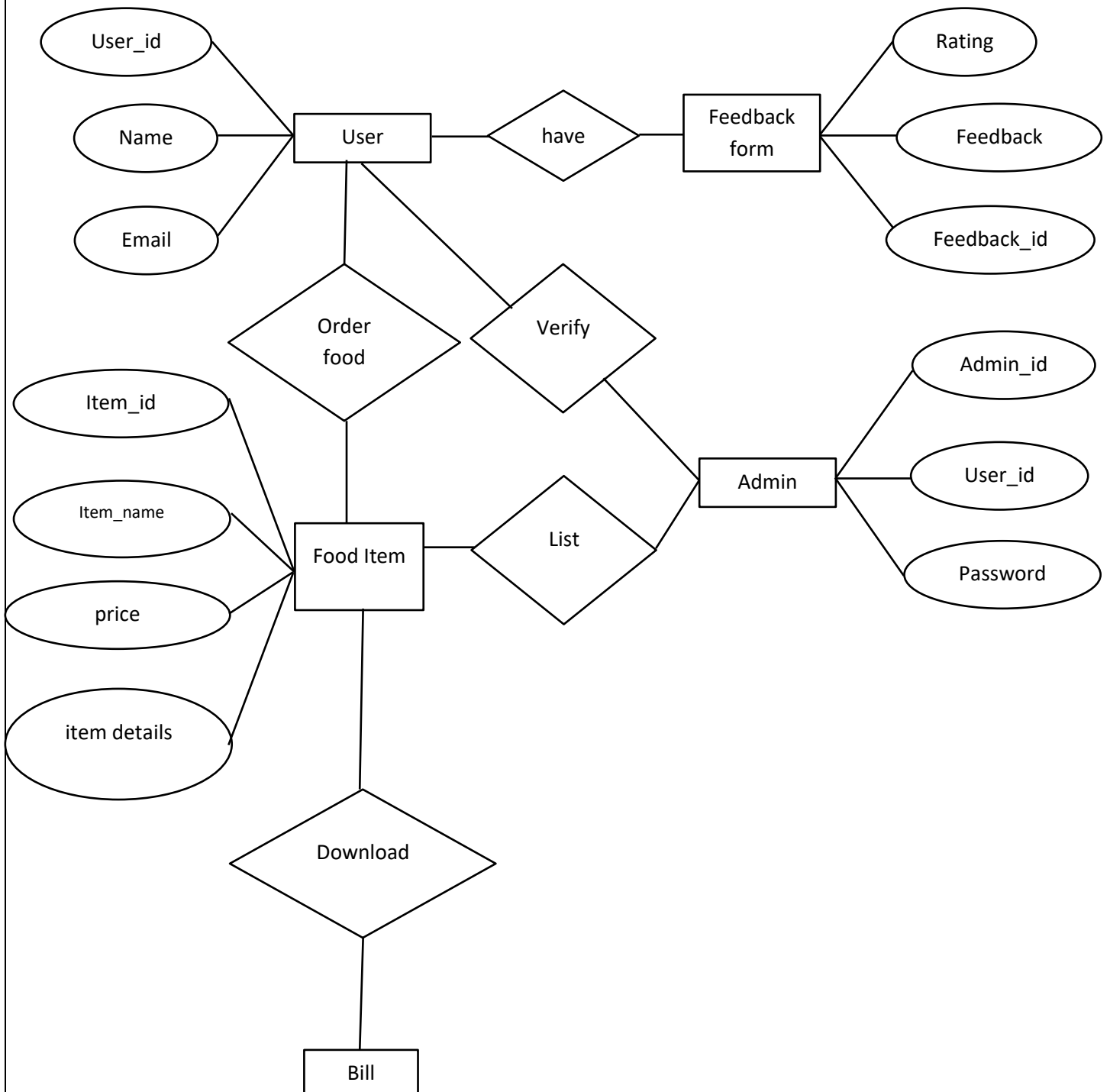
## **Working of present system**

In the present system all work is done on paper. The order report, food category and food are stored in register and at the end of the session the reports are generated. We are not interested in generating report in the middle of the session or as per the requirement because it takes more time in calculation.

