ONLINE TIFFIN SERVICE

A PROJECT REPORT

Submitted By

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Submitted in partial fulfilment of theRequirements for the Degree of

MASTER OF COMPUTER APPLICATION

Under the Supervision of

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Associate Professor

Submitted to

DEPARTMENT OF COMPUTER APPLICATIONS
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CERTIFICATE

Certified that has/ have carried out the project work having "**Online Tiffin Service**" for Master of Computer Applications from Dr. A.P.J. Abdul Kalam Technical University (AKTU), Technical

University, Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself / herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Date:

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This is to certify that the above statement made by the candidate is correct to the best of myknowledge.

Date:

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Signature of Internal Examiner **Signature of External Examiner**

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ABSTRACT

Online Tiffin Service This project provides a Web page application through which people can order Dabba service online using the internet. Presently, readymade food is available but homemade food and is taste have another matter. In our busy schedule fresh and homemade food preparation is difficult in early mornings. But it is made possible by our web application to add homemade food and deliver the same before our lunch time. This web application allows people to directly order a Dabba for online For 24hr. This application is built to be beneficial to customer as well as Homemade food maker. Our Project connect the tiffin services provider with customer to provide the quality food. This system is totally secure and safe after every user is provided with a user id and password so there is no chance of any unauthorized access. Ordering food is a entertaining. In today's world everyone loves to order meals from restaurants. However, during covid - pandamic, a lot of people had to order food compulsively from these restaurants. A typical family in India believes that ordering food from a restaurant can be harmful to health and bad for nutrition. Various items are available to the customer and they can select the desire item for lunch and dinner at a reasonable price. The customer can choice so we have generated a system that will provide meals to the customer like lunch and dinner. The purpose of this product is to create a platform for users to facilitate food search and booking experience.

This will result in a working application that will speed up the ordering process.

Keywords:

Web Page Application, Secure And Safe System Application, Unauthorized Access,

Ordering

Process,

Html5, CSS, and

JavaScrip

List of Chapters

Chapter – 1

Introduction

The Online Tiffin Service has been developed to override the problems prevailing in the Practicing manual system. This system issupported to eliminate and in some cases reduce the hardships faced by the existing system. Moreover this system is designed for the Particular need of the small hotels,hostels and office going people that provide food delivery to carry out operations in a smooth and effective manner.

1.1 Project Description

As we know that the food cooked at home is hygienic and best for health. The food prepared at home is cheaper too and keeps the doctors far away and makes us healthy. In today's world, most people live away from their homes for work or studies. Food is a basic necessityfor everybody. Most of them are dependenton other people for food.

So, the aim of the project is to provide hygienic food of high quality at a low cost. Various items are available to the customers. They can select the desireditems for their breakfast, lunch, and dinner at a reasonable price. The food can be delivered to their residence. They can pay on a daily or monthly basis. Wemake use of fresh vegetables, fresh wheat, rice,etc.

The customer can choose the menu of their own choice So, we have generated a system that will providemeals to the customers, i.e. the breakfast, lunch, and dinner as well.
The Tiffin will be delivered at theirresidence at the time given by the customers.

1.2 Project Scope

The main Objective of the project on Online tiffin Service is to manage the details of tiffin foods, Foods Category,Food Type,Customer,Order. It manages all the information about Tiffin Foods,Payment,Order,Tiffin Foods. The project is totally built at the administrative end and thus only the administrator is guaranteed access.The purpose of the project is to build an application program to reduce the manual work for managing the Tiffin Foods, Foods Category, Payment,Foods Type. IT tracks all the details about the Foods Type, Customer, Order

1.3 Hardware & Software Requirement:

Hardware Interfaces

- Minimum Hardware requirement
- Processor: Pentium IV or Higher
- RAM: 4 GB or Higher
- Operating System: Windows 10
- System Type: 32-bit operating system
- Hard disk: 512 GB

Software Interfaces

- Minimum Software requirement
- Eclipse
- MySql
- Java (JSP and Servlet)
- Apache Tomcat Server

All these types of software automatic configure inside operating system after installation it having Java, MYSQL, Apache and operating system base configuration file, it doesn't need to configure manually.

Chapter – 2

Feasibility Study

This project will be developed on computer, so first check whether the technology is technically available or not. Now a day's computer interaction with any job becomescommon for any kind of job or work.

And because of increasing usage of Computer, Computer is also available with a varietyof hardware. Vendors can fulfill any type of hardware requirement. The whole project isdeveloped by some special tools or by using languages and databases, which are also available in a variety.

Preliminary investigation of a system examines the feasibility of a system that is useful to an organization. It is the first phase of system development.

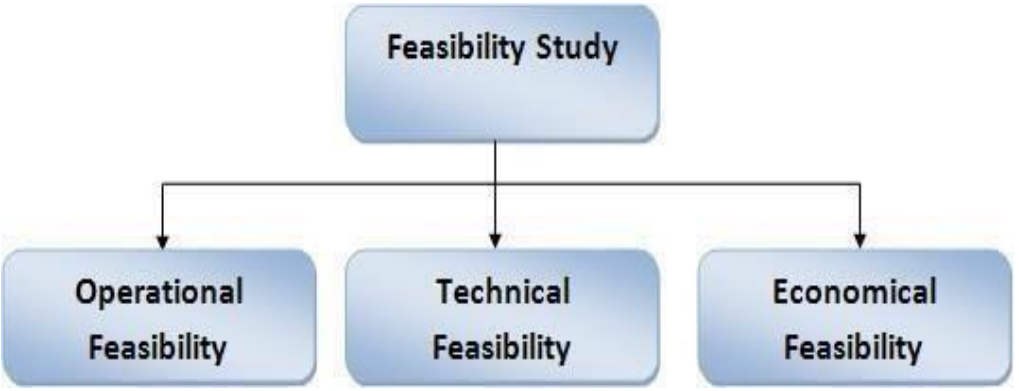
The main objective of this phase is to identify the current deficiencies in the user's environment and to determine which existing problem are going to be solve in proposedsystem and also which new function needs to be added in proposed system.

An important outcome of such preliminary investigation is to determine whether the systemthat will meet all needed requirements.

Thus, three tests are carried out on the system namely operation, technical and economical.

Any project is beneficial if and only satisfies the organization requirement. For any newsystem setup, it only meets to be communicated and work the other supporting system.

The new system meets all existing operations since it provides right information at a right time to the right user. A Leigh man can easily operate with the system.


Feasibility Study
Operational Feasibility
Technical Feasibility
Economical Feasibility

2.1 Operational Feasiblity

Operational feasibility is the measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase ofsystem development.

The operational feasibility assessment focuses on the degree to which the proposed development project fits in with the existing business environment and objectives withregard to development schedule, delivery date, corporate culture and existing businessprocesses.

To ensure success, desired operational outcomes must be imparted during design and development. These include such design-dependent parameters as reliability, maintainability,supportability, usability, producibility, disposability, sustainability, affordability and others.

2.2 Technical Feasibility

Technical Feasibility examines whether the technology needed is available and if it is available then it feasible to carry out all project activities.

The technical needs of a system include:

- The facility to produce outputs in a given time.
- Ability to process large number of transaction at a particular speed.
- Giving response to users under certain conditions.

The technology needed for our system is mainly:

- Latest version of browsers.
- Any operating system.

These technologies are available which helps to carry out the system efficiently.

2.3Economical Feasibility

Economical feasibility of a system examines whether the finance is available for implementing the new system and whether the money spent is recoverable the satisfaction.

The cost involves is in designing and developing a good investment for the organization.

Thus, hardware requirements used for proposed system are very standard. Moreover, by makinguse of proposed system to carry out the work speedily will increase and also saves the valuable time of an organization.