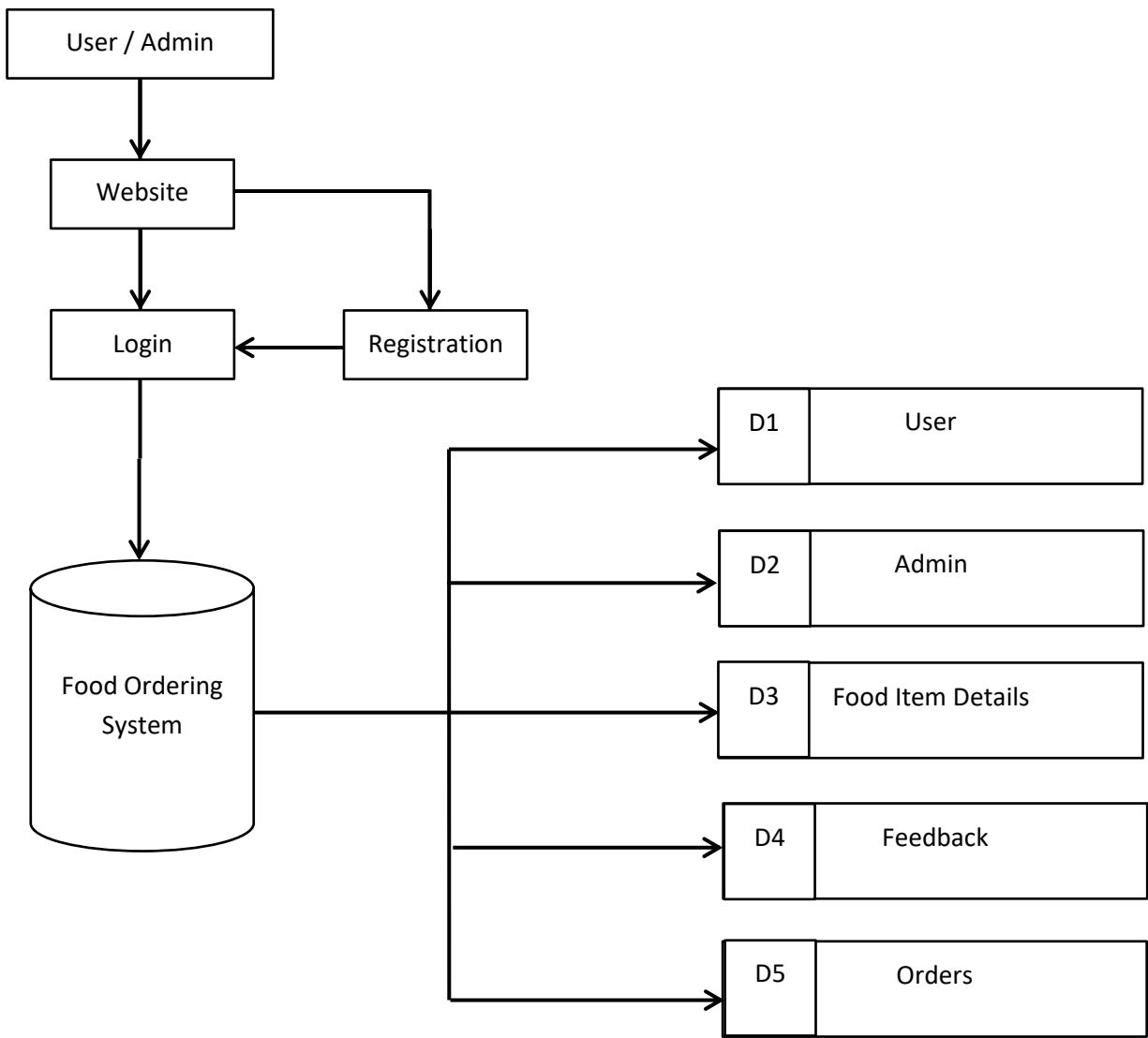
## **Disadvantages of present working system**

- Not User Friendly: The existing system is not user friendly because the retrieval of data is very slow and data is not maintained efficiently.
- Difficulty in report generating: We require more calculations to generate the report so it is generated at the end of the session.
- Manual control: All calculations to generate report is done manually so there is greater chance of errors.
- Lots of paperwork: Existing system requires lot of paper work.
- Loss of even a single register/record led to difficult situation because all the papers are needed to generate the reports.
- Time consuming: Every work is done manually so we cannot generate report in the middle of the session or as per the requirement because it is very time consuming.

## E R Diagram:



# Data Flow Diagram (DFD):





## **Conclusion:**

Easy and user-friendly website containing services related to order the food to your door step. Here we have a platform accessible everywhere. A specific and all requirements meted fluent website. Online Food Ordering System has a very lot of scope. This PHP project can be used by any restaurants or fast foods for customers for keeping their order records. This project is easy, fast and accurate. It requires less disk space. Online Food Ordering System uses MYSQL Server as backend so there is not any chance of data loss or data security.

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