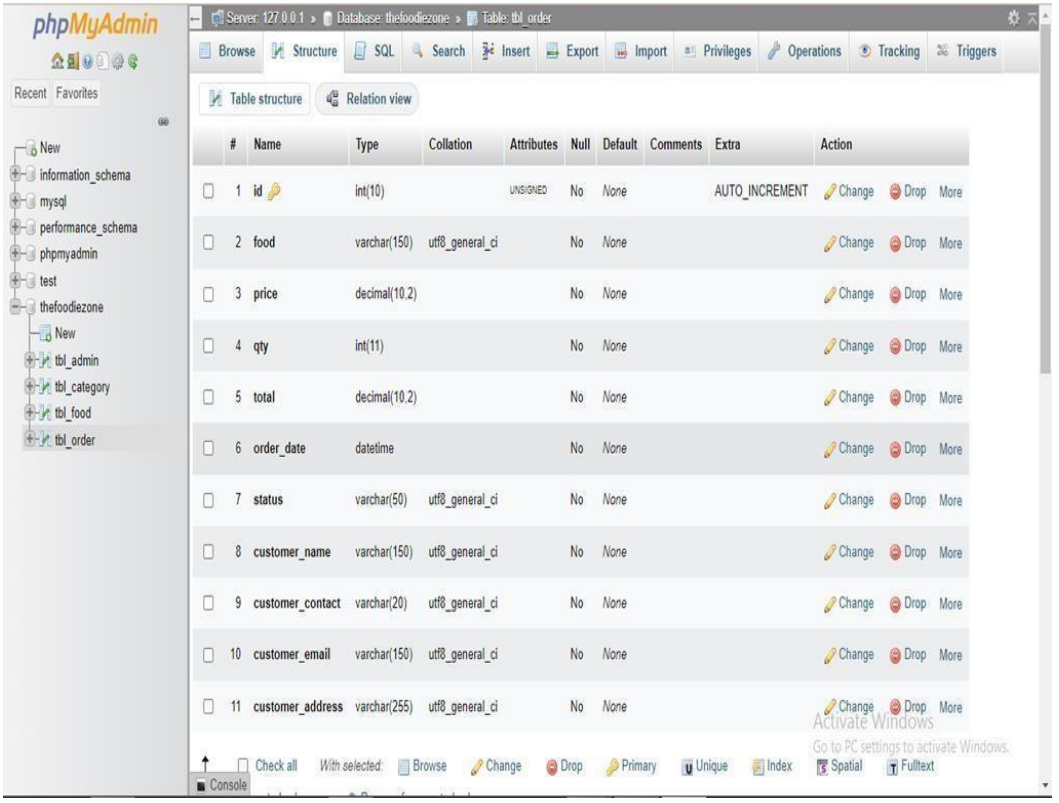
In the proposed system the finance is highly required for the installation of the software's which can also be recovered by implementing a better system.

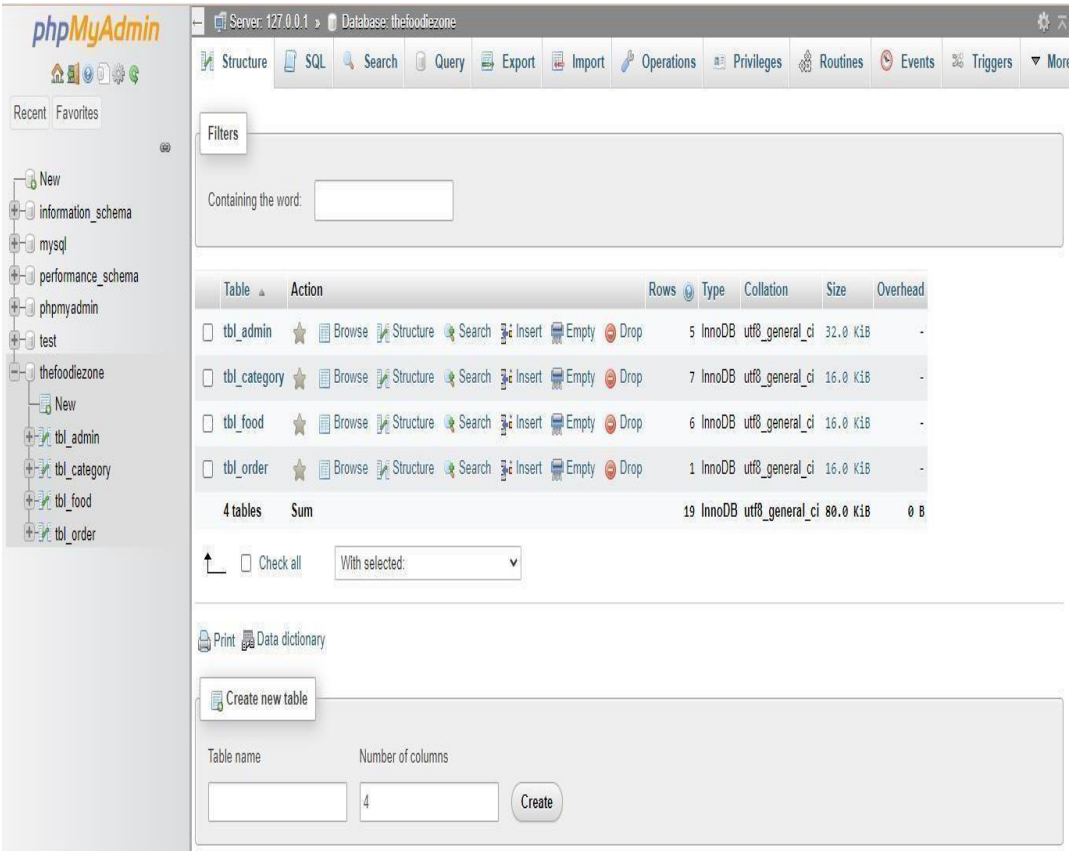
Chapter – 3 Database

Design

Database design is the organization of data according to a database model. The designer determines what data must be stored and how the data elements interrelate Database design involves classifying data and identifying interrelationships. This theoretical representation of the data is called an ontology.

3.1 Database Tables



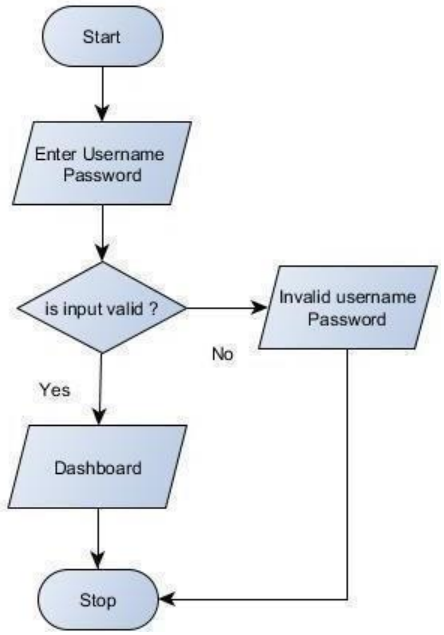

phpMyAdmin
Recent Favorites
New
information_schema
mysql
performance_schema
phpmyadmin
test
thefoodiezone
New
tbl_admin
tbl_category
tbl_food
tbl_order
Server: 127.0.0.1 » Database: thefoodiezone
Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers
Filters
Containing the word:
Table Action Rows Type Collation Size Overhead
tbl_admin Browse Structure Search Insert Empty Drop 5 InnoDB utf8_general_ci 32.0 KiB -
tbl_category Browse Structure Search Insert Empty Drop 7 InnoDB utf8_general_ci 16.0 KiB -
tbl_food Browse Structure Search Insert Empty Drop 6 InnoDB utf8_general_ci 16.0 KiB -
tbl_order Browse Structure Search Insert Empty Drop 1 InnoDB utf8_general_ci 16.0 KiB -
4 tables Sum 19 InnoDB utf8_general_ci 80.0 KiB 0 B
Check all
With selected:
Print Data dictionary
Create new table
Table name
Number of columns
4
Create

3.2 Flowchart

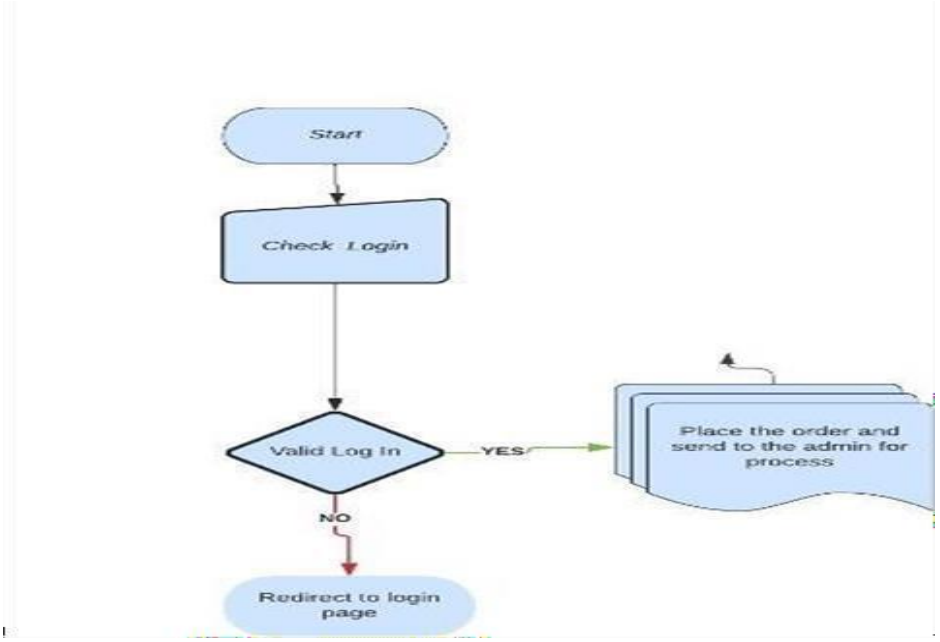
A flowchart is a diagram that depicts a process, system or computer algorithm. They are widely used in multiple fields to document, study,plan, improve and communicate often complex processes in clear, easy-to-understand diagrams. Flowcharts, sometimes spelled as flow charts, use rectangles, ovals, diamonds and potentially numerous other

shapes to define the type of step, along with connecting arrows to defineflow andsequence.

Login

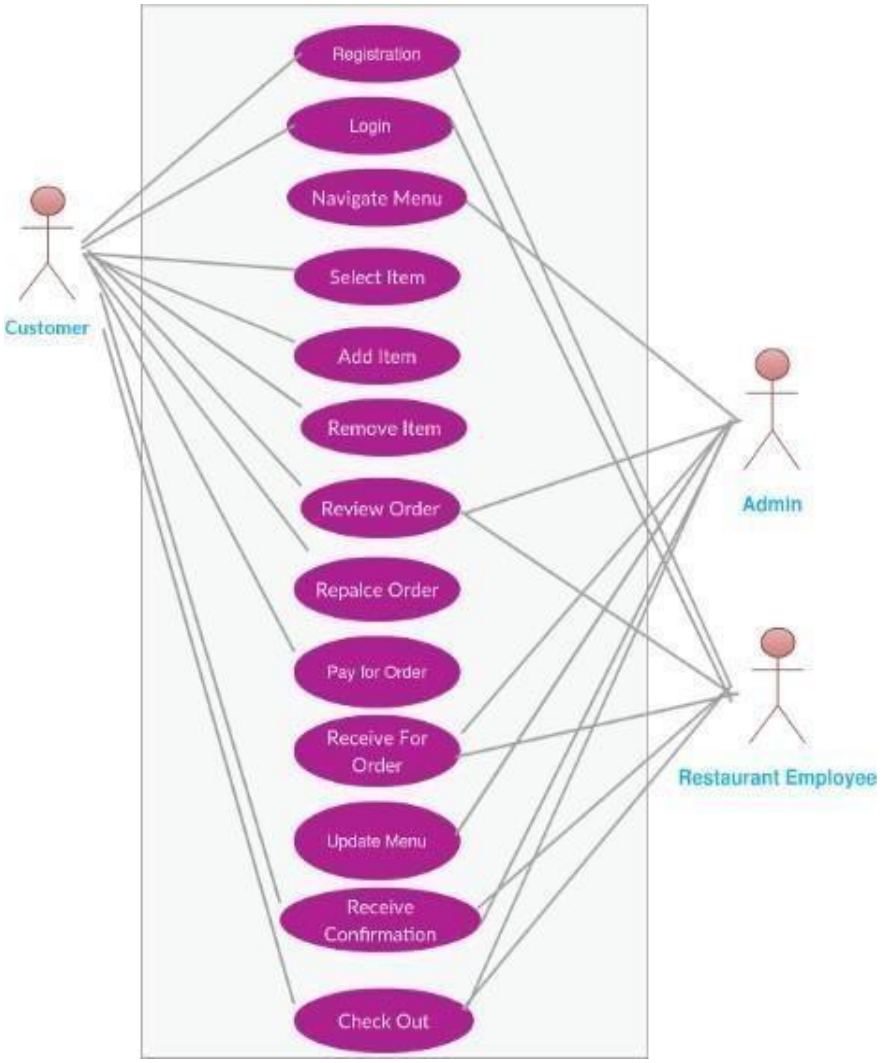


Order Food


Start
Check Login
Valid Log In
YES
NO
Place the order and send to the admin for process
Redirect to login page

3.3 Use Case Diagram

A use case diagram is used to represent the dynamic behavior of a system. It encapsulates the system's functionality by incorporating use cases, actors, and their relationships. It models the tasks, services, and functions required by a system/subsystem of an application. It depicts the high-level functionality of a system and also tells how the user handles a system.



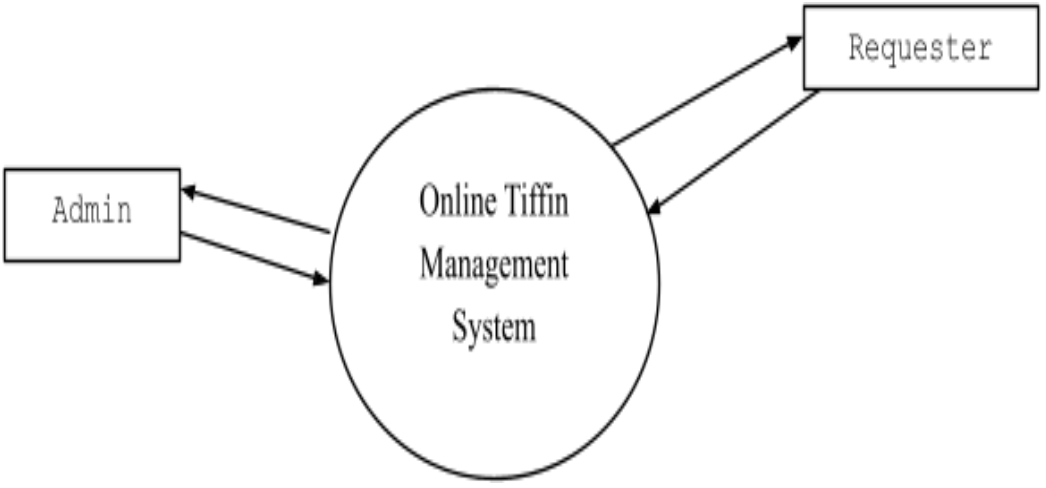
3.4 Data Flow Diagram

Data flow diagram is a graphical representation of flow of data in an information system.

It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage pointsand the routes between each destination. Data flowchartscan range fromsimple, even hand-drawn process overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled.

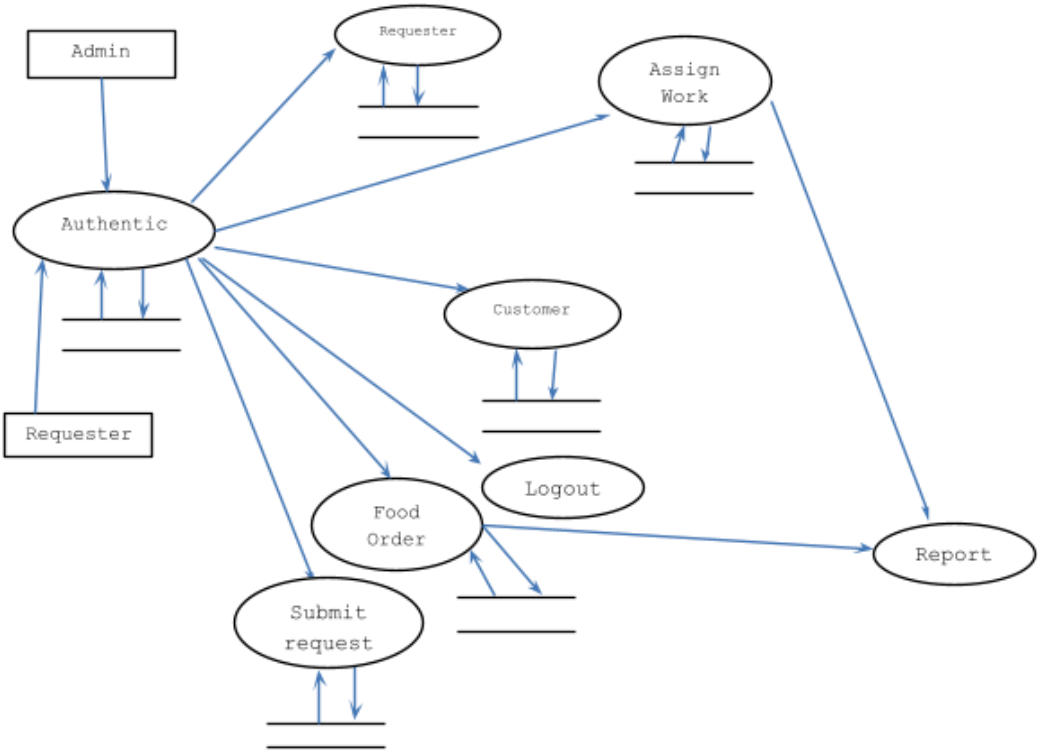
3.4.1 DFD 0 Level

The 0 Level DFD shows flow of data of application. DFD Level 0 is alsocalled a Context Diagram.It's a basic overview of the whole system or process being analyzed or modeled.



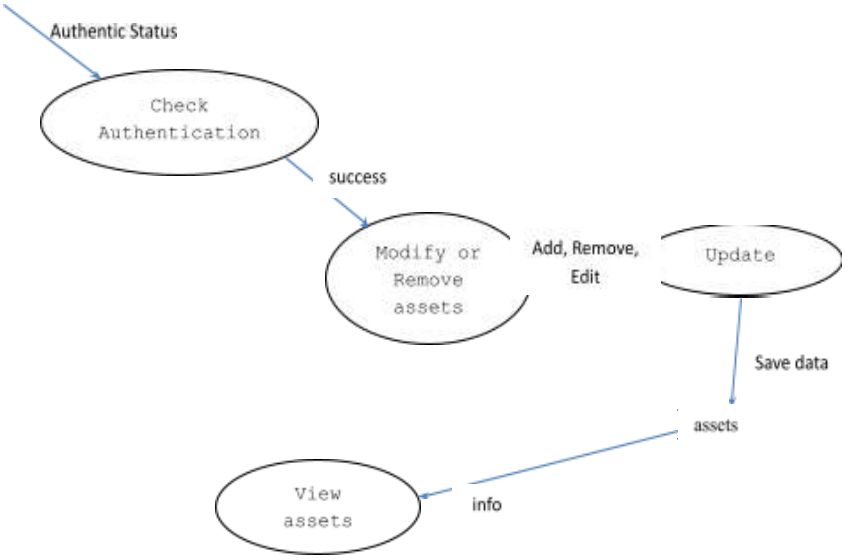
3.4.2 DFD 1 Level

DFD Level 1 provides a more detailed breakout of pieces of the Context Level Diagram. This DFD describes main functions carried out by the system, as we breakdown the high-level process of the Context Diagraminto its sub-processes.



3.4.3 DFD 2 Level

The DFD 2 Level describes flow of data in more detail. DFD Level 2 goes one step deeper into parts of Level 1. It may require more text to reach the necessary level of detail about the system's fun



Chapter – 4

System Design

4.1 Introduction

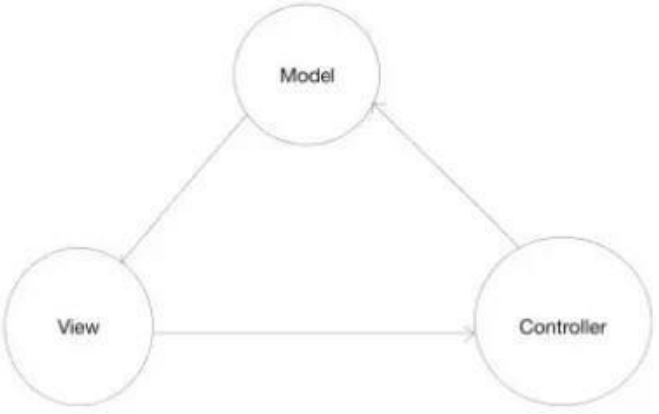
System design is the process of designing the elements of a system such as the architecture, modules and components, the different interfaces of those components and the data that goes through that system.

System Analysis is the process that decomposes a system into its component pieces for the purpose of defining how well those components interact to accomplish the set requirements. The purpose of the System Design process is to provide sufficient detailed data and information about the system and its system elements to enable the implementation consistent with architectural entities as defined in models and views of the system architecture.

MVC Design Pattern

The Model View Controller (MVC) design pattern specifies that an application consist ofa data model, presentation information, and control information.

MVC mostly relates to the user Interface/interaction layer of an application. In the MVC pattern the user sees the View which is updated by the model which turn manipulatedby thecontroller.



MVC Pattern

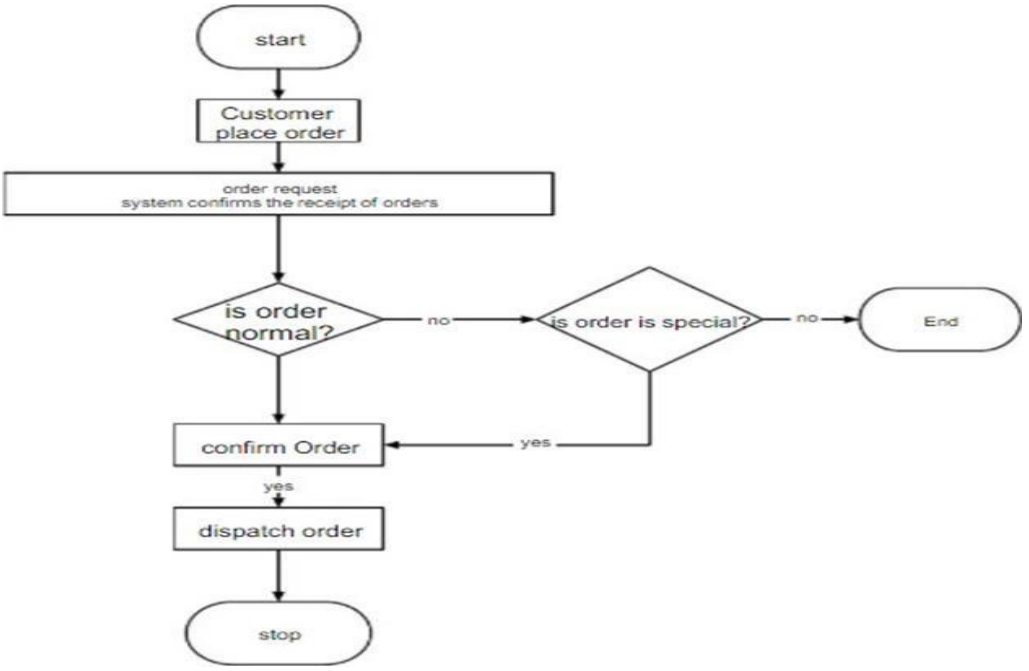
- The Model contains only the pure application data, it contains no logic describing how to present the data to a user. They are the parts of the application that implement the logic for the application's data domain. They retrieve and store model state in a database.
- The View presents the model's data to the user. The view can only be used to access the model's data. They are components that display the application's user interface (UI).
- The Controller exists between the view and the model. It listens to events triggered by the view and executes the appropriate commands. They are the components that handle user interaction, work with the model, and ultimately select a view to render that displays UI

4.2 System Flowchart

A flowchart is a type of diagram that represents a workflow or process. A flowchart can also bedefined as a diagrammatic representation of an algorithm, a step-by-step approach to solving a task.

The flowchart shows the steps as boxes of various kinds, and their order byconnecting the boxeswith arrows. This diagrammatic representation illustrates asolution model to a

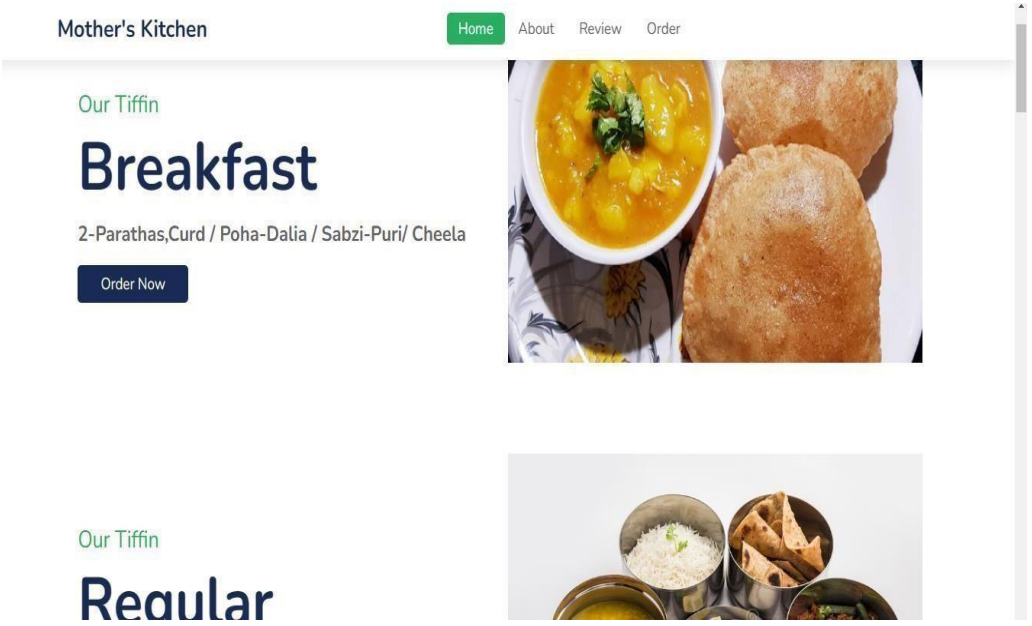
given problem. Flowcharts are used in analyzing, designing, documenting or managing a process orprogram in various fields.



Chapter – 5

Screenshot

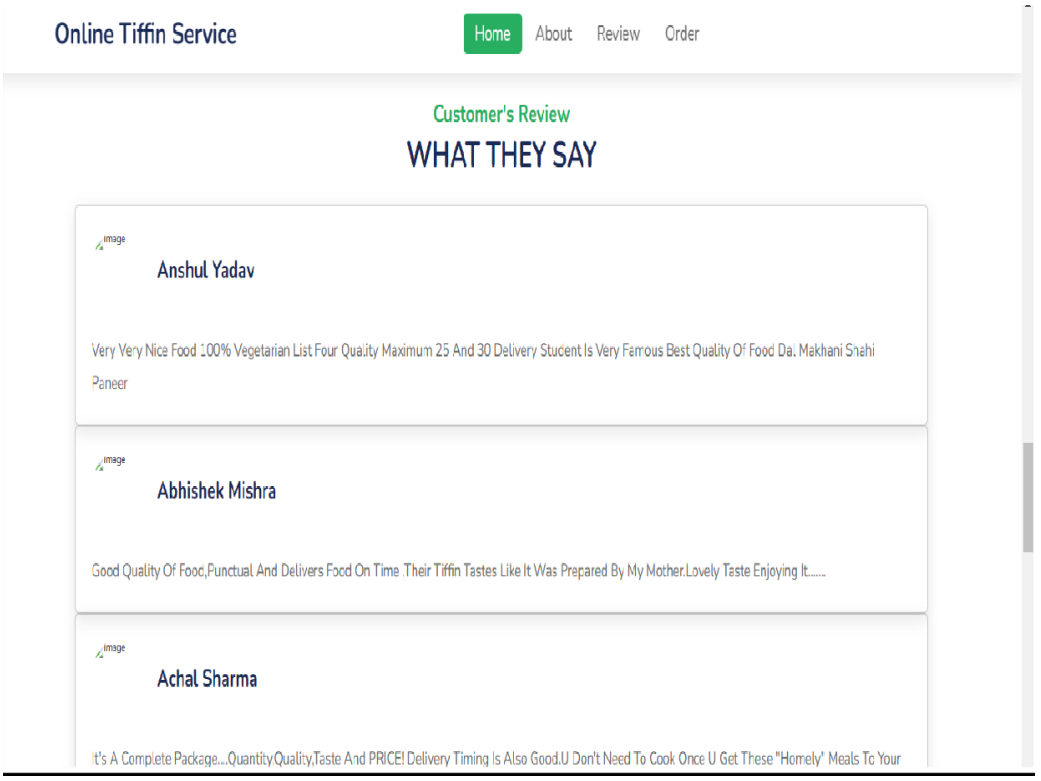
5.1 Homepage



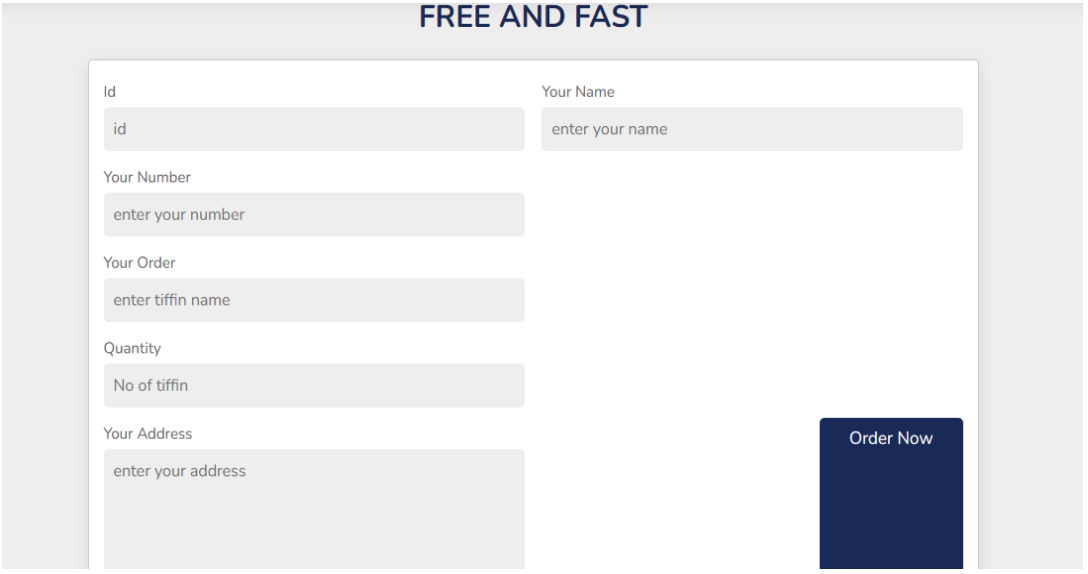
5.2 About Us


About Us
WHY CHOOSE US?
ASLI MAZA TOH GHAR KE KHAANE MEIN HAI!
Best Tiffin In The City
Freshly Prepared Meals
Daily Variety
Healthy & Hygienic Food
Delivered Everyday
Delivery Notification
Free Delivery
Easy Payments
Learn More

5.3 Review Page



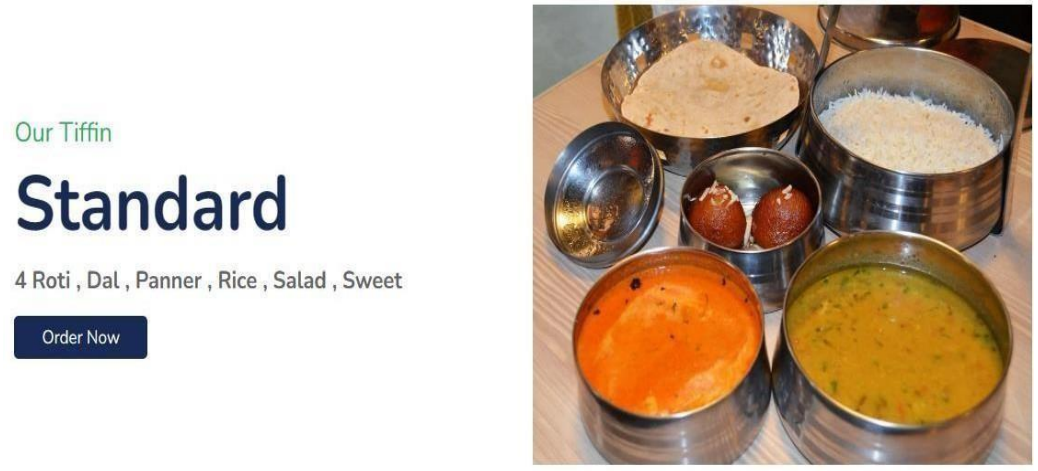
5.4 Order Page



5.5 Tiffins

5.5.1 Breakfast

5.5.2 Standard



5.5.3 Regular

Our Tiffin

Regular

4 Roti , Dal , Sabzi , Salad

Order Now

5.5.4 Vrat

Our Tiffin

Vrat Tiffin

* On Request

Order Now

CHAPTER 6

REPORTS

- It generates the report on tiffins, category.
- Provide filter reports on customer, order, confirm order.
- You can easily export PDF for the tiffins, order.
- It generates the report on the particular day sell, weekly sell, or monthly sale.
- It generates the report on the number of different users.

Chapter – 7

Coding

Main Page

```
<!DOCTYPE html>
<html lang="en">
<head>
{
background:
url('placeholder.jp
g');    background-
size:cover;

}
</style>
<link rel="stylesheet" href="style.css">
<title>Online Tiffin Service</title>

</head>
<body>
<header>

<a  href="#"  class="logo"><i  class="fas  fa-utensils"></i>Mother's
Kitchen</a>

<nav class="navbar">
<a class="active" href="#home">home</a>
<a href="#about">about</a>
<a href="#review">review</a>
<a href="db.html">order</a>
</nav>

<div class="icons">
<i class="fas fa-bars" id="menu-bars"></i>
<i class="fas fa-search" id="search-icon"></i>
<a href="#" class="fas fa-heart"></a>
<a href="#" class="fas fa-shopping-cart"></a>
</div>

</header>
<form action="Mysql.php" id="search-form">
```

```
<input type="search" placeholder="search here..." name="" id="search-box">
<label for="search-box" class="fas fa-search"></label>
<i class="fas fa-times" id="close"></i>
</form>
<section class="home" id="home">

<div class="swiper-container home-slider">

<div class="swiper-wrapper wrapper">
```

```
<div class="swiper-slide slide">
<div class="content">
<span>Our Tiffin</span>
<h3>Breakfast</h3>
<p><b>2-Parathas,Curd / Poha-Dalia / Sabzi-Puri/ Cheela</b></p>
<a href="db.html" class="btn">order now</a>
</div>
<div class="image">
<img src="images/aalu puri.jpg" alt="image" height="350">
</div>
</div>

<div class="swiper-slide slide">
<div class="content">
<span>Our Tiffin</span>
<h3>Regular</h3>
<p><b>4 Roti , Dal , Sabzi , Salad </b></p>
<a href="db.html" class="btn">order now</a>
</div>
<div class="image">
<img src="images/regular-img.jpg" alt="image">
</div>
</div>
<div class="swiper-slide slide">
<div class="content">
<span>Our Tiffin</span>
<h3>Standard</h3>
<p><b>4 Roti , Dal , Panner , Rice , Salad , Sweet </b></p>
<a href="db.html" class="btn">order now</a>
</div>
<div class="image">
<img src="images/Standard.jpg" alt="image">
</div>
</div>
<div class="swiper-slide slide">
<div class="content">
<span>Our Tiffin</span>
<h3>Vrat Tiffin</h3>
<p><b><sup>*</sup> On Request</b></p>
<a href="db.html" class="btn">order now</a>
</div>
<div class="image">
<img src="images/vrat.jpg" alt="image">
</div>
</div>
</section>
<section class="about" id="about">
```

```
<h3 class="sub-heading"> about us </h3>
<h1 class="heading"> why choose us? </h1>

<div class="row">
```

```
<div class="image">
<img src="images/about.jpeg" alt="image">
</div>

<div class="content">
<h3>best tiffin in the city</h3>
<p>Freshly prepared meals</p>
<p>Daily variety</p>
<p>healthy & hygienic Food</p>
<p>Delivered Everyday</p>
<p>Delivery Notification</p>
<div class="icons-container">
<div class="icons">
<i class="fas fa-shipping-fast"></i>
<span>free delivery</span>
</div>
<div class="icons">
<i class="fas fa-dollar-sign"></i>
<span>easy payments</span>
</div>
</div>
<a href="#" class="btn">learn more</a>
</div>

</div>

</section>
<section class="review" id="review">

<h3 class="sub-heading"> customer's review </h3>
<h1 class="heading"> what they say </h1>

<div class="swiper-container review-slider">

<div class="swiper-wrapper">

<div class="swiper-slide slide">
<i class="fas fa-quote-right"></i>
<div class="user">
<img src="images/pic-1.jpg" alt="image">
<div class="user-info">
<h3>Anshul Yadav</h3>
<div class="stars">
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star-half-alt"></i>
```

```
</div>
</div>
</div>
              <p>Very very nice food 100% vegetarian list four quality maximum 25 and 30 delivery student is very famous best quality of food dal makhani shahi paneer
```

```
<div class="swiper-slide slide">
<i class="fas fa-quote-right"></i>
<div class="user">
<img src="images/pic-2.jpg" alt="image">
<div class="user-info">
<h3>Abhishek Mishra</h3>
<div class="stars">
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star-half-alt"></i>
</div>
</div>
</div>
              <p>Good quality of food,punctual and delivers
food on time ,their Tiffin tastes like it was prepared by my
mother.Lovely           taste           enjoying           it
 ..................................................... </p
>
</div>

<div class="swiper-slide slide">
<i class="fas fa-quote-right"></i>
<div class="user">
<img src="images/pic-3.jpg" alt="image">
<div class="user-info">
<h3>Achal Sharma</h3>
<div class="stars">
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star-half-alt"></i>
</div>
</div>
</div>
<p>It's a complete package....quantity,quality,taste and PRICE!
               Delivery timing is also good.u don't need to
cook once u get these "homely" meals to your taste
buds.......satisfaction for those who enjoy simple cozy and less
oily food!!   yummyyyyyyyyyy

</p>
</div>

<div class="swiper-slide slide">
<i class="fas fa-quote-right"></i>
```

```
<div class="user">
<img src="images/pic-4.jpg" alt="image">
<div class="user-info">
<h3>Ayush Tyagi</h3>
<div class="stars">
```

```
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star"></i>
<i class="fas fa-star-half-alt"></i>
</div>
</div>
</div>
              <p>Best in taste. Quantity and quality are also great. They have a wide variety of options on their menu. Different plans are also available which you can choose as per requirement</p>
</div>

</div>

</div>

</section>
<section class="order" id="order">
<!-- <a href="order.html">Order</a> -->

<h3 class="sub-heading"> order now </h3>
<h1 class="heading"> free and fast </h1>

<form>

<div
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>
<di
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">
<sp
an>
id<
/sp
an>
<input type="text" placeholder="id" id="id">
</div>
<div class="input">
<span>your name</span>
<input type="text" placeholder="enter your name" id="name">
```

```
</div>
<div class="input">
<span>your number</span>
<input type="number" placeholder="enter your number" id="number">
</div>
</div>
<div class="inputBox">
<div class="input">
<span>your order</span>
<input type="text" placeholder="enter tiffin name" id="tfname">
</div>
</div>
<div class="inputBox">
<div class="input">
<span>Quantity</span>
<input type="number" placeholder="No of tiffin" id="Qnumber">
</div>
</div>
<div class="inputBox">
```

```
<div class="input">
<span>your address</span>
              <textarea  name=""  placeholder="enter  your  address"
id="add" cols="30"rows="10"></textarea>
</div>
<a href="final.html" class="btn">order now</a>
</div>

<!-- <input type="submit" value="order now" class="btn"> -->

</form>

</section>
<section class="footer">

<div class="box-container">

<div class="box">
<h3>locations</h3>
<a href="#">RadheShyam Vihar</a>
<a href="#">Asalat Nagar</a>
<a href="#">Jalalpur</a>
<a href="#">Saraswati Vihar</a>
<a href="#">Defence Colony</a>
</div>

<div class="box">
<h3>quick links</h3>
<a href="#">Home</a>
<a href="#">About</a>
<a href="#">Why us</a>
<a href="#">Reivew</a>
<a href="db.html" class="btn">Order</a>
</div>

<div class="box">
<h3>contact info</h3>
<a href="#">+91 6395458916</a>
<a href="#">+91 8318556767</a>
<a href="#">apoorv@gmail.com</a>
<a href="#">ankit@gmail.com</a>
<a href="#">Ghaziabad, India - 201206</a>
</div>

<div class="box">
<h3>follow us</h3>
<a href="#">facebook</a>
<a href="#">whatsapp</a>
```

```
<a href="#">instagram</a>
</div>

</div>

  <div  class="credit">  copyright  @  2022  by  <span
style="color: rgb(0, 255,98);">AAAP</span> </div>

</section>
```

PHP

```
<?php
echo "Database";
$servername = "localhost";
$username = "root";
$password = "";
$conn = mysqli_connect($servername, $username, $password);
$sql  = "CREATE DATABASE DBANKIT";
if (!$conn){
die("sorry we failed to connect:". mysqli_connect_error());
}
else{
echo "connection successfull";
```

CHAPTER-8

Testing

Software Testing is a method to check whether the actual software product matches expected requirements and to ensure that software product is Defect free. It involves execution of software/system components using manual or automated tools to evaluate one or more properties of interest. The purpose of software testing is to identify errors, gaps or missing requirements in contrast to actual requirements.

Some prefer saying Software testing definition as a White Box and Black Box Testing.

In simple terms, Software Testing means the Verification of Application Under Test (AUT). This Software Testing course introduces testing software to the audience and justifies the importance of software testing.

8.1 Unit Testing

Unit testing is a method of testing individual units or components of a software application. It is typically done by developers and is used to ensure that the individual units of the software are working as intended. Unit tests are usually automated and are designed to test specific parts of the code, such as a particular function or method. Unit testing is done at the lowest level of the software development process, where individual units of code are tested in isolation.

The main advantages of unit testing include:

1. It helps to identify bugs early in the development process, before they become more difficultand expensive to fix.
2. It helps to ensure that changes to the code do not introduce new bugs.
3. It makes the code more modular and easier to understand and maintain.
4. It helps to improve the overall quality and reliability of the software.

8.2 Integration Testing

Integration testing is a method of testing how different units or components of a softwareapplication interact with each other. It is used to identify and resolve any issues that may arise when different units of the software are combined. Integration testing is typically done after unit testing and before functional testing, and is used to verify that the different units of the software work together as intended.

Integration testing can be performed in different ways, such as:

1. Top-down integration testing: It starts with the highest level modules and integrates themwith lower-level modules.
2. Bottom-up integration testing: It starts with the lowest-level modules and integrates themwith higher-level modules.
3. Big-Bang integration testing: It combines all the modules and integrates them all at once.
4. Incremental integration testing: It integrates the modules in small groups, testing each groupas it is added.

8.3 System Testing

This software is tested such that it works fine for the different operating systems. It is covered under the black box testing technique. In this, we just focus on the required input and output without focusing on internal working.

In this, we have security testing, recovery testing, stress testing, and performance testing

8.4 Regression Testing

Regression testing is a method of testing that is used to ensure that changes made to the software do not introduce new bugs or cause existing functionality to break. It is typically done after changes have been made to the code, such as bug fixes or new features, and is used to verify that the software still works as intended.

Regression testing can be performed in different ways, such as:

1 . Retesting: This involves testing the entire application or specific functionality that was affected bythe changes.
2 . Re–execution: This involves running a previously executed test suite to ensure that the changes didnot break any existing functionality.
3 . Comparison: This involves comparing the current version of the software with a previous version to ensure that the changes did not break any existing functionality.

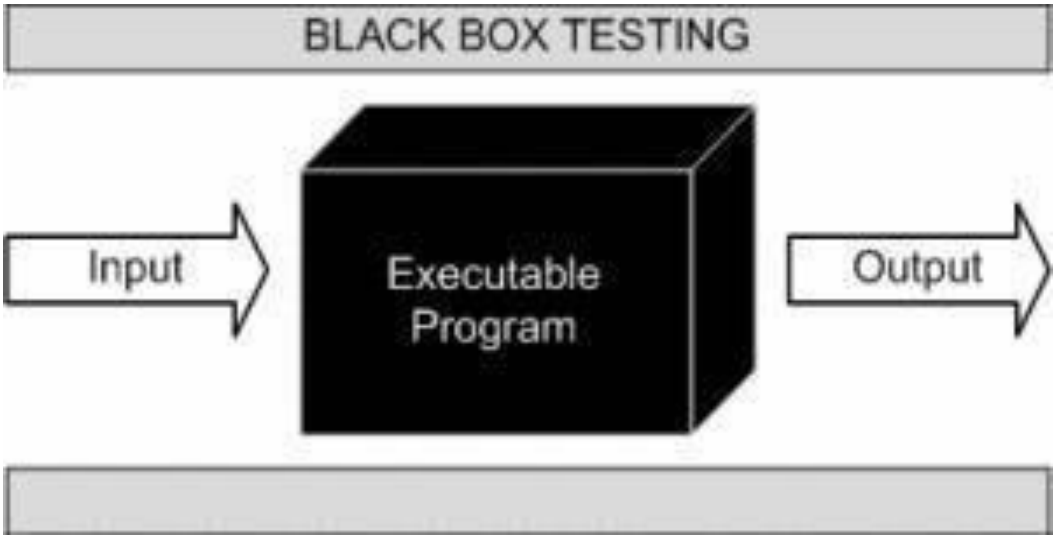
8.5 Test Case – 1

Black-Box Testing

Black Box Testing, also known as Behavioural Testing, is a software testing method in which the internal structure/ design/ implementation of the item being tested is not known to the tester. These tests can be functional or non-functional, though usually functional.

This can be following way:

- Input interfacing
- Processing
- Output interfacing



This method is named so because the software program, in the eyes of the tester, is like a blackbox; inside which one cannot see. This method attempts to find errors in the following categories:

- Incorrect or missing functions
- Interface errors
- Errors in data structures or external database access
- Behaviour or performance errors
- Initialization and termination errors.

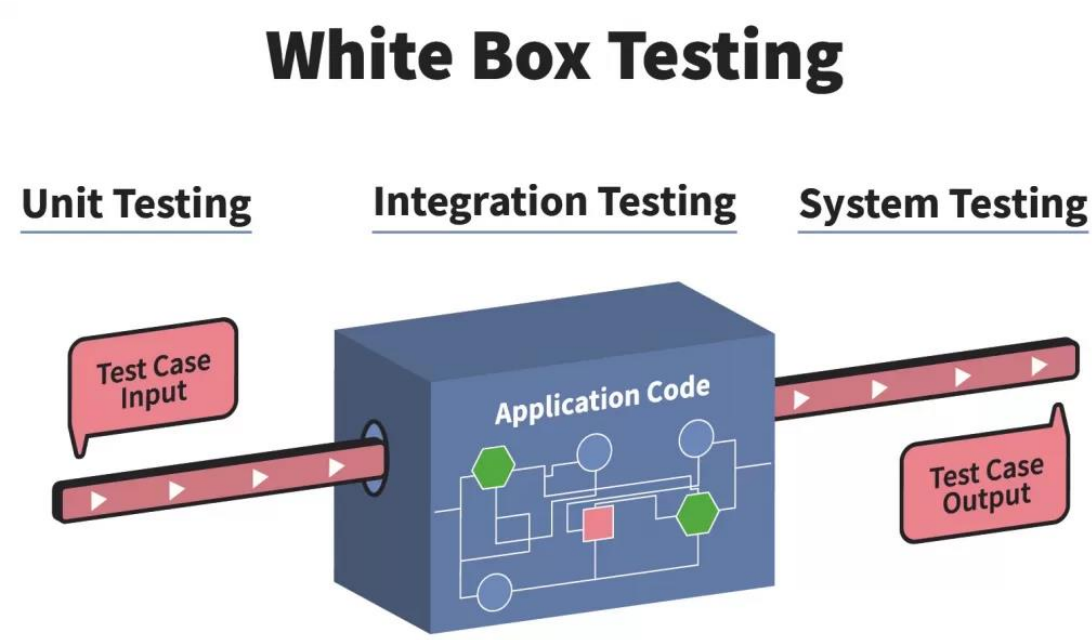
8.6 Test Case – 2

White-Box Testing

White Box Testing ,also known as Clear Box Testing, Open Box Testing, Glass Box Testing, Transparent Box Testing, Code-Based Testing or Structural Testing is a software testing method in which the internal structure/ design/ implementation of the item being tested is known to the tester.

The tester chooses inputs to exercise paths through the code and determines the appropriate outputs. Programming know-how and the implementation knowledge is essential.

White box testing is testing beyond the user interface and into the nitty-gritty of a system. This method is named so because the software program, in the eyes of the tester, is like a white/transparent box; inside which one clearly sees.



Chapter - 9

Conclusion

The Online Tiffin Service has been computed successfully and was also tested successfullyby taking "Test Cases". It is user friendly, and hasrequired options, which can be utilized bythe user to perform the desired operations.

The Software is developed using HTML, CSS, JS as front end and PHP, MySqlas back end inwindows environment.

The goals that are achieved by the software are:

- Simplification of the operations
- Less processing time and getting required information
- User friendly
- Portable and flexible for further enhancement

CHAPTER 10

FUTURE SCOPE

In a nutshell, it can be summarized that the future scope of the project circles aroundmaintaininginformation regarding:

- We can add Printer in future
- We can give more advance software for Online Food Ordering Systemincluding morefacilities
- We will host the platform on online servers to make it accessible worldwide
- Integrate multiple load balancers to distribute the loads of the system
- Create the master and slave database structure to reduce the overload of thedatabasequeries
- Implement the backup mechanism for taking backup of codebase and database onregularon different servers

The above-mentioned points are the enhancements which can be done to increase the applicability and usage of this project. Here we can maintain the records of Food Item and Category. Also, as it can be seen that now-a-days the players are versatile, i.e. so thereis a scope for introducing a method to maintain the Online Food Ordering System.Enhancements can be done to maintain all the Food Item, Category, Customer, Order, Confirm Order.

We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them. In the last we would like to thanks all the persons involved in the development of the system directly or indirectly. We hope that the project will serve its purpose for which it is develop there by underlining success of process.

CHAPTER 11

LIMITATION OF PROJECT

Although I have put my best efforts to make the software flexible, easy to operate but limitations cannot be ruled out even by me. Though the software presents a broad rangeof optionsto its users some intricate options could not be covered into it, partly because of logistic and partly due to lack of sophistication. Paucity of time was also major constraint; hence it was not possible to make the software fool proof and dynamic. Lack of time also compelled me to ignore some part such as storing old result of the candidate etc.

Considerable efforts have made the software easy to operate even for the people not related to the field of computers but it is acknowledged that a layman mayfind it a bit problematic at the first instance. The user is provided help at each step forhis convenience inworking with the software.

List of limitations which is available in the Online Food OrderingSystem:

- Excel export has not been developed for Food Item Category due to some criticality.
- The transactions are executed in off-line mode, hence on-line data for Customer,Ordercapture and modification is not possible.
- Off-line reports of Food Item, Confirm Order, Customer cannot be generated due tobatchmode execution.

CHAPTER 12

LITERARY REVIEW

The following research journals from AKTU Nalanda E-Consortium were used as references forcompleting this project:

1. Advances in Engineering Software: https://www.sciencedirect.com/journal/advances-in-engineering-software
2. International Journal on Software Tools for Technology Transfer: https://www.springer.com/journal/10009
3. Optimization Methods and Software: https://www.tandfonline.com/journals/goms20
4. Software Quality Journal: https://www.springer.com/journal/11219/
5. Journal of Web Semantics: https://www.sciencedirect.com/journal/journal-of-web-semantics
6. Start Programming Using HTML, CSS, and JavaScript: https://www.taylorfrancis.com/books/mono/10.1201/b19402/start-programming-using- html-css-javascript-iztok-fajfar
7. HTML5 Mobile Websites: https://www.taylorfrancis.com/books/mono/10.4324/9780240818146/html5-mobile- websites-matthew-david
8. Managing Web Projects: https://www.taylorfrancis.com/books/mono/10.1201/9781439804964/managing-web- projects-edward-farkas
9. Web Programming for Business: https://www.taylorfrancis.com/books/mono/10.4324/9780203582084/web-programming- business-david-paper
10. Web Technology:

https://www.taylorfrancis.com/books/mono/10.1201/9781351029902/web-technology- akshi-kumar

11. Web Security: https://www.taylorfrancis.com/books/mono/10.1201/b18327/web-security- hanqing-wu-liz-zhao

12. E-Commerce Usability: https://www.taylorfrancis.com/books/mono/10.1201/9780203245910/commerce-usability- david-travis

13. Innovations in E-Systems for Business and Commerce: https://www.taylorfrancis.com/books/edit/10.1201/9781315207353/innovations-systems- business-commerce-abdelkhalak-el-hami-seifedine-kadry

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15. NoSQL Database for Storage and Retrieval of Data in Cloud: https://www.taylorfrancis.com/books/edit/10.1201/9781315155579/nosql- ganesh-chandra-deka

CHAPTER 13

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- https://www.javatpoint.com
- https://www.sqlite.org/index.html
- https://www.w3school.com
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- https://www.geeksforgeeks.com
- https://www.studocu.